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Introduction - English

The purpose of this Master Parts Manual is to give a record of the parts used on Lister-Petter LPW/LPWT/LPWS engines together with alterations and modifications that have been effected.

Main bearings and big end bearings are available undersize and pistons and rings are available oversize. Piston rings are only supplied as a complete set and pistons are supplied complete with rings, gudgeon pin and circlips.

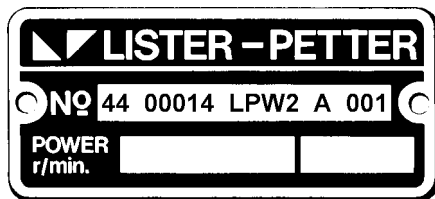
Due to continued development and improvement it is quite possible that a part purchased may not completely resemble that illustrated. Not all items are illustrated and if an item is listed without a part number it is only available as part of an assembly. Although a part number may be shown, the item may not be available on its own but as an assembly. Items that are shown indented under an entry are included in, and form part of an assembly.

To help the user identify parts, most lists have an illustration with the individual parts given the same item number reference as appears in the list. Care should be taken to ensure the correct illustration is being referred to.

Replacement parts should be ordered by quoting the Part Number, not the illustration item number, and the engine serial number.

Each engine has a unique serial number which is stamped on a plate attached to the air cowling. It is necessary for this serial number to be identified before using this manual to ensure the part being requested is correct for the particular engine. Where the Build Number is preceded by a 9 this indicates that the engine is either of a non-standard configuration, or contains non-standard parts or accessories.

Engine Serial Number



Serial Number Code

44 Year of manufacture code
00014 Consecutive number of engine
LPW2 Model
A Anti-clockwise rotation
001 Build

CAUTION

Parts that have not been approved for use on LPW/LPWT/LPWS engines cannot be relied upon for correct material, dimensions or finish.

Introduction - Français

Ce Manuel des pièces constitue un dossier présentant les pièces utilisées sur les moteurs LPW/LPWT/LPWS Lister-Petter ainsi que les changements et modifications qui ont été effectués.

Les paliers et les coussinets de bielle sont disponibles minorés et les pistons et les segments sont disponibles majorés. Les segments de piston ne sont fournis que sous forme de jeu complet et les pistons sont fournis dotés de segments, d'axe et de circlips.

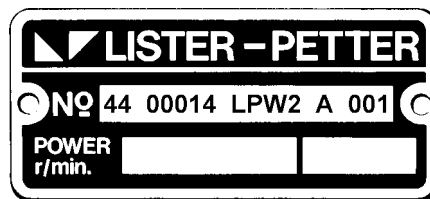
En raison d'une politique de développement et d'amélioration permanents, il est tout à fait possible qu'une pièce achetée puisse ne pas entièrement ressembler à celle illustrée. Ce ne sont pas tous les articles qui sont illustrés et, si un article est listé sans numéro, il n'est disponible que comme partie d'un ensemble. Bien qu'un numéro puisse être indiqué, l'article peut ne pas être disponible tout seul, mais sous forme d'ensemble. Les articles qui sont mis en retrait sous une entrée sont inclus dans un ensemble et font partie de ce dernier.

Afin d'aider l'utilisateur à identifier les pièces, la plupart des listes comportent une illustration, les pièces individuelles étant affectées de la même référence que celle figurant sur la liste. Il faut veiller à se référer à la bonne illustration.

Les pièces de rechange devraient être commandées en indiquant le numéro de la pièce, et non le numéro de l'illustration, et le numéro d'ordre du moteur.

Chaque moteur comporte un numéro d'ordre unique qui est gravé sur une plaque attachée au capot. Il est nécessaire de vérifier ce numéro d'ordre avant d'utiliser ce manuel pour veiller à ce que la pièce demandée soit correcte pour le moteur particulier. Lorsque le numéro de construction est précédé d'un 9, cela indique que le moteur est d'une configuration non standard, ou contient des pièces ou accessoires non standards.

Plaque de numéro d'ordre



Code de numéro d'ordre

44 Code de l'année de fabrication
00014 Numéro consécutif du moteur
LPW2 Modèle
A Sens antihoraire
001 Modèle du moteur

ATTENTION

On ne peut pas se fier aux matériaux, dimensions ou fini des pièces qui ne sont pas homologuées pour utilisation sur les moteurs LPW/LPWT/LPWS.

Einleitung - Deutsch

In diesem Teilehauptbuch sollen die bei Lister-Petter Motoren LPW/LPWT/LPWS zur Anwendung kommenden Teile sowie die daran vorgenommenen Änderungen und Modifikationen aufgeführt werden.

Hauptlager und Pleuelfußlager können mit Untermaß geliefert werden, Kolben und Kolbenringe mit Übermaß. Kolbenringe werden nur satzweise geliefert, Kolben komplett mit Ringen, Kolbenbolzen und Sicherungsringen.

Angesichts fortgesetzter Weiterentwicklungen und Verbesserungen kann es vorkommen, daß ein gekauftes Teil nicht immer ganz dem abgebildeten gleicht.

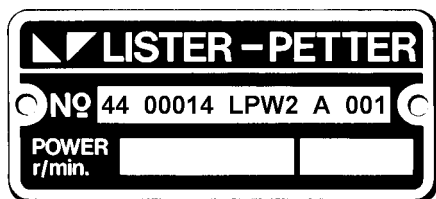
Nicht alle Teile sind abgebildet, und wenn ein Teil ohne Teilnummer aufgeführt wird, wird es nur als Teil einer Baugruppe geliefert. Auch wenn eine Teilnummer angegeben ist, kann das betreffende Teil ggf. nicht allein, sondern nur als Baugruppe gekauft werden. Eingerückte Teile unter einer Eintragung gehören zu und bilden einen Teil einer Baugruppe.

Um dem Benutzer die Identifizierung von Teilen zu erleichtern, kommen die meisten Listen mit Abbildung, und die Einzelteile haben die gleiche Kennnummer wie in der Liste. Es ist daher darauf zu achten, daß immer auf das richtige Bild verwiesen wird.

Bei der Bestellung von Ersatzteilen ist nicht die Kennnummer der Abbildung, sondern die Teilnummer und die Seriennummer des Motors anzugeben.

Jeder Motor hat seine eigene Seriennummer, die auf einem Schild an der Luftkanalverkleidung eingestanzt ist. Diese Seriennummer ist vor Benutzung dieses Buches zu ermitteln, um sicherzustellen, daß das richtige Teil für den betreffenden Motor bestellt wird. Wenn der Bauartnummer eine 9 vorausgeht, ist der Motor entweder eine Sonderkonfiguration, oder er enthält nicht serienmäßige Teile und Zubehör.

Motorseriennummer



Seriennummerncode

44 Baujahr
00014 Seriennummer
LPW2 Typ
A Linksdrehung
001 Bauart

⚠ VORSICHT

Wenn Sie Teile bestellen, die nicht für Motoren LPW/LPWT/LPWS zugelassen sind, können Sie sich nicht auf die richtigen Werkstoffe, Abmessungen und Ausführung verlassen.

Introduccion - Español

El objeto de este Manual de Piezas Prototipo es dar una descripción de las piezas usadas en los motores de Lister-Petter LPW/LPWT/LPWS, junto a las modificaciones y alteraciones que se hayan efectuado.

Los cojinetes principales y los cojinetes de biela están disponibles en tamaños reducidos y los pistones y los aros de pistón en tamaños ampliados. Los aros de se suministran exclusivamente como juegos completos y los pistones se proporcionan completos con muñequillas y fiadores de perno.

Debido al continuo desarrollo y perfeccionamiento es muy posible que se adquiera alguna pieza que no asemejara totalmente a la ilustrada.

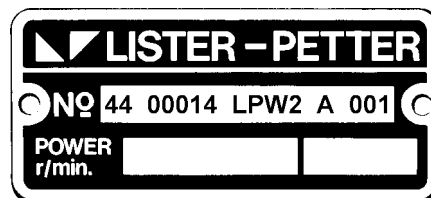
No todos los artículos tienen ilustración y si alguno figurara en lista y no tuviera número de pieza, es por que sólo está disponible como parte de una unidad completa. Aunque figurara el número de pieza, pudiera ser también que no estuviera disponible solo, sino como parte de una unidad completa. Los artículos que figuran sangrados debajo de una entrada están incluidos y forman parte de una unidad completa.

Con objeto de ayudar al usuario a identificar las piezas, la mayoría de las listas tienen una ilustración en la que las piezas individuales tienen el mismo número de referencia de artículo que el que aparece en la lista.

Para ordenar piezas de repuesto deberá citarse el Número de Pieza, no el número del artículo en la ilustración, y el Número de Serie del Motor.

Cada motor tiene un número de serie único, que lleva grabado en una placa fijada a la cubierta del aire. Resulta necesario comprobar el número de serie antes de hacer uso de este manual para asegurarse de que la pieza requerida es la adecuada para el motor del que se trate en particular. En los casos en los que el Número de Construcción vaya precedido de un 9, esto indica bien que el motor no es de configuración prototipo o bien que contiene piezas o accesorios que no lo son.

Placa de Número Serial



Código de Número de Serial

44 Año
00014 Número consecutivo de motor
LPW2 Modelo
A Rotación antihorario
001 Construcción de Motor

⚠ PRECAUCION

No se puede tener confianza en que las piezas que no hayan sido aprobadas para usarse en LPW/LPWT/LPWS sean del material correcto o tengan las dimensiones o acabado apropiados.

Introduzione - Italiano

Lo scopo di questo Manuale dei Pezzi Principali è quello di dare una documentazione dei pezzi usati sui motori Lister-Petter LPW/LPWT/LPWS, assieme alle variazioni e modifiche che sono state effettuate.

I cuscinetti principali e i cuscinetti di biella sono disponibili minorati, mentre i pistoni e gli anelli sono disponibili maggiorati. Gli anelli dei pistoni sono forniti solo come gruppo completo e i pistoni sono completi di anelli, spinotto e anelli elastici di arresto.

A causa della linea di continuo sviluppo e perfezionamento, è possibile che un pezzo acquistato non sia esattamente come quello illustrato.

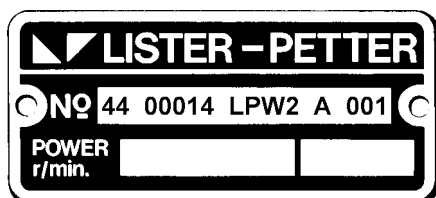
Non tutti gli articoli sono illustrati e se un articolo è elencato senza un numero categorico, è disponibile solo come parte di un complessivo. Anche quando un numero categorico è indicato, l'articolo non è necessariamente disponibile da solo, ma come complessivo. Gli articoli che sono indicati rientrati sotto un titolo sono inclusi in un complessivo e ne fanno parte.

Per aiutare l'utente ad identificare i pezzi, la maggior parte degli elenchi ha un'illustrazione con i pezzi individuali ai quali viene dato lo stesso numero di riferimento del pezzo che appare sull'elenco. Si dovrà fare attenzione di consultare l'illustrazione corretta.

I pezzi di sostituzione dovranno essere ordinati citando il numero categorico, non il numero d'articolo dell'illustrazione, e il numero di serie del motore.

Ciascun motore ha un numero di serie individuale che è stampato su una piastra attaccata alla cappottatura dell'aria. E' necessario identificare questo numero di serie prima di usare questo manuale per accertarsi che il pezzo richiesto sia corretto per il particolare motore. Quando il numero di costruzione è preceduto da un 9, ciò indica che il motore o presenta una configurazione non standard, o contiene pezzi o accessori non standard.

Numero di serie del motore



Seriennummerncode

44 Codice anno di fabbricazione

00014 Numero consecutivo di motore

LPW2 Modello

A Rotazione in senso antiorario

001 Costruzione del motore

⚠ ATTENZIONE

I pezzi il cui uso non è stato approvato per i motori LPW/LPWT/LPWS non sono affidabili quanto a materiale, dimensioni o finitura.

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Accessory Kits

Some accessory kits are not compatible with others or suitable for all engine builds.

In some instances more than one accessory kit code is included in the listings on a page. In these cases care must be taken to check the details given in 'Description of Accessory Kit' to help identify the kit items needed, as more items than are actually required in a specific accessory kit may be listed.

Adaptors - Industrial

Code	Description of Accessory Kit	Kit Part Number	Page
CB	SAE5 flywheel housing spacer ring	750-10481	95
CC	SAE5 long bellhousing - builds 37 & 38	750-14740	96
CD	Multi-purpose housing adaptor - pilot bored	750-10771	95
CE	SAE4 short bellhousing	750-42380	96
CF	SAE4 long bellhousing	750-42440	96
CY	6.5" disc drive face adaptor - flywheel - LPW/S2,3,4	750-10441	96
CZ	7.5" disc drive face adaptor - flywheel	750-11051	96

Air Cleaners - Industrial

Code	Description of Accessory Kit	Kit Part Number	Page
AA	Light duty dry type - LPW/S2, LPW/S3 up to 1800 r/min	570-33740	82
AB	Light duty dry type - LPW/S3 above 3000 r/min, LPW/S4	570-31381	82
AC	5.25" heavy duty cyclonic - LPW/S2,3,4	750-10570	83
AD	6.5" heavy duty cyclonic - LPW/S3,4	750-13110	86
AE	5.25" heavy duty cyclonic - remote - LPW/S2,3,4	750-10600	83
AF	6.5" heavy duty cyclonic - LPW/S3,4	750-10630	86
	6.5" heavy duty cyclonic - LPWT4	750-42570	86
AG	5.25" heavy duty cyclonic - LPW/S2,3	750-13600	84
	5.25" heavy duty cyclonic - LPWT4	750-42480	87
AH	6.5" heavy duty cyclonic - top mounted - LPWT4	750-42350	90
AJ	6.5" heavy duty cyclonic - side mounted - LPWT4	750-42340	88
AK	5.25" heavy duty cyclonic - top mounted - LPWT4	750-42470	89
AL	6.5" heavy duty cyclonic - top mounted	750-15290	90
AM	6.5" heavy duty cyclonic - side mounted - LPWT4	750-43300	87
AO	5.25" heavy duty cyclonic	750-15140	84
AP	6.5" heavy duty cyclonic	750-13640	86
AQ	6.5" heavy duty cyclonic - top mounted	750-15800	85
AR	Air inlet hose bend	750-15880	83
AS	6.5" air cleaner - safety element kit	750-43760	86

Air Cleaners - Marine

Code	Description of Accessory Kit	Kit Part Number	Page
MAA	Medium duty - foam element - LPW/S2, LPW/S3 up to 1800 r/min	750-62350	91
MAB	Medium duty - foam element:		
	- LPW/S3 above 1801 r/min, LPW/S4	570-31391	91
	- LPWT4	750-63560	91

Controls - Industrial

Code	Description of Accessory Kit	Kit Part Number	Page
KA	Variable speed control - 2m cable	750-10331	166
KC	Variable speed control - engine mounted	750-10320	166
KD	Remote stop - cable operated	750-10852	168
KE	Remote stop fittings	750-10861	168
KF	Mechanical two speed control	750-11291	169
KG	Extension bracket for speed control	750-10340	166

Controls - Marine

Code	Description of Accessory Kit	Kit Part Number	Page
MKA	Variable speed control - 2m cable	750-60070	170
MKB	Variable speed control - 3m cable	750-60040	170
MKC	Variable speed control - 4m cable	750-60050	170
MKD	Variable speed control - 5m cable	750-60060	170
MKE	Stop control - 3m cable	750-60030	170
MKF	Control head - motor boat	750-60020	170
MKG	Control head - sail boat	750-60080	170
MKH	Engine Fittings for Control Cable and Fuel Control Solenoid	750-62200	172
MKI	Engine Fittings for Control Cable only	750-62380	172

Cooling - Industrial

Code	Description of Accessory Kit	Kit Part Number	Page
DC	Multi V belt and 44.5 diameter alternator pulley	750-15700	97
DD	Jockey pulley	750-11001	97
DE	Cab heater connection - LPW/S4, LPWT4	750-40800	100
DF	Twin belt drive	750-41860	98
RA	Radiator Mounting Bracket	750-40252	216
RB	Mounted radiator - 3 row small - LPW/S2,3,4	750-40141	204
RC	Mounted radiator - 3 row large - LPW/S2,3,4	750-40691	204
RD	Mounted radiator - 3 row extra large - LPW/S2,3,4	750-40671	204
RE	Mounted radiator and 5 blade puller fan	750-40963	206
RF	Mounted radiator and 5 blade pusher fan	750-40923	206
RG	Mounted radiator and 10 blade pusher fan	750-40983	206
RH	Radiator fan - 250mm 5 blade pusher fan - LPW/S2,3,4	750-40160	217
RI	Radiator fan - 250mm 5 blade puller fan - LPW/S2,3,4	750-40170	217
RJ	Radiator fan - 315mm 5 blade pusher fan - LPW/S2,3,4	750-40180	217
RK	Radiator fan - 315mm 5 blade puller fan - LPW/S2,3,4	750-41090	217
RL	Remote radiator - 3 row small - LPW/S2,3,4	750-40231	216
RM	Remote radiator - 3 row large - LPW/S2,3,4	750-40701	216
RN	Remote radiator - 3 row extra large - LPW/S2,3,4	750-40681	216
RO	Mounted radiator - 2 row large 5 blade 315mm pusher fan - LPW/S2,3,4	750-13230	206
RP	Mounted radiator - 2 row extra large 5 blade 380mm pusher fan - LPW/S2,3,4	750-13210	206
RQ	Low level cross flow radiator kit - LPW/S2,3,4	750-41630	210
RR	Crossflow radiator, fan and guard - LPW/S2,3,4	750-41760	212
RT	Super Large Radiator with 5 blade pusher fan - LPWT4	750-42371	208
RU	Crossflow radiator and fan (puller) - LPWT4	750-42390	214
RV	Crossflow radiator and fan (pusher) - LPWT4	750-42620	214
RW	Extra large remote radiator - LPWT4	750-42840	216
RX	5 Blade puller fan	750-41460	217
RY	Special radiator	750-13650	204
RZ	Extra large remote radiator	750-42830	216
UA	Fan nut	750-40540	217

Cooling - Marine

Code	Description of Accessory Kit	Kit Part Number	Page
MDA	Heat exchanger - for Hurth gearbox:		
	- LPW/S2	750-62560	106
	- LPW/S3	750-62570	106
	- LPW/S4	750-62580	108
	- LPWT4	750-63570	108
MDB	Heat exchanger - for PRM Delta gearbox:		
	- LPW/S2	750-62600	114
	- LPW/S3	750-62610	114
	- LPW4	750-62621	116
	- LPWS4	750-62620	116
	- LPWT4	750-63571	116
MDC	Water inlet	750-61680	100
MDD	Water outlet - LPW/S2,3,4	750-60130	100
	Water outlet - LPWT4	750-63690	100
MDF	Keel cooling - Hurth gearbox:		
	- LPW/S2	750-62520	122
	- LPW/S3	750-62530	122
	- LPW/S4	750-62540	122
MDG	Keel cooling - PRM Delta gearbox:		
	- LPW/S2	750-62160	124
	- LPW/S3	750-62240	124
	- LPW/S4	750-62250	124
MDH	Keel cooling - PRM 160 gearbox:		
	- LPW/S3,4	750-63190	126
	- LPWT4	750-63760	128
MDM	Calorifier feed connection:		
	- LPW/S2,3,4	750-62700	130
	- LPWT4 (for engines with Heat Exchange systems)	750-63700	131
MDN	Calorifier feed connection - LPWT4 (for engines with Keel Cooled systems)	750-63701	131

Drives - Industrial

Code	Description of Accessory Kit	Kit Part Number	Page
	Flywheel End		
BA	Extension shaft - 40mm diameter	750-10640	92
BB	Extension shaft - part machined	750-10760	92
BC	Flexible half coupling - less taper lock bush	750-10790	93
BD	Flexible half coupling - solid boss	750-10800	93
BE	Extension shaft - 40mm diameter x 105mm	750-13360	92
BF	Flywheel - build 37 - LPW/S2,3,4	750-14720	80
	SAE 7 ¹ / ₂ " Flywheel - LPWT4	750-43260	80
BG	Automotive clutch fittings	750-10840	94
BH	Flywheel - build 38 - LPW/S2,3,4	750-14730	80
BJ	SAE 6 ¹ / ₂ " flywheel - LPW/S2,3,4	750-15020	80
	SAE 6 ¹ / ₂ " flywheel - LPWT4	750-43250	80
BK	SAE 8" flywheel - LPW/S2,3,4	750-15720	80
BL	SAE 7 ¹ / ₂ " flywheel with flywheel fan tappings - LPW/S2,3,4	750-15170	80
BM	SAE 9" flywheel - LPW/S2,3,4	750-15660	80
	Gear end		
BN	Tapered crankshaft extension - flywheel end	750-15670	92
BZ	Extension Shaft - 30mm diameter (12kW inline, 8kW radial)	750-10650	92

Exhaust - Industrial

Code	Description of Accessory Kit	Kit Part Number	Page
NA	Acoustic silencer - side mounted:		
	- LPW/S2	750-10253	182
	- LPW/S3	750-10873	182
	- LPW/S4	750-12170	184
	- LPWT4	750-42490	186
NB	Top Mounted Exhaust Silencer - LPWT4	750-42450	186
NC	Acoustic silencer - remote mounted:		
	- LPW/S2,3	750-11601	182
	- LPW/S4	750-11601	184
	- LPWT4	750-11601	186
ND	Exhaust joints	750-15690	183
NE	Exhaust flange - 1.25" BSP	750-10920	189
NF	Exhaust flange - 1.5" BSP	750-10930	189
NG	Steel exhaust flange - for non BSP connections	750-11100	189
NH	90° silencer tailpipe and clamp:		
	- LPW/S2,3,4	750-10271	190
	- LPWT4	750-42560	190
NI	135° silencer tailpipe and clamp - LPW/S2,3,4	750-10981	190
NJ	90° manifold adaptor - vertical or horizontal - LPW/S2,3,4	750-10950	189
NK	Exhaust gasket and fittings for manifold outlet	750-10940	189
NL	Silencer heat baffle - LPW/S2,3	750-11910	183
NM	Flexible Exhaust - LPW/S2,3,4	750-14750	191
NN	Top Mounted Exhaust Silencer - LPW/S2,3	750-14550	182
NO	Top mounted silencer and clamp	750-14670	185
NP	Exhaust fittings	750-15740	183
NQ	Top mounted silencer and clamp	750-15790	185
NR	Exhaust flange joint	750-15850	189
NS	Exhaust fittings	750-43690	183

Exhaust - Marine

Code	Description of Accessory Kit	Kit Part Number	Page
MNB	Dry exhaust flexible bellows	750-60180	187
MNC	Dry exhaust silencer	750-60280	187
MND	Dry exhaust skin fittings	750-60190	192
MNE	Dry exhaust flange - LPW/S2,3,4	750-60830	194
	Dry exhaust flange - LPWT4	750-63830	194
MNG	Wet exhaust pipe:		
	- LPW/S2,3	750-60210	192
	- LPW/S4 & LPWT4	750-61140	192
MNH	Wet exhaust silencer:		
	- LPW/S2,3	750-60220	188
	- LPW/S4 & LPWT4	750-61150	188

Exhaust - Marine, Contd.

MNI	Wet exhaust skin fittings:		
	- LPW/S2,3	750-60230	192
	- LPW/S4	750-61160	192
MNJ	Wet exhaust skin rubber	750-60240	192
MNK	Heat exchanger injection bend:		
	- LPW/S2,3	750-60250	194
	- LPW/S4	750-61170	194
	- LPWT4	750-63580	194

Fuel Equipment - Industrial

Code	Description of Accessory Kit	Kit Part Number	Page
FB	Fuel tank - 12 litre - LPW/S2,3	750-11162	140
FC	Fuel leak off hose	750-15680	139
FD	Agglomerator spacers	750-15710	139
FE	Fuel leak off hose	750-15820	139
FG	Fuel leak off hose	750-15860	139

Fuel Equipment - Marine

Code	Description of Accessory Kit	Kit Part Number	Page
MFA	Fuel tank - 45,5 litre	750-60260	141
MFB	Fuel tank - 113,5 litre	750-60290	141
MFC	Flexible fuel connections	750-63360	141
MFD	Fuel supply and leak-off pipes	750-60270	141
MFG	Remote Fuel Agglomerator Fittings - LPWT4	750-63710	55

Gauges and Senders - Industrial

Code	Description of Accessory Kit	Kit Part Number	Page
PA	Oil pressure gauge	750-10351	196
PB	Engine temperature gauge	750-10361	196
PC	Voltmeter	750-10371	196
PD	Running hour recorder - 12V	750-10381	196
PG	Tachometer	750-10391	196
PH	Oil pressure sender	750-10401	196
PI	Engine temperature sender	750-40101	197

Gauges and Senders - Marine

MJM	Oil pressure sender - marine	750-63130	165
MJN	Engine temperature sender - marine	750-63140	165

Gearboxes - Marine

Code	Description of Accessory Kit	Kit Part Number	Page
MVA	Hurth gearbox (HBW50) - 2.05:1 - LPW/S2	750-60450	220
MVB	Hurth Gearbox (HBW100) - 1.79:1 - LPW/S2	750-60470	220
MVC	Hurth Gearbox (HBW125) - 2.14:1 - LPW/S2,3,4	750-60990	220
MVD	Hurth Gearbox (HBW140) - 1.88:1		
	- LPW/S3,4	750-62000	220
	- LPWT4	750-63680	221
MVE	Hurth Gearbox (HBW100) - 2.72:1 - LPW/S2	750-60460	220
MVF	Hurth Gearbox (HBW125) - 2.63:1 - LPW/S2,3,4	750-61250	220
MVG	Newage gearbox (PRM Delta) - 2.09:1	750-63002	228
MVH	Newage gearbox (PRM Delta) - 2.82:1	750-63003	228
MVK	Newage gearbox (PRM260) - 1.96:1 - LPW/S3,4	750-61260	229
	Newage gearbox (PRM260) - 1.96:1 - LPWT4	750-63321	229
MVL	Newage gearbox (PRM260) - 2.94:1 - LPW/S3,4	750-60970	229
	Newage gearbox (PRM260) - 2.94:1 - LPWT4	750-63221	229
MVJ	Hurth gearbox, adaptor and drive member (HBW150) - 2:1 - LPWT4	750-63681	221
MVN	Hurth gearbox, adaptor and drive member (HBW250) - 1.88:1 - LPWT4	750-63670	221
MVO	Hurth gearbox, adaptor and drive member (HBW250) - 2.74:1 - LPWT4	750-63770	221
MVP	Hurth HBW150 adaptor and drive member:		
	- LPW/S2,3,4	750-60410	218
	- LPWT4	750-63781	221
MVS	Hurth HBW250 adaptor kit - LPWT4	750-63782	221
MVQ	Newage Delta adaptor and drive member	750-63022	218
MVR	Newage PRM260 adaptor and drive member - LPW/S2,3,4	750-60980	218
MXV	Saildrive unit	750-63181	230

Guards and Lagging - Industrial

Code	Description of Accessory Kit	Kit Part Number	Page
GC	Fire pump large belt guard	750-41830	142
GD	Silencer heat shield:		
	- LPW/S2	750-10260	143
	- LPW/S3	750-10880	143
	- LPW/S4	750-12180	143
GE	Fan drive guard	750-40710	144
GF	Fan drive guard	750-40720	144
GG	Fan drive guard	750-41050	144
GH	Fan drive guard	750-42190	144
GJ	Fan drive guard	750-42170	144
GK	Fan drive guard	750-42150	144
GL	Crossflow radiator and fan guard - LPWT4	750-42630	144
GQ	Lagging for Manifold only:		
	- LPW/S2	750-14560	146
	- LPW/S3	750-14590	146
	- LPW/S4	750-42120	146
	- LPWT4	750-42650	146
GR	Lagging for manifold and silencer code NA:		
	- LPW/S2	750-14570	146
	- LPW/S3	750-14600	146
	- LPW/S4	750-42130	146
GW	Lagging for manifold, silencer code NA and outlet pipe code NH:		
	- LPW/S2	750-14580	146
	- LPW/S3	750-14610	146
	- LPW/S4	750-42140	146
GN	Lagging for manifold, side mounted silencer and turbocharger - LPWT4	750-42670	147
GP	Lagging for manifold, top mounted silencer and turbocharger - LPWT4	750-42680	147
GS	Turbocharger lagging - LPWT4	750-42660	147

Hydraulic Provision - Industrial

Code	Description of Accessory Kit	Kit Part Number	Page
	Flywheel End		
HA	Pilot bored	750-10701	148
HB	SAE A - 2 bolt; adaptor only	750-13810	150
HD	Group 2 - 4 bolt 1:8 taper shaft	750-10711	149
HF	SAE B - 2 bolt; splined shaft (13T 16/32 DP)	750-10721	150
HG	SAE A - 2 bolt; splined shaft (9T 16/32 DP)	750-12381	150
HH	SAE B - 2 bolt; splined shaft (11T 16/32 DP)	750-12801	150
HI	SAE B - 2 bolt; splined shaft (15T 16/32 DP)	750-12511	150
HK	SAE B - 2 bolt; splined shaft (11T 16/32 DP)	750-13061	150
HL	SAE A - 2 bolt; splined shaft (11T 16/32 DP)	750-14700	150
	Gear End Crankshaft Position - 12kW continuous		
HX	Group 2 - 4 bolt 1:8 taper shaft Dowty IP3000	750-10742	153
HY	SAE A - 2 bolt parallel shaft	750-10752	154
	Gear End Auxiliary Position - 5kW maximum		
HW	Group 1 - 4 bolt 1:8 taper shaft Dowty OP3000	750-10780	150
HV	Hydraulic pump mounting bracket	750-41081	152
HZ	Hydraulic pump adaptor and coupling	750-14650	150
HC	Hydraulic pump adaptor	750-15960	150

Lubrication Equipment - Industrial

Code	Description of Accessory Kit	Kit Part Number	Page
LA	High level oil filler - LPW/S2,3,4	750-10830	173
LB	Extended dipstick - LPW/S2	750-10474	174
	Extended dipstick - LPW/S3,4	750-10312	174
LC	Lubricating oil distribution block	750-10490	179
LE	Remote oil filter - LPWT4	750-63552	176
	Remote oil filter - LPW/S	750-63553	176
LG	Engine Oil Cooler Kit - LPW/S2,3,4	750-63790	177
	Engine Oil Cooler Kit - LPWT4	750-43550	178
LH	Sump drain and tap	750-15150	177
LJ	Sump drain and tap	750-15770	177

Lubrication Equipment - Marine

Code	Description of Accessory Kit	Kit Part Number	Page
MLD	Sump Pump - Marine:		
	- LPW/S2	750-62050	180
	- LPW/S3,4 & LPWT4	750-62070	180
MLF	Sump Pump - Marine:		
	- LPW/S2,3	750-62740	180
	- LPW/S4 & LPWT4	750-62750	180
MLH	Crankcase Mounted Dipstick		
	- LPW/S2	750-63821	177
	- LPW/S3,4	750-63822	177

Manifolds - Industrial

Code	Description of Accessory Kit	Kit Part Number	Page
MA	Manifold - side entry with 1/2" BSP:		
	- LPWS2	750-41950	66
	- LPWS3	750-41960	66
	- LPWS4	750-41970	66
MB	Manifold - side entry (use with codes EY/EZ):		
	- LPW/S2	750-14360	66
	- LPW/S3	750-14370	66
	- LPW/S4	750-14380	66
MC	Manifold - end entry with no tappets:		
	- LPWS2	750-41990	66
	- LPWS3	750-42000	66
	- LPWS4	750-42010	66
MD	Manifold - end entry:		
	- LPW/S2	750-14400	66
	- LPW/S3	750-14410	66
	- LPW/S4	750-14420	66
MG	Manifold - top entry:		
	- LPW2	750-14440	66
	- LPWS2	750-42030	66
	- LPW3	750-14450	66
	- LPWS3	750-42040	66
MU	Manifold - top exit:		
	- LPW/S2	750-14490	66
	- LPW/S3	750-14500	66
	- LPW/S4	750-14510	66
MV	Manifold - side exit at gear end - LPW/S4	750-42050	66

Manifolds - Marine

Code	Description of Accessory Kit	Kit Part Number	Page
MMW	Water cooled manifold:		
	- LPW/S2	750-62120	71
	- LPW/S3	750-62110	71
	- LPW/S4	750-62100	71
	- LPWT4	750-62101	72

Mountings - Industrial

Code	Description of Accessory Kit	Kit Part Number	Page
QA	High level bearers - gear end	750-11490	198
QB	High level bearers - gear end	750-11500	198
QE	High level bearers - gear end	750-41910	199
QF	Low level bearers	750-43610	200
QC	High level bearers - flywheel or gear end	750-11480	199
QD	Flexible mountings kit	750-12010	199

Mountings - Marine

Code	Description of Accessory Kit	Kit Part Number	Page
MQB	Gear end bearers - wide	750-60500	200
MQB	Gear end bearers - wide - LPW/S3	750-60501	200
MQC	Gear end bearers - narrow	750-60510	200
MQD	Flywheel end bearers - wide	750-60520	200
MQD	Flywheel end bearers - wide - LPW/S3	750-60521	200
MQE	Flywheel end bearers - narrow	750-60530	200
MQF	Flywheel end bearers - LPW/S4 & LPWT4	750-61280	200
MQF	Flywheel end bearers - LPW/S3	750-61281	200

Mountings - Marine, Contd.

MQG	Anti-vibration mountings - standard	750-61900	202
MQH	Anti-vibration mountings - deluxe for Sail Boat	750-61920	202
MQI	Anti-vibration mountings - deluxe for Work Boat	750-62191	202

Protection Devices and Solenoids - Industrial

Code	Description of Accessory Kit	Kit Part Number	Page
JA	Fuel control solenoid - 12V energised to run	750-14310	158
JB	Fuel control solenoid - energised to stop	750-14250	159
JC	Fuel control solenoid - 12V energised to run - for LPW/S3,4 Build 76	750-15380	158
JE	Two speed control solenoid - 12V	750-11833	162
JG	Oil pressure switch - 3 terminal changeover contacts	750-10231	164
JI	High engine temperature switch - NC contacts	750-10281	164
JJ	Solenoid - energised to run	750-12083	160
JK	Oil pressure switch - single terminal for light only	750-11110	164
JL	High engine temperature switch - NO contacts	750-12930	164
JN	Oil pressure switch - for constant speed engines	750-14870	164
JO	Water temperature switch	750-41390	164

Protection Devices and Solenoids - Marine

Code	Description of Accessory Kit	Kit Part Number	Page
MJC	Temperature switch - operates at 99°C - LPW/S2,3,4	750-61450	165

Starting Equipment - Industrial

Code	Description of Accessory Kit	Kit Part Number	Page
EB	Starter motor - 12V - LPW/S2,3	750-13711	132
EC	Starter motor - 12V - LPW/S3,4, LPWT4	750-12432	132
ED	Alternator - 12V 45A with 44.5mm pulley	750-40320	134
EE	Alternator - 12V 45A with 61.5mm pulley	750-41000	134
EF	Alternator pulley - 61.5 diameter	750-15840	134
EG	Alternator - 12V 45A with 90mm pulley	750-43280	134
EH	Alternator - 12V 45A builds 81, 82, 83	750-41710	134
EJ	Alternator - 45A with 124mm pulley	750-43370	134
EX	Alternator belt - 810mm long	750-15760	134
EY	1 x Heater plug - LPW/S2,3,4	750-14460	138
EZ	2 x Heater plugs - LPW/S2,3,4	750-14470	138
WA	12V Electric start panel - engine mounted:		
	- LPW/S2	750-14900	232
	- LPW/S3	750-14910	232
	- LPW/S4	750-14920	232
WC	12V Electric start panel - engine mounted protection shutdown:		
	- LPW/S2	750-42890	234
	- LPW/S3	750-42900	234
	- LPW/S4	750-42910	234
WD	Excitation resistor	750-15750	250
WE	Engine wiring to terminal block	750-10544	242
WF	Engine wiring to terminal block - with protection	750-40127	242
WG	Harness extension - 2m for Code WE	750-10451	242
WH	Harness extension - 2m for Code WF	750-10462	242
WI	Glow plug relay kit - LPWS2,3,4	750-40314	248
WJ	Circuit Breaker Kit	750-15220	245
WK	Twin starter relays	750-15780	248
WP	Engine temperature lamp - supplied loose - 12V	750-40350	250
WQ	Low oil pressure indicator lamp - supplied loose - 12V	750-11120	250
WS	Remote panel - 12V	750-10568	236
WU	Engine protection relay kit - 12V	750-10426	246
WV	Keyswitch - heavy duty and water resistant - supplied loose	750-13840	250
WW	Engine mounted starter solenoid - type 33RA	750-13394	248
WY	Charging indicator lamp - supplied loose - 12V	750-10430	250
WZ	Keyswitch - supplied loose	572-56250	250
WT	Electric start panel	750-43800	236

Starting Equipment - Marine

Code	Description of Accessory Kit	Kit Part Number	Page
MEA	12V insulated return starter motor:		
	- LPW/S3,4	750-62772	133
	- LPWT4	750-62770	133

Starting Equipment - Marine, Contd.

MEF	12V insulated return alternator	750-61940	134
MWE	Insulated return starter motor solenoid - LPW/S2	750-61950	247
MEG	Insulated return starter motor - LPW/S2	750-62762	133
MEB	Earth return starter motor - LPW/S2	750-62411	133
MEC	Earth return starter motor - LPW/S3,4, LPWT4	750-62421	133
MEE	Alternator (45 Amp) - LPW/S2,3,4	750-62460	134
MEK	Additional auxiliary alternator (55 Amp) - LPW/S3,4 - Build 42	750-63150	136
MEM	Additional auxiliary alternator (55 Amp) - LPW/S3,4 - Build 47	750-63150	136
MEL	Additional auxiliary alternator (100 Amp) - LPW/S4	750-62890	136
MEN	Battery Leads	750-60010	139
MWF	Earth return wiring loom:		
	- LPW	750-62483	243
	- LPWT4	750-62473	243
MWH	Earth return wiring loom - LPWS	750-62473	243
MWI	Insulated return wiring loom - marine	750-62713	244
MWS	Earthing Solenoid	750-63720	244
MWJ	Wiring harness for fuel control solenoid	750-62492	245
MWK	4 metre extension harness	750-62500	245
MWL	Start panel - basic	750-63040	240
MWQ	Start panel - standard	750-62730	240
MWM	Start panel - standard for Canal Star only	750-62720	240
MWR	Start panel - deluxe	750-63060	240
MWN	Start panel - deluxe for Canal Star only	750-63050	240

Sterngear - Marine

Code	Description of Accessory Kit	Kit Part Number	Page
MYA	Pilot bored coupling	750-60640	252
MYB	Split boss coupling - LPW/S2,3,4	750-60650	252
MYC	Sterngear - 1500mm 2:1 - LPW/S2,3,4	750-60660	252
MYD	Sterngear - 2000mm 2:1 - LPW/S2,3,4	750-60670	252
MYE	Sterngear - 1500mm 3:1	750-60680	252
MYF	Sterngear - 2000mm 3:1	750-60690	252
MYG	Flexible coupling disc	750-60700	252
MYH	Split boss coupling	750-60710	252
MYI	Uniflex coupling - 20mm diameter - LPW/S2,3,4	750-60720	252
MYJ	Uniflex coupling - 30mm diameter	750-60730	252
MYK	Flexible coupling disc - LPW/S3,4	750-61060	252
MYL	Uniflex coupling 12 - LPW/S4, LPWT4	750-61370	252
MYM	Uniflex coupling 16 - LPWS3, LPW/S4, LPWT4	750-61380	252
MYN	Taper shaft coupling - LPW/S4, LPWT4	750-61840	252

Sundries

Code	Description of Accessory Kit	Kit Part Number	Page
DF	Fire pump twin belt drive	750-41860	98
MEO	Bilge pump	750-60740	138
MSA	Tool kit	750-60750	256
SD	Transfers	750-10820	-
XB	Loose items	750-17420	217
XC	Tension spring	750-15890	166
ZF	Numberplate for LPWS3/4 EPA Compliant Engines	750-43480	-

Engine Builds

Some Builds may not be available in all engines or cylinder configurations.

Where the build number is preceded by a 9 this indicates that the engine is either of a non-standard configuration, or contains non-standard parts or accessories.

When new parts are required for such a build it is suggested that reference be made to Lister-Petter to determine the exact engine specification and which parts are non-standard.

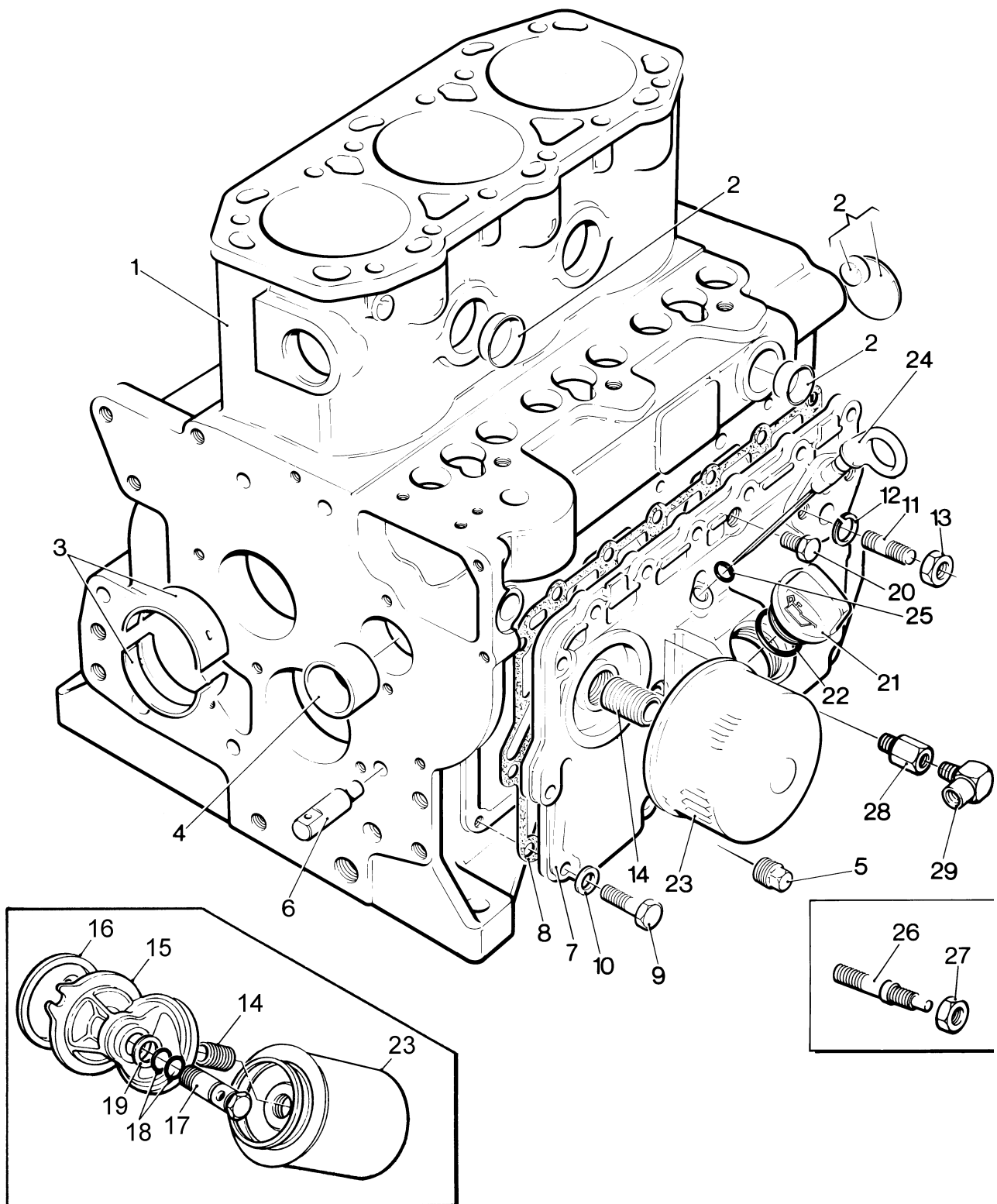
Builds 03 and 04 comply with ECE R24-03, ECE R49-01 and EEC88/77.

Build	Detail
01	Variable speed up to 3000 r/min. with no overload
02	Variable speed up to 3000 r/min. with overload
03	Smoke limited - variable speed up to 3000 r/min.
04	Smoke limited - variable speed up to 3000 r/min. provision for hydraulic pump
05	Variable speed up to 3000 r/min. with overload, provision for hydraulic pump
07	Fixed speed 1500 r/min.
08	Fixed speed 1800 r/min.
09	Fixed speed 3000 r/min.
10	Fixed speed 3600 r/min.
11	Automotive - variable speed up to 2800 r/min. LPWS3,4 only
12	CARB Certified Build - variable speed up to 3000 r/min. with overload. LPWS only
13	CARB Certified Build - smoke limited - variable speed up to 3000 r/min. LPWS only
18	CARB Certified Build - fixed speed 1800 r/min. LPWS only
27	Fixed Speed - 1500/1800 r/min. LPW only
28	Deep Sump - fixed speed 1500/1800 r/min. LPW only
34	Genset Build - 1500/1800 r/min.
37	Genset Build - 3000 r/min.
38	Genset Build - 3600 r/min.
40	Marine Build - variable speed up to 3000 r/min. with no overload
41	Marine Build - fixed speed 1500r/min.
42	Marine Build - variable speed up to 3000 r/min. with no overload
43	Marine Build - fixed speed 1800r/min.
44	Marine Build - fixed speed 3000r/min.
45	Marine Build - variable speed up to 2600 r/min. with no overload
46	Marine Build - variable speed up to 3000 r/min. with no overload
47	Marine Build - variable speed up to 2600 r/min.
48	Marine Build - variable speed up to 3000 r/min. LPW3,4 only
51	Deep sump - variable speed up to 3000 r/min. with no overload
52	Deep sump - variable speed up to 3000 r/min. with overload
57	Deep sump - fixed speed 1500 r/min.
58	Deep sump - fixed speed 1800 r/min.
59	Deep sump - fixed speed 3000 r/min.
70	Variable speed up to 3000 r/min with no overload. LPWS4 only
71	Fixed speed 2000 r/min. LPW2,4 only
72	Fixed speed 1800 r/min. LPW2,4 only
74	Genset Build - 1800 r/min.
76	Automotive, variable speed up to 2800/3000 r/min. LPWS only
78	Fixed speed 1800 r/min. with overload, LPWT4 only
79	Fixed speed 1800 r/min. with overload
81	Dual speed 1500/1800 r/min. LPW only
82	Fixed speed 3000 r/min. LPW only
83	Fixed speed 3600 r/min. LPW only
84	Variable speed 2500r/min. LPW4 only
89	Fixed speed 3000 r/min. with overload
102	Fixed speed 3000 r/min. with overload
108	Variable speed up to 3000r/min. high torque
109	Fixed speed 3000 r/min. with overload
113	Fixed speed 1800 r/min. with overload
173	CARB Certified Build - fixed speed 2000 r/min. with overload, military build
174	CARB Certified Build - fixed speed 1800 r/min. with overload, military build
177	CARB Certified dual speed 1800 r/min.

Crankcase

Illustration No.	Description	Part Number	LPW/S/T			Remarks
			2	3	4	
-	Crankcase Assembly - LPW/LPWS2	750-11380	1	-	-	
-	Crankcase - LPW/LPWS2	752-41000	1	-	-	Builds 40, 42
-	Crankcase - LPW/LPWS2	752-41941	1	-	-	Builds 28, 51, 52, 57, 58, 59
-	Crankcase - LPW2	752-43820	1	-	-	Build 173
-	Crankcase - LPW2	752-40991	1	-	-	Build 177
1	Crankcase Assembly - LPW/LPWS3	750-11440	-	1	-	
-	Crankcase - LPW/LPWS3	753-41000	-	1	-	Builds 40, 42, 48
-	Crankcase - LPW/LPWS3	753-41941	-	1	-	Builds 28, 51, 52, 57, 58, 59
-	Crankcase - LPW3	753-40990	-	1	-	Build 14, 18, 177
-	Crankcase Assembly - LPW/LPWS4	750-11470	-	-	1	
-	Crankcase - LPW/LPWS4	754-41000	-	-	1	Builds 40, 42, 48
-	Crankcase - LPW/LPWS4	754-41941	-	-	1	Builds 28, 51, 52, 57, 58, 59
-	Crankcase - LPW/LPWS4	754-40990	-	-	1	Builds 14, 18
-	Crankcase - LPWT4	754-42840	-	-	1	
-	Crankcase - LPWT4	754-44050	-	-	1	Builds 51, 52, 57, 58, 59
-	Crankcase - LPWT4	754-60230	-	-	1	Builds 40, 42
2	Expansion Plug Kit	750-11390	1	1	1	
-	Bush	751-16010	1	1	1	
3	Main Bearing - Gear end Standard	750-11240	1	1	1	See Note ¹
-	Main Bearing - 0.25mm undersize	750-11240/025	1	1	1	See Note ¹
-	Main Bearing - 0.50mm undersize	750-11240/050	1	1	1	See Note ¹
-	Main Bearing - 0.75mm undersize	750-11240/075	1	1	1	See Note ¹
-	Main Bearing - 1.00mm undersize	750-11240/100	1	1	1	See Note ¹
4	Camshaft Bush - Gear End	751-10950	1	1	1	
5	Plug - Drain Side	027-00140	1	1	1	
-	Plug - 3/8" BSP	027-00469	2	2	2	
-	Expansion Plug 1 1/2"	027-00801	1	1	1	Build 14, 18, 51, 173, 174, 177
-	Expansion Plug 25mm	201-60080	1	1	1	Build 14, 18, 51, 173, 174, 177
6	Governor Pivot Support	751-10324	2	2	2	Replaces 751-10321/2
-	Sump - Builds 28 51 52 57 58 59		1	1	1	See 'Deep Sump' section
-	Crankcase Door - LPW/S2	750-13740	1	-	-	Replaces 752-10373, see Note ²
-	Crankcase Door - LPW/S2	750-13770	1	-	-	Builds 40, 42, 45, 47, 76
-	Crankcase Door - LPW2	750-41770	1	-	-	Build 102
7	Crankcase Door - LPW/S3	750-13750	-	1	-	Replaces 753-10372, see Note ²
-	Crankcase Door - LPW/S4	750-13761	-	-	1	Replaces 754-10372, see Notes ^{2,3}
-	Crankcase Door - LPWS4	754-14440	-	-	1	Build 70
-	Crankcase Door - LPWT4	750-41493	-	-	1	Replaces 750-41491. All Builds except 84, see Note ³
-	Crankcase Door - LPWT4	750-43511	-	-	1	Replaces 750-43510. Build 84, see Note ³
-	Fuel Lift Pump Push Rod Bush	751-17300	1	1	1	See Note ²
-	Crankcase Door Joint - LPW/S2	752-10802	1	-	-	
8	Crankcase Door Joint - LPW/S3	753-10802	-	1	-	
-	Crankcase Door Joint - LPW/S4 & LPWT4	754-10804	-	-	1	Replaces 754-10802, see Note ³
9	Flanged Headed Screw - M6 x 25mm	272-00800	9	12	16	See Note ⁴ Replaces 272-00256 & 272-00364
-	Screw - M8 x 10mm	272-00239	2	2	2	
10	Washer	272-00364	11	15	20	Deleted, see Item 9
11	Stud - M8 x 35mm	272-00306	2	2	2	Replaces 272-00054 & 272-00108
12	Spring Washer	272-00071	2	2	2	
13	Nut - M8	272-00680	2	2	2	
-	Nut	272-00002	2	-	-	Build 102
-	Fuel Lift Pump Blanking Plate - LPW2,4	751-11770	1	-	1	Builds 71, 72
-	Blanking Plate Joint - LPW2,4	751-11761	1	-	1	Builds 71, 72
14	Oil Filter Adaptor		1	1	1	See 'Oil Filters' section
15	Oil Filter Bracket	751-15490	1	1	1	Builds 28, 51, 52, 57, 58, 59.
16	Sealing Ring	751-14000	1	1	1	Builds 28, 51, 52, 57, 58, 59.
17	Bolt	751-15470	1	1	1	Builds 28, 51, 52, 57, 58, 59.
18	'O' Ring	394-13730	2	2	1	Builds 28, 51, 52, 57, 58, 59.
19	Copper Washer	027-04661	1	1	1	Builds 28, 51, 52, 57, 58, 59.
-	Copper Washer	616-01608	2	2	2	Build 14, 18, 51, 173, 174, 177

Continued on page following drawing



No.	Description	Part Number	2	3	4	Remarks
20	Plug	366-07041	1	1	1	
-	Plug	201-33140	1	1	2	Build 14, 18, 51, 173, 174, 177
-	Protective Plug	027-05843	1	-	-	Build 102
-	Protection Cap	027-06797	1	-	-	Build 102
21	Oil Filler Cap	751-12670	1	1	1	
22	'O' Ring	751-12680	1	1	1	
23	Oil Filter		1	1	1	See 'Oil Filters' section
24	Oil Dipstick		1	1	1	See 'Oil Dipstick' sections
25	'O' Ring	201-13120	1	1	1	
-	Dipstick Tube - Marine		1	1	1	See 'Oil Dipstick - Marine' section
-	Extended Oil Dipstick		1	1	1	See Codes LB and MLB
26	Stud	751-14730	2	3	4	
-	Stud	272-00054	2	-	-	Build 102
27	Flanged Nut - M6	272-00802	2	3	4	Replaces 272-00002
28	Adaptor	757-17650	1	1	1	Builds 40, 42, 45, 47
29	Angled Adaptor	757-60480	1	1	1	Builds 40, 42, 45, 47
-	Hose clip	027-04231	1	-	-	Build 102

Note:

1) For other reference to Main Bearing see 'Crankshaft' section.

2) Lift pump push rod bushes first fitted in crankcase doors

750-13740, 750-13750, 750-13760 from	-	4200326LPW2	4200617LPW3	4200600LPW4
		4200123LPWS2	4200253LPWS3	4200435LPWS4

3) Crankcase Doors - latest crankcase door has an extra hole to reduce oil leakage. For spares of old doors use the following part numbers -

LPW4	-	750-13760 use part number 750-43700,
LPWT4	-	750-41491 use part number 750-43710,
		750-43510 use part number 750-43720,

Crankcase doors are not interchangeable

3) Crankcase door fixings - When new screws are fitted to old crankcases it is important to fit the old washer under screw head. This is to avoid the possibility of the screw bottoming.

Oil Pump and Strainer

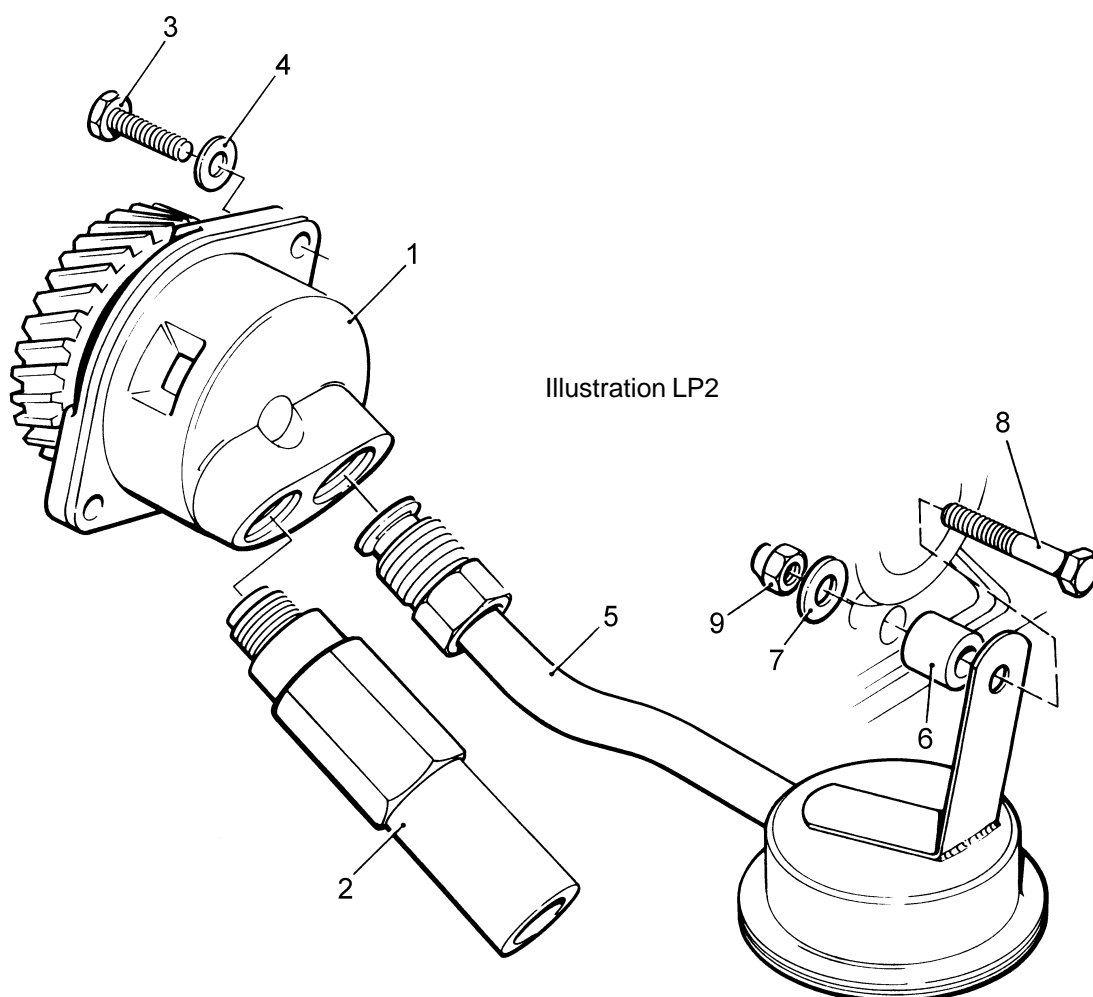
Illustration LP2
No. Description

Part Number LPW/S/T
2 3 4 Remarks

1	Oil Pump and Gear Assembly	750-12020	1	1	1	See Note
2	Oil Relief Valve	751-12012	1	1	1	
-	Oil Pump - LPWT4	750-43190	-	-	1	
-	Oil Relief Valve - LPWT4	754-43950	-	-	1	
3	Setscrew - M6 x 25mm	272-00256	2	2	2	Replaces 272-00117
4	Washer	272-00364	2	2	2	
5	Oil Strainer	753-10615	1	1	-	Replaces 753-10614
-	Oil Strainer	754-10615	-	-	1	Replaces 754-10614
-	Oil Strainer - LPWT4	754-44060	-	-	1	
-	'O' Ring - LPWT4	754-44130	-	-	2	
-	Oil Strainer	752-41880	1	-	-	Builds 51, 52, 57, 58, 59
-	Oil Strainer	753-41880	-	1	1	Builds 51, 52, 57, 58, 59
-	Oil Strainer - LPWT4	754-44000	-	-	1	Builds 51, 52, 57, 58, 59
-	Screw	272-00033	1	1	1	Builds 51, 52, 57, 58, 59
-	Spring Washer	272-00070	1	1	1	Builds 51, 52, 57, 58, 59
6	Distance Piece	751-15820	1	1	1	Used with Strainer 753-10615
7	Washer	272-00715	1	1	1	Used with Strainer 753-10615
8	Bolt	272-00191	1	1	1	Replaces 272-00719, used with Strainer 753-10615
9	Locknut - M6	272-00024	1	1	1	Used with Strainer 753-10615

Note:

Replaces 750-11360 from 4100324LPW2 4200001LPW3 4100570LPW4
 4200014LPWS2 4200041LPWS3 4200085LPWS4



Deep Sump - Builds 28, 51, 52, 57, 58, 59

Illustration LP161

No. Description

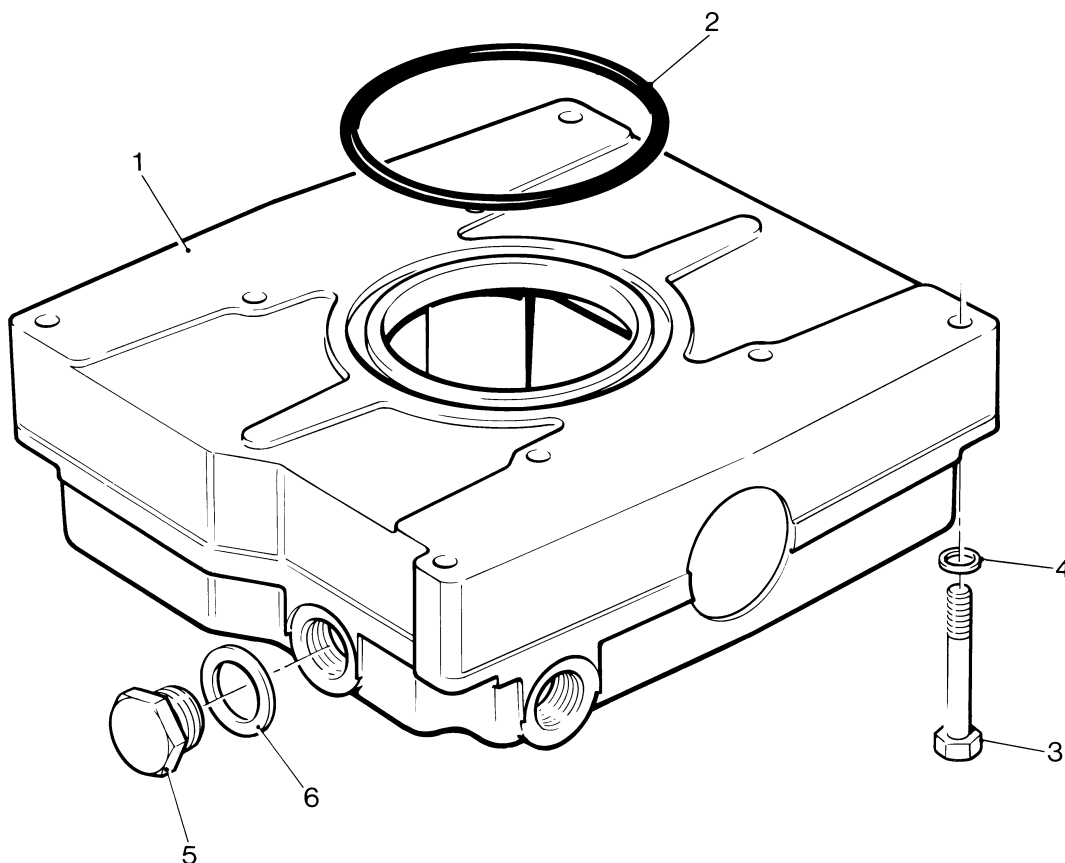
Part Number

LPW/S/T

2 3 4 Remarks

1	Sump Assembly - LPW/S2	752-41910	1	-	-	
-	Sump Assembly - LPW/S3	753-41910	-	1	-	
-	Sump Assembly - LPW/S4 & LPWT4	754-41910	-	-	1	
2	'O' Ring	757-12440	1	1	1	
3	Bolt - M8 x 50mm	272-00044	8	8	8	
4	Copper Washer	616-01608	8	8	8	
5	Plug - 1/2" BSP	201-47470	3	3	3	Replaces 007-00407
6	Copper Washer	013-21778	3	3	3	

Illustration LP161



Oil Filters

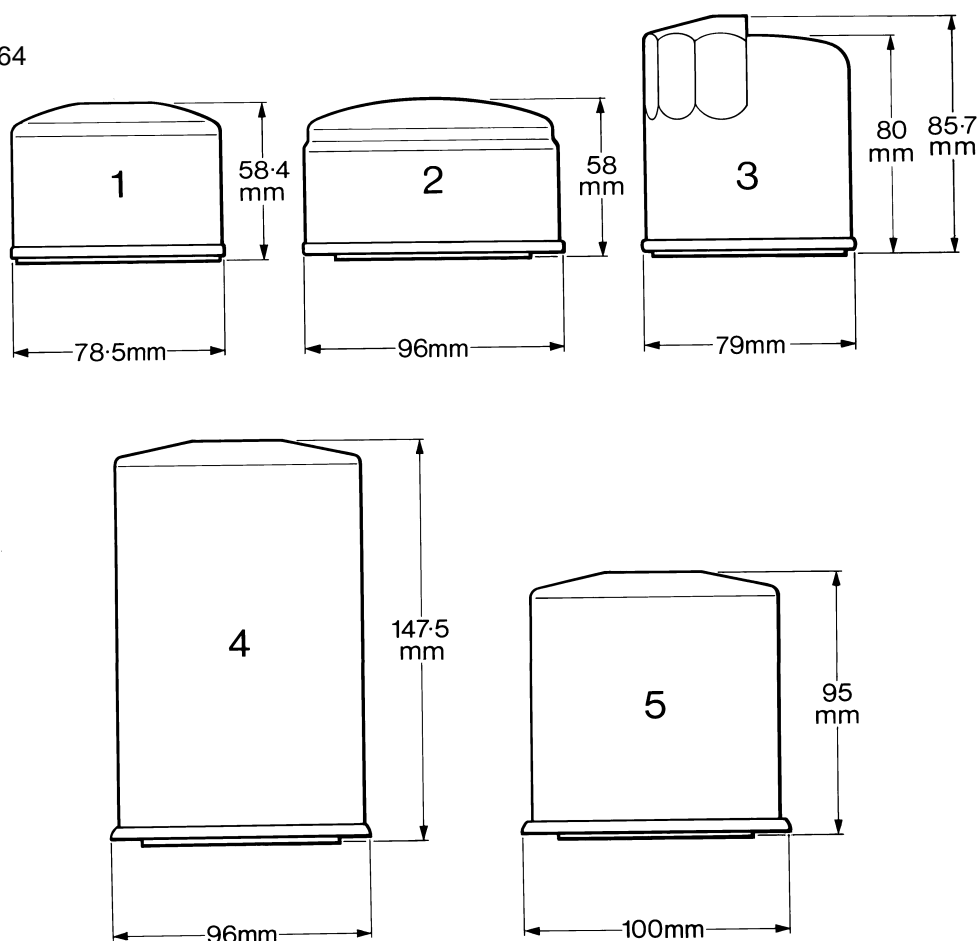
Illustration LP164

No.	Description	Part Number	Adaptor
1	LPW2	751-12870	751-10790
5	LPW2 - Builds 28 51 52 57 58 59	328-21600	751-15751
3	LPW2 - Builds 71 72	201-55370	751-10790
1	LPWS2	751-12870	751-10790
5	LPWS2 - Builds 51 52 57 58 59	328-21600	751-15751
5	LPWS2 - Build 76	751-43850	751-10790
2	LPW3	751-10620	751-10790
5	LPW3 - Builds 28 51 52 57 58 59	328-21600	751-15751
2	LPWS3	751-10620	751-10790
5	LPWS3 - Builds 51 52 57 58 59	328-21600	751-15751
5	LPWS3 - Build 76	751-43850	751-10790
2	LPW4	751-10620	751-10790
4	LPW4 - Builds 28 51 52 57 58 59	328-11500	751-15480
3	LPW4 - Builds 71 72	201-55370	751-10790
2	LPWS4	751-10620	751-10790
4	LPWS4 - Builds 51 52 57 58 59	328-11500	751-15480
4	LPWS4 - Build 76	751-43860	751-15751
4	LPWS4 - Build 108	328-11500	751-15751
5	LPWT4	328-21600	754-43320
4	LPWT4 - Builds 51 52 57 58 59	328-11500	754-43321
4	LPWT4 - Build 76	751-43860	754-43321
5	LPWT4 - Build 81	328-21600	751-10790

Note:

For 'Remote Oil Filter - LPWT4' see Accessory Kit Code LE.

Illustration LP164



Oil Cooler - LPWT4

Not fitted on Builds 07 or 81

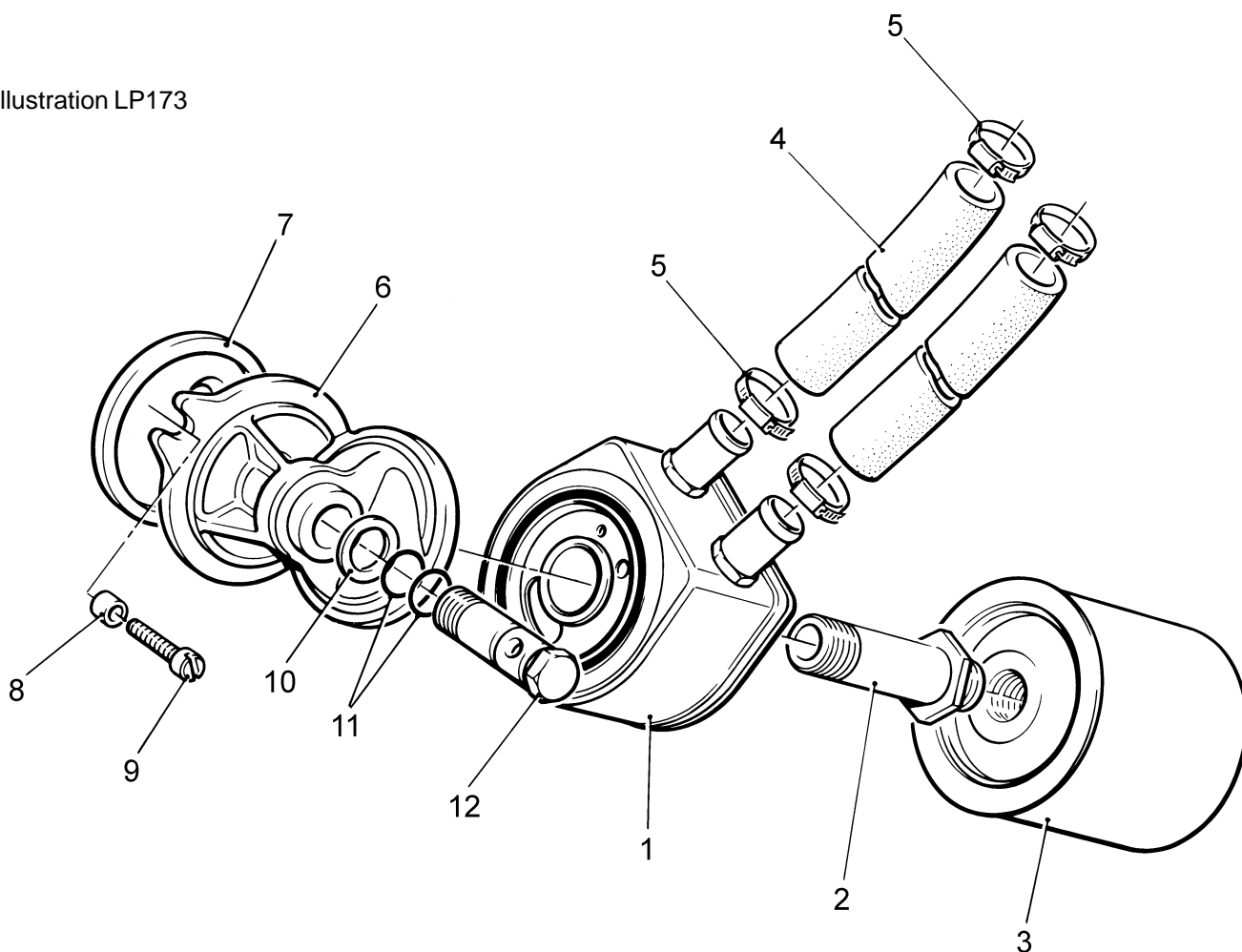
Illustration LP173

No.	Description	Part Number	LPWT			Remarks
			2	3	4	
1	Oil Cooler	754-43310	-	-	1	
-	Gasket	754-44580	-	-	1	
2	Adaptor	754-43320	-	-	1	
-	Adaptor	754-43321	-	-	1	Builds 51, 52, 57, 58, 59, 76
-	Adaptor	751-18531	-	-	1	Marine Builds
3	Oil Filter	328-21600	-	-	1	
4	Hose	754-44590	-	-	2	
-	Hose	754-43480	-	-	2	Builds 51, 52, 57, 58, 59, 76
-	Hose	754-43482	-	-	2	Marine Builds
5	Hose Clip	027-04687	-	-	4	
-	Hose Clip	027-07930	-	-	4	Builds 51, 52, 57, 58, 59, 76
6	Oil Filter Bracket	751-15490	-	-	1	Not Marine Builds
7	Sealing Ring	751-14000	-	-	1	Not Marine Builds
8	Spacer	366-08026	-	-	1	Not Marine Builds
9	Capscrew	272-00388	-	-	1	Not Marine Builds
10	Copper Washer	027-04661	-	-	1	Not Marine Builds
11	'O' Ring	394-13730	-	-	2	Not Marine Builds
12	Bolt	751-15470	-	-	1	Not Marine Builds

Note:

This part of the build is also available under Accessory Kit Code LG - for LPW/S, part number 750-63790.
- for LPWT4, part number 750-43550.

Illustration LP173



Oil Dipstick

Standard Crankcase Mounted - Illustration LP160

The code number is stamped on the dipstick blade

Engine and Build	Part Number	Code	
LPW2	752-17930	94	Replaces 752-15120
LPW2 - Builds 28 51 52 57 58 59	752-17150	89	
LPW2 - Builds 71 72	752-15120	82	
LPWS2	752-17930	94	
LPWS2 - Builds 51 52 57 58 59	752-17150	89	
LPW3	754-15120	83	Replaces 753-11253
LPW3 - Builds 28 51 52 57 58 59 70	754-41610	88	
LPWS3	754-15120	83	Replaces 753-11253
LPWS3 - Builds 51 52 57 58 59	754-41610	88	
LPW4	754-15120	83	Replaces 753-11253
LPW4 - Builds 51 52 57 58 59	754-41610	88	
LPWS4	754-15120	83	Replaces 753-11253
LPWS4 - Builds 51 52 57 58 59	754-41610	88	
LPWS4 - Build 70	751-41011	No code number	
LPWT4	754-15120	83	
LPWT4 - Builds 51 52 57 58 59 76	754-41610	88	

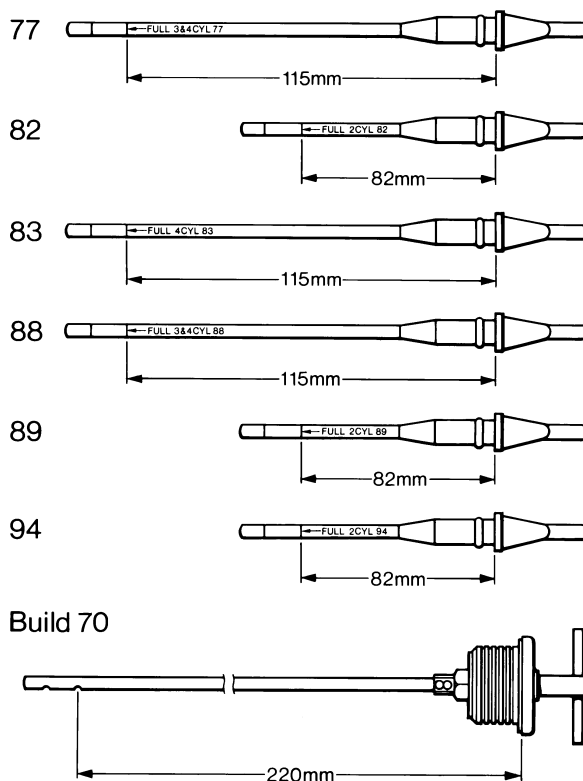
Note:

For Extended Oil Dipsticks see Accessory Kit Codes LB and MLB.

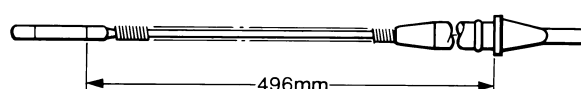
For Crankcase Mounted Dipstick see Accessory Kit Code MLH.

For other reference to Dipsticks see 'Crankcase' section.

Illustration LP160



Marine Builds



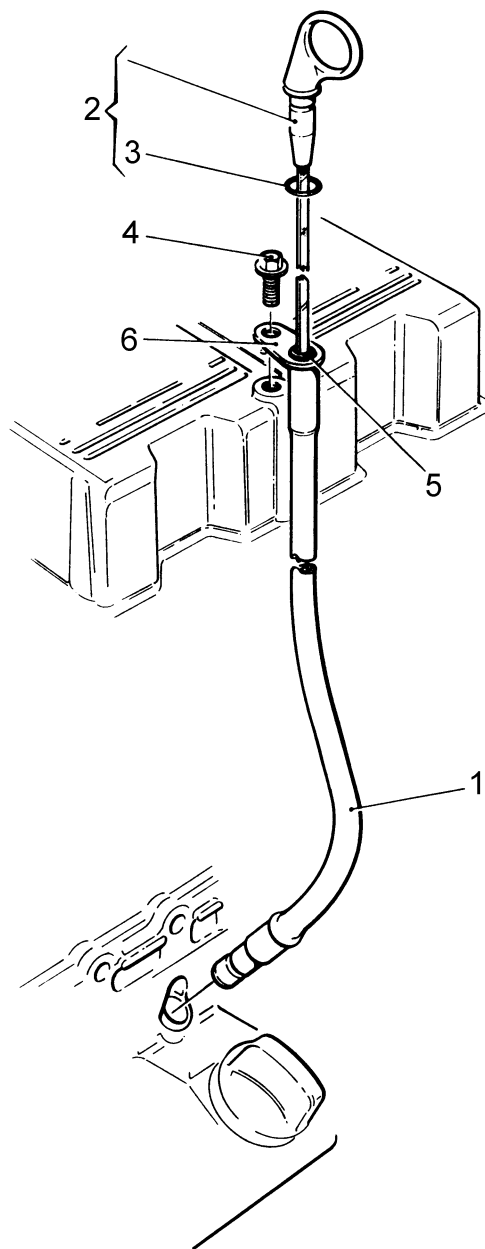
Oil Dipstick - Marine

Except Build 48

Illustration LP80

No.	Description	Part Number	LPW/S/T			Remarks
			2	3	4	
1	Dipstick Tube	757-23210	1	-	-	
-	Dipstick Tube	757-23230	-	1	1	
2	Dipstick	757-23281	1	1	1	Replaces 757-23270 & 757-23280
3	'O' Ring	201-13120	1	1	1	
4	Taptight Screw	757-15380	1	1	1	
5	Grommet	757-24010	1	1	1	
6	Strap	757-24020	1	1	1	

Illustration LP80



Crankshaft

Illustration LP11

No.	Description	Part Number	LPW/S/T			Remarks
			2	3	4	
-	Crankshaft Kit - LPW/LPWS2	750-11221	1	-	-	See Note
1	Crankshaft Kit - LPW/LPWS3	750-11421	-	1	-	See Note
-	Crankshaft Kit - LPW/LPWS4	750-11461	-	-	1	See Note
-	Crankshaft - LPWT4	754-42750	-	-	1	
2	Centre Bearing Housing Assembly	751-10482	1	2	3	
3	Dowel	010-02110	2	4	6	Replaces 201-25770 & 751-18290
4	Capscrew - M8 x 50mm	272-00261	2	4	6	
5	Centre Bearing - Standard	750-11250	1	2	3	
-	Centre Bearing - 0.25mm undersize	750-11250/025	1	2	3	
-	Centre Bearing - 0.50mm undersize	750-11250/050	1	2	3	
-	Centre Bearing - 0.75mm undersize	750-11250/075	1	2	3	
-	Centre Bearing - 1.00mm undersize	750-11250/100	1	2	3	
-	Gear End Main Bearing	750-11240	1	1	1	See 'Crankcase' section
6	Crankshaft Pinion	751-10121	1	1	1	
-	Crankshaft Pinion - LPWT4	751-42950	-	-	1	
7	Key	027-00107	1	1	1	
-	Thrust Washer Kit	750-11230	1	1	1	Comprises No's 8-11
8	Gear End - Top half		1	1	1	
9	Gear End - Bottom half		1	1	1	
10	Flywheel End - Top half		1	1	1	
11	Flywheel End - Bottom half		1	1	1	
12	Locating Tube	751-10490	1	2	3	
13	Main Bearing Housing	751-10072	1	1	1	Replaces 751-10071
14	Main Bearing - Flywheel end standard	750-11210	1	1	1	
-	Main Bearing - 0.25mm undersize	750-11210/025	1	1	1	
-	Main Bearing - 0.50mm undersize	750-11210/050	1	1	1	
-	Main Bearing - 0.75mm undersize	750-11210/075	1	1	1	
-	Main Bearing - 1.00mm undersize	750-11210/100	1	1	1	
15	Oil Seal	751-10430	1	1	1	
16	Setscrew - M8 x 20mm	272-00039	5	5	5	
17	Shim - 0.38mm	751-11930				Use as required
-	Shim - 0.50mm	751-11932				Use as required

Notes:

Includes items 5, 8, 9, 10, 11, 14, gear end main bearing(750-11240) and big end bearing (750-11260).

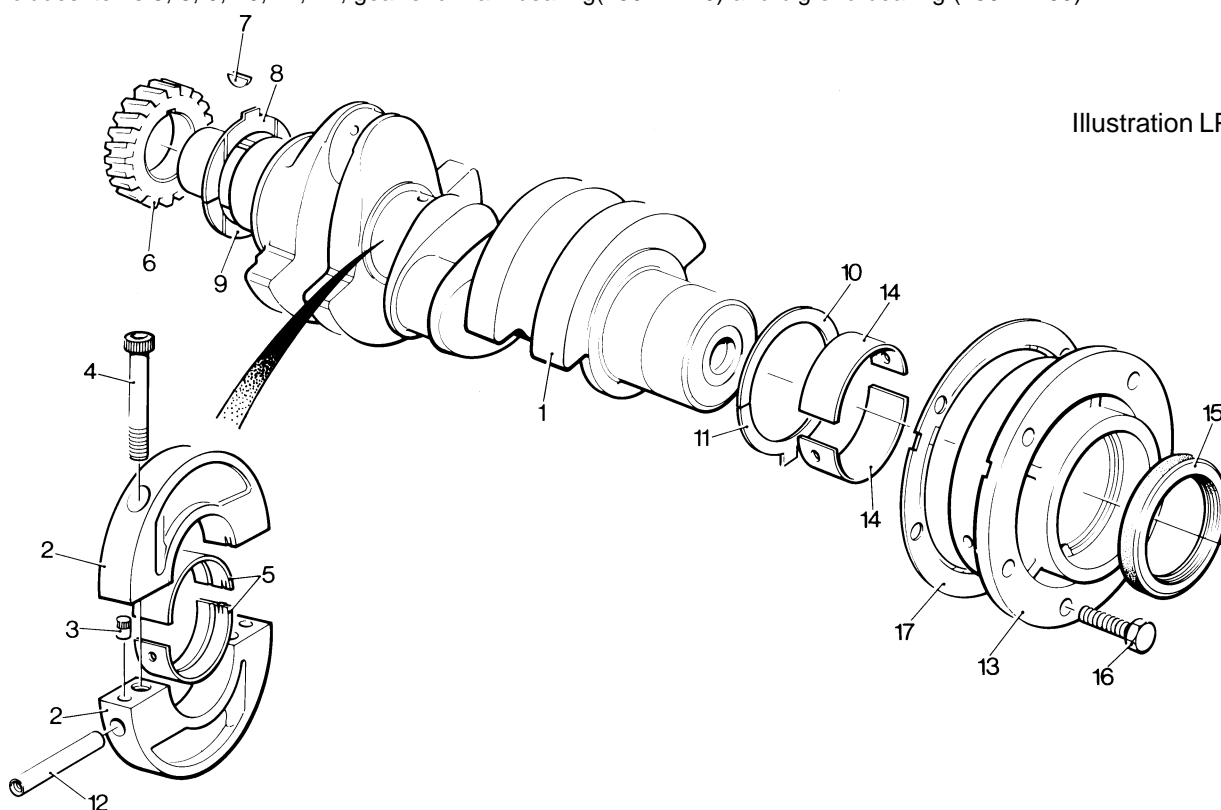


Illustration LP11

Piston and Connecting Rod

Piston - Illustration LP166

Connecting Rod - Illustration LP165

No.	Description	Part Number	LPW/S/T			Remarks
			2	3	4	
-	Piston Assembly - LPW - Standard	750-40005	2	3	4	Up to 4100323LPW2 4109999LPW3 4100569LPW4
-	Piston Assembly - LPW - 0.25mm oversize	750-40005/025	2	3	4	
-	Piston Assembly - LPW - 0.50mm oversize	750-40005/050	2	3	4	
-	Piston Assembly - LPW - Standard	750-40006	2	3	4	From 4100324LPW2 4200001LPW3 4100570LPW4
-	Piston Assembly - LPW - 0.25mm oversize	750-40006/025	2	3	4	
-	Piston Assembly - LPW - 0.50mm oversize	750-40006/050	2	3	4	
-	Piston Assembly - LPW - Standard	750-41610	2	3	4	Replaces 750-40006 from 4400109LPW2 4400092LPW3 4400138LPW4
-	Piston Assembly - LPW - 0.25mm oversize	750-41610/025	2	3	4	
-	Piston Assembly - LPW - 0.50mm oversize	750-41610/050	2	3	4	
-	Piston Assembly - LPWS - Standard	750-40092	2	3	4	Up to 4200013LPWS2 4200040LPWS3 4200084LPWS4
-	Piston Assembly - LPWS - 0.25mm oversize ...	750-40092/025	2	3	4	
-	Piston Assembly - LPWS - 0.50mm oversize ...	750-40092/050	2	3	4	
-	Piston Assembly - LPWS - Standard	750-40093	2	3	4	From 4200014LPWS2 4200041LPWS3 4200085LPWS4
-	Piston Assembly - LPWS - 0.25mm oversize ...	750-40093/025	2	3	4	
-	Piston Assembly - LPWS - 0.50mm oversize ...	750-40093/050	2	3	4	
-	Piston Assembly - LPWT4 - Standard	750-42230	-	-	4	
-	Piston Assembly - LPWT4 - 0.25mm oversize .	750-42230/025	-	-	4	
-	Piston Assembly - LPWT4 - 0.50mm oversize .	750-42230/050	-	-	4	
1	Piston		2	3	4	
2	Gudgeon Pin		2	3	4	
3	Circlip	751-12450	4	6	8	
-	Piston Ring Set - Standard	750-11401	2	3	4	Up to 4100323LPW2 4109999LPW3 4100569LPW4 4200013LPWS2 4200040LPWS3 4200084LPWS4
-	Piston Ring Set - 0,25mm oversize	750-11401/025	2	3	4	
-	Piston Ring Set - 0,50mm oversize	750-11401/050	2	3	4	
4	Piston Ring Set - Standard	750-13120	2	3	4	From 4100324LPW2 4200001LPW3 4100570LPW4 4200014LPWS2 4200041LPWS3 4200085LPWS4 and LPWT4
-	Piston Ring Set - 0,25mm oversize	750-13120/025	2	3	4	
-	Piston Ring Set - 0,50mm oversize	750-13120/050	2	3	4	
-	Connecting Rod Assembly	750-10152	2	3	4	Replaces 750-10150
-	Connecting Rod Assembly - LPWT4	750-42410	-	-	4	
5	Connecting Rod		2	3	4	
6	Bolt	751-10232	4	6	8	
7	Small End Bush	751-10150	2	3	-	
8	Big End Bearing - Standard	750-11260	2	3	4	
-	Big End Bearing - 0,25mm undersize	750-11260/025	2	3	4	
-	Big End Bearing - 0,50mm undersize	750-11260/050	2	3	4	
-	Big End Bearing - 0,75mm undersize	750-11260/075	2	3	4	
-	Big End Bearing - 1,00mm undersize	750-11260/100	2	3	4	

Note:

Pistons are supplied complete with rings, gudgeon pin and circlips. Mono-metal and the later expansion controlled piston assemblies must not be mixed on an engine.

Illustration LP166

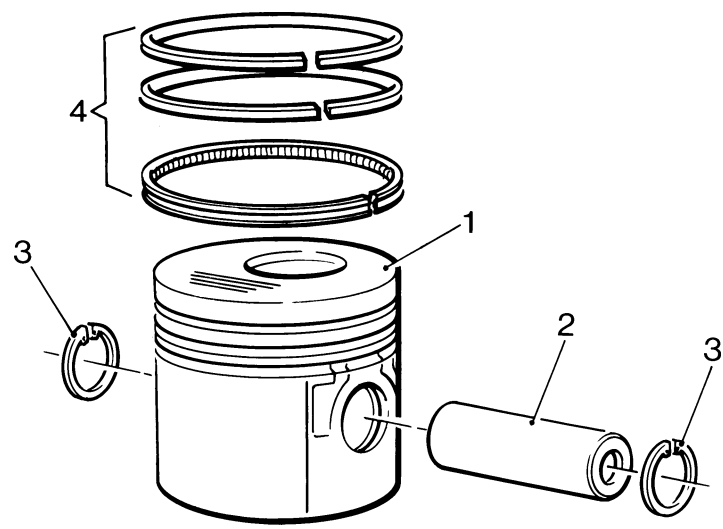
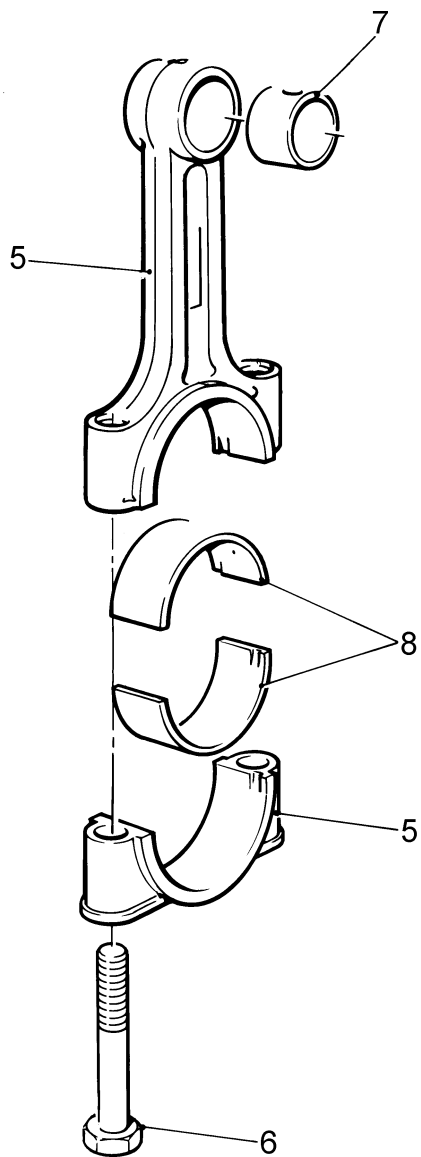


Illustration LP165



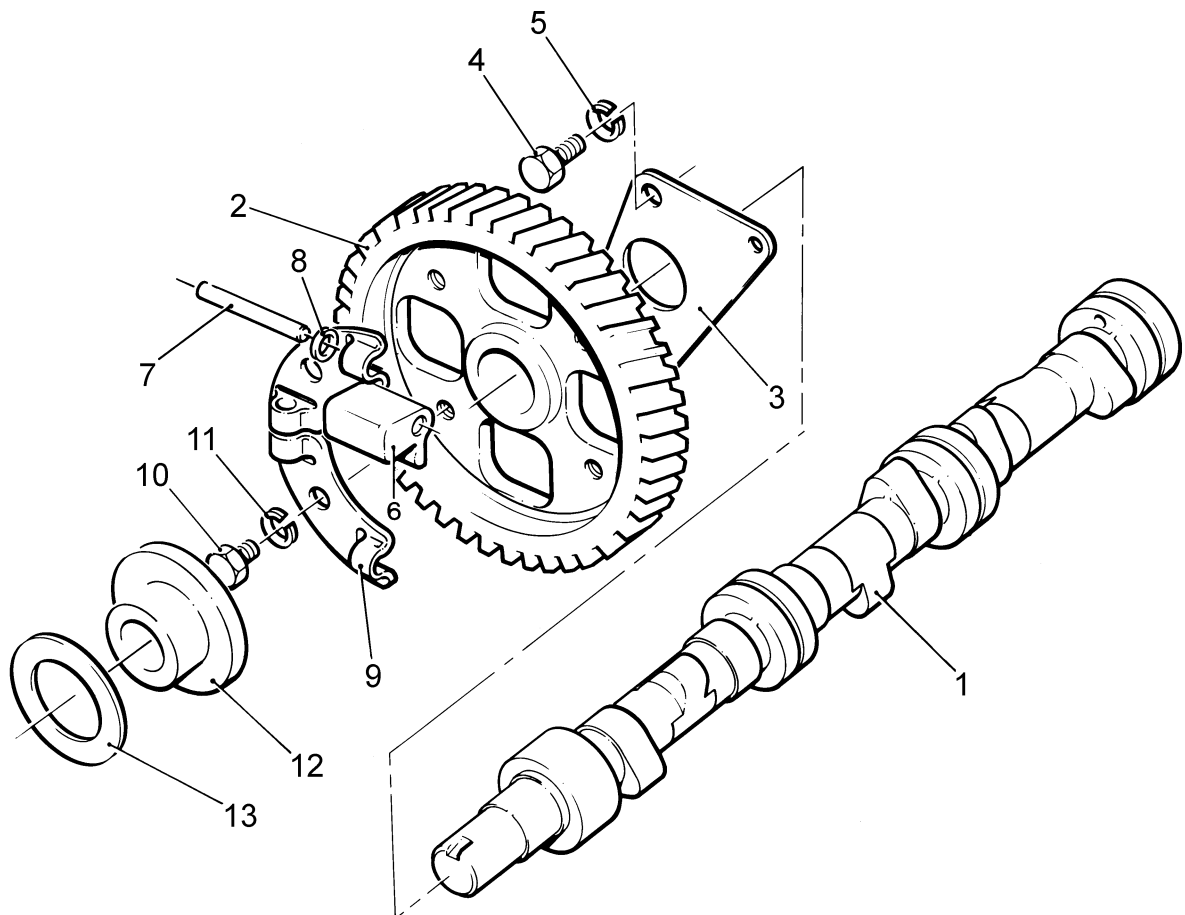
Camshaft

Illustration LP3 No. Description	Part Number	LPW/S/T			Remarks
		2	3	4	
- Camshaft Assembly - LPW/LPWS2	750-14142	1	-	-	Replaces 750-12331 & 750-14140
- Camshaft Assembly - LPW/LPWS2	750-63631	1	-	-	Builds 40, 42, 44, 45, 46 Replaces 750-12221/3
- Camshaft Assembly - LPW2	750-12074	1	-	-	Builds 71, 72
1 Camshaft Assembly - LPW/LPWS3	750-14152	-	1	-	Replaces 750-12341 & 750-14150
- Camshaft Assembly - LPW/LPWS3	750-63201	-	1	-	Builds 40, 41, 42, 43, 44, 45, 46 Replaces 750-12231/3
- Camshaft Assembly - LPWS3	750-44520	-	1	-	See Note ⁴ .
- Camshaft Assembly - LPW/LPWS4	750-12036	-	-	1	Replaces 750-12032 & 750-12034
- Camshaft Assembly - LPW/LPWS4	750-63211	-	-	1	Builds 40, 41, 42, 43, 44, 45, 46 Replaces 750-12241/3
- Camshaft Assembly - LPWS4/LPWT4	750-41740	-	-	1	See Note ⁴
- Camshaft Assembly - LPWT4	750-63410	-	-	1	Builds 40, 41, 42, 43, 44, 46
2 Gearwheel		1	1	1	
3 Thrust Plate		1	1	1	
4 Setscrew - M6 x 12mm	272-00032	2	2	2	
- Oil Jet Screw	751-15100	2	2	2	Builds 07, 08, 18, 27, 28, 34, 41, 43, 57, 58, 71, 72, 79, 81
5 Spring Washer	272-00070	2	2	2	
6 Governor Weight					See 'Governor Weights' section
7 Pin	601-21131	4	4	4	
8 Washer	751-13181	8	8	8	
9 Retaining Plate	751-13971	4	4	4	Replaces 751-10270
- Retaining Plate	751-17800	4	4	4	Builds 10, 38, 83
10 Setscrew - M6 x 12mm	272-00032	4	4	4	Replaces 272-00106
11 Spring Washer	272-00070	4	4	4	
12 Governor Sleeve	751-10288	1	1	1	See Note ¹
- Governor Sleeve	751-15441	1	1	1	See Note ²
- Governor Sleeve	750-12660	1	-	1)
- Thrust Washer	751-15940	1	-	1) See Note ³
- Thrust Washer	751-15950	1	-	1)
13 Thrust Washer	751-13130	1	1	1	

Notes:

1. Not Builds 07 08 09 18 37 43 44 57 58 59 79 82
2. Only Builds 07 08 09 18 37 43 44 57 58 59 79 82
3. Only LPW2 Builds 71 72 and LPW4 Builds 71 72 74 173 174
4. Introduced on LPWS3/4 engines from 1st Nov 1998 for EPA compliant engines. Fitted to LPWS3 Builds 01, 02, 51, 76, LPWS4 Builds 01, 02, 51, 76, 84, 108 from that date and not to be fitted to earlier engines. The same camshaft is also fitted to LPWT4 variable speed builds of which Builds 01, 02, 51 and 84 are EPA Certified.

Illustration LP3



Governor Weights and Speeder Springs

LPW Builds	Part Number	LPW/S/T			Remarks
		2	3	4	
01 02 03 14 16 40 42 46 48 51 52 84	751-11091	2	2	2	
09 10 44 59 82 83	751-15461	4	4	-	
09 10 44 59 82 83	751-15460	-	-	4	
27 28 41 74 81	751-12983	4	4	4	
47	751-12980	2	2	2	
57 58 79	751-12980	4	4	4	
71 72 74	750-12684	4	4	4	

LPWS Builds	Part Number	LPW/S/T			Remarks
		2	3	4	
01 02 03 11 12 13 42 46 51 70 76 84 108	751-11091	2	2	2	
07 18 41 57	751-12980	4	4	4	
09 44	751-15460	4	4	4	
45 47	751-12980	2	2	2	

LPWT Builds	Part Number	LPW/S/T			Remarks
		2	3	4	
01 02 03 04 51	751-11091	-	-	2	
07 08 41 57 58 78 79 81	751-12983	-	-	4	
09 42 46 59 82 84	751-15460	-	-	4	
74	750-12684	-	-	4	

Governor Speeder Springs

LPW Builds	Part Number	LPW/S/T			Spring Colour Code
		2	3	4	
01 02 03 14 16 40 42 46 47 48 51 52 84 102	751-15720	1	1	-	Green/white
09 44 59 82 109	751-16612	1	1	1	Yellow
10 83	751-17790	1	1	1	Red
27 28 41 74 81 177	751-16613	1	1	1	Blue
57	751-12894	1	1	1	Black/White
18 58 79 113	751-12895	1	1	1	Black
71 72 173 174	751-40906	1	-	1	Green/silver
74	751-19130	-	-	1	Yellow/Green

LPWS Builds	Part Number	LPW/S/T			Spring Colour Code
		2	3	4	
01 02 03 11 12 13 42 45 46 47 49 51 70 76 84 108	751-15300	1	1	1	None
07 41 57	751-16611	1	1	1	Green
09 44	751-16613	1	1	-	Blue
44	751-16614	-	-	1	Red/White
18	751-13455	-	-	1	Blue/Red

LPWT Builds	Part Number	LPW/S/T			Spring Colour Code
		2	3	4	
01 02 03 04 51 78	751-15710	-	-	1	White/White
07 41 57	751-12789	-	-	1	White/Yellow
08 58 79	751-16613	-	-	1	Blue
09 59 82 89	751-12894	-	-	1	Black/White
42 46 84	751-15720	-	-	1	Green/White
74	751-19130	-	-	1	Yellow/Green
81	751-16611	-	-	1	Green

Governor Linkage and Controls

Illustration No.	LP6 Description	Part Number	LPW/S/T			Remarks
			2	3	4	
-	Governor Lever Assembly - LPW/S2	750-10182	1	-	-	See Note ¹ . Replaces 750-10180/1
-	Governor Lever Assembly - LPW/S2	750-12710	1	-	-	See Note ²
-	Governor Lever Assembly - LPW2	750-12900	1	-	-	Builds 71 and 72
1	Governor Lever Assembly - LPW/S3	750-10212	-	1	-	See Note ¹ . Replaces 750-10210
-	Governor Lever Assembly - LPW/S3	750-10213	-	1	-	See Note ²
-	Governor Lever Assembly - LPW/S/T4	750-10662	-	-	1	See Note ¹
-	Governor Lever Assembly - LPW/S4	750-10663	-	-	1	See Note ²
-	Governor Lever Assembly - LPW4	750-12920	-	-	1	Builds 71 and 72
-	Fuel Pump Rack - LPW/S2		1	-	-	
2	Fuel Pump Rack - LPW/S3		-	1	-	
-	Fuel Pump Rack - LPW/S/T4		-	-	1	
3	Bearing		1	1	1	
4	Spring Pin		1	1	1	
5	Toe		1	1	1	
6	Spring Pin		1	1	1	
7	Bush - Rack to Governor Lever Spring		1	1	1	
8	Spring - Rack to Governor Lever	751-10330	1	1	1	
9	Thrust Collar	751-12823	1	1	1	See Note ¹
-	Thrust Collar	751-15430	1	1	1	See Note ²
10	Bush	751-15360	2	2	2	
-	Governor Speed Control Kit	750-11371	1	1	1	Fixed speed builds only.
11	Bush	751-11322	1	1	1	Fixed speed builds only.
12	Baseplate	751-15043	1	1	1	
13	Capscrew - M6 x 12mm	272-00167	1	1	1	
14	Speed Setting Setscrew - M5 x 35mm	272-00654	1	1	1	Replaces 272-00718. Not in LPWS Build 79 or LPWT4 Build 09. Variable speed builds use 2 off.
15	Speed Setting Setscrew - M5 x 50mm	272-00655	1	1	1	Replaces 272-00717. LPWS Build 79 and LPWT4 Build 09 use 2 off. Fixed speed builds only.
16	Nut	272-00611	2	2	2	
17	Speed Control Quadrant	751-13054	1	1	1	Fixed speed builds only.
18	'O' Ring	751-10590	1	1	1	
19	Lever - Speeder Spring		1	1	1	
20	Setscrew - M5 x 12mm	272-00440	1	1	1	
21	Washer	272-00687	1	1	1	Replaces 272-00610. Fixed speed builds only.
22	Spring Anchor Plate	751-15140	1	1	1	Variable speed builds only.
-	Fuel Pump Lever Kit	750-11430	1	1	1	
23	Bush	751-11322	1	1	1	
-	Bush	752-43410	1	-	-	Build 102
24	External Stop/Run Lever		1	1	1	
25	Knob - Stop/Run Lever	751-12971	1	1	1	
26	Setscrew		1	1	1	
27	Locknut		1	1	1	
28	'O' Ring	751-10590	1	1	1	
29	Stop/Run Lever		1	1	1	
30	Trip Lever		1	1	1	
31	Spring	751-11280	1	1	1	
32	Pin		1	1	1	
33	Washer		2	2	2	
34	Setscrew		1	1	1	
35	Washer		1	1	1	
36	Spring	751-15060	1	1	1	Replaces 751-10312
-	Spring	752-43372	1	-	-	Build 102
37	Pivot	751-15070	1	1	1	
38	Speeder Spring		1	1	1	See 'Gov. Speeder Springs' section
39	Pivot Support	751-10324	2	2	2	Replaces 751-10321/2
-	Pivot Pin Kit	750-11350	1	1	1	

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Governor Linkage and Controls continued....

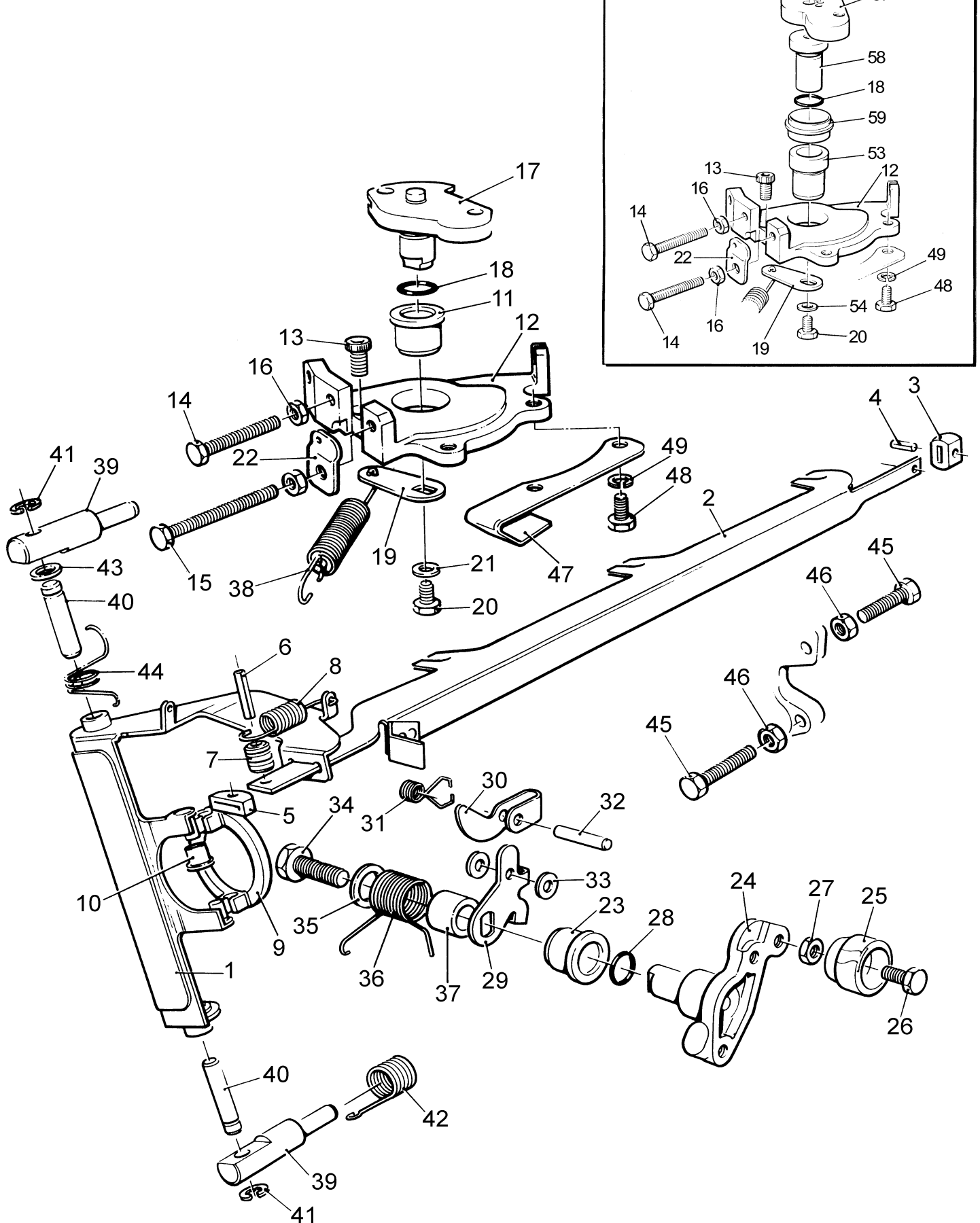
Illustration LP6

No.	Description	Part Number	LPW/S/T			Remarks
			2	3	4	
40	Pin		2	2	2	
41	Retainer		2	2	2	
42	Pivot Pin Clip	751-13010	2	2	2	
43	Shim	751-13181	-	-	-	As required. Replaces 751-13180
44	Damper Spring - LPW4	751-18140	-	-	1	Builds 79 & 84
45	Setscrew	272-00718	2	2	2	
-	Setscrew	751-16670	2	2	2	Builds 03, 04, 71, 72
46	Locknut	272-00611	2	2	2	
47	Spring Clip	751-15050	1	1	1	
48	Screw - M5 x 10mm	272-00690	2	2	2	Replaces 272-00699
49	Spring Washer	786377	2	2	2	Replaces 272-00069 and 786303
50	Tamper-proof plate	751-18350	1	1	1	See Note ³
51	Screw	201-46630	1	1	1	See Note ³
52	Clamp	361748	1	1	1	See Note ³
53	Bush	751-19450	1	1	1	Variable speed builds only.
54	Washer	272-00687	2	2	2	Variable speed builds only.
55	Spring Pin	027-10103	1	1	1	Variable speed builds only.
56	Screw	272-00718	1	1	1	Variable speed builds only.
57	Top Plate	751-19440	1	1	1	Variable speed builds only.
58	Spindle	751-19460	1	1	1	Variable speed builds only.
59	Shroud Ring	751-19470	1	1	1	Variable speed builds only.

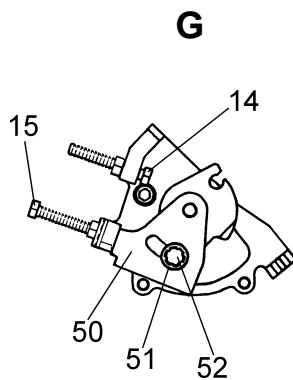
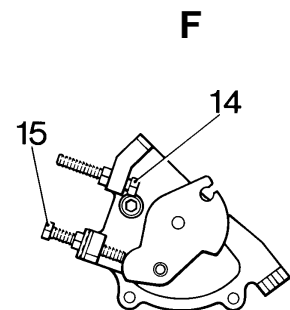
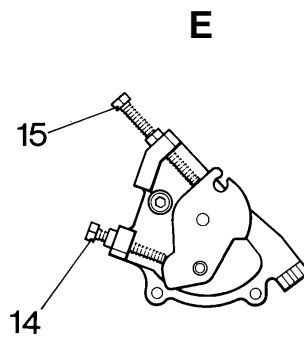
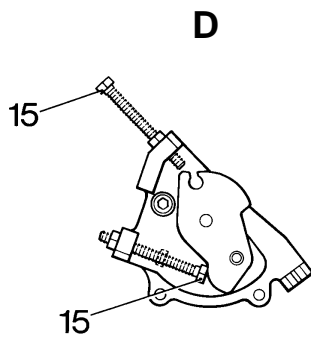
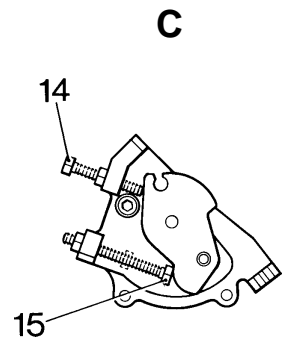
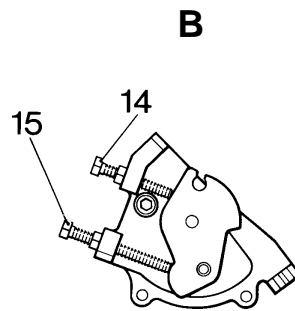
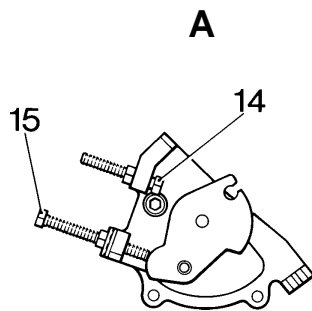
Notes:

- 1 Not Builds 07 08 09 18 34 37 41 43 44 57 58 59 79 81 82 85
- 2 Only Builds 07 08 09 18 34 37 41 43 44 57 58 59 79 81 82 85
3. Introduced from 1st Nov 1998 for EPA compliant engines. Fitted to LPWS3/4 Builds 01, 02, 51, 76 along with LPWS4 Builds 84 and 108 from that date and not to be fitted to earlier engines.

Illustration LP6

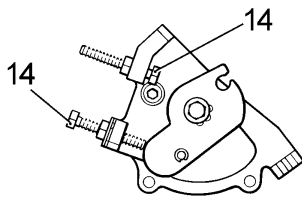
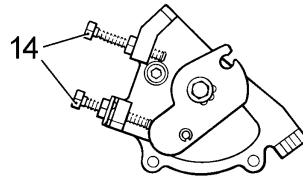
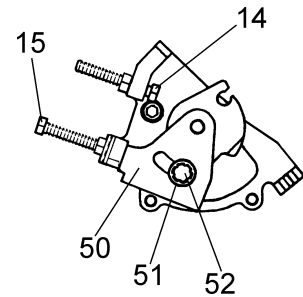
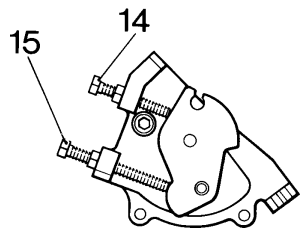
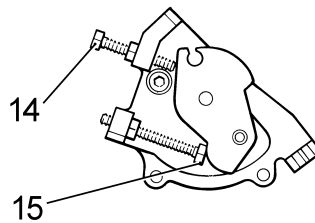
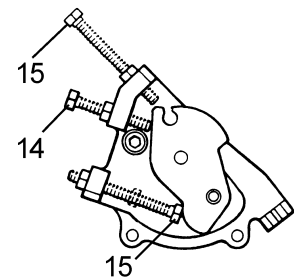
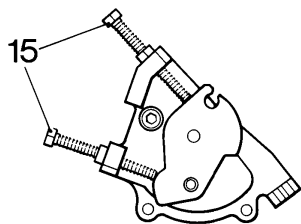


Early Type Speed Controls



- A Builds 01 02 03 04 05 11 48 51 52 73 75 76 84
- B Builds 07 08 09 10 34 37 38 41 43 44 57 58 59 71 72
79 81 82 83 85 but not LPWS Builds 08 43 68 79
- C LPW3,4 Build 27 28 41 81 - 1500r/min
- D LPW3,4 Build 27 28 41 81 - for resetting from
1500r/min to 1800r/min
- E LPWS2,3,4 Builds 08 18 43 58 79
- F Builds 40, 42, 45, 46, 47
- G Builds 12, 13, 15

Later Type Speed Controls

A**B****C****D****E****F****G**

Variable Speed Builds

- A Builds 01 02 03 04 11 14 16 40 42 45 46 47
48 49 51 52 76 84 102 108
B Builds 70
C Builds 12, 13

Fixed Speed Builds

- D Builds 08 09 10 18 44 58 59 71 72 82 83 89
109 173 174
E Builds 07 57 LPWS3 41
F Builds 27 28 74 81 LPW/LPWT 41 - for resetting from
1500r/min to 1800r/min
G Builds 79 LPWT 09 LPWT 78

Cylinder Head and Cover - LPW & LPWT4

Illustrations LP22, LP8, LP74 & LP176			LPW/T			Remarks
No.	Description	Part Number	2	3	4	
-	Cylinder Head Assembly - LPW2	750-40022	1	-	-	Replaces 750-40021 from 4200396LPW2
1	Cylinder Head Assembly - LPW3	750-40072	-	1	-	Replaces 750-40071 from 4200850LPW3
-	Cylinder Head Assembly - LPW4	750-40262	-	-	1	Replaces 750-40261 from 4200687LPW4
-	Cylinder Head Assembly - LPWT4	750-41641	-	-	1	
-	Valve Guide	751-10903	4	6	8	Replaces 751-10902. See Note ¹
2	Inlet Valve	751-40550	2	3	4	
-	Inlet Valve - LPWT4	751-40551	-	-	4	Replaces 751-40550
3	Exhaust Valve	751-40530	2	3	4	
4	Valve Spring Plate	751-10913	4	6	8	
5	Valve Spring	751-10661	4	6	8	
6	Valve Spring Carrier	751-10672	4	6	8	
7	Valve Cotter	359401	8	12	16	Supplied in pairs
8	Setscrew	272-00166	1	1	1	
9	Washer	616-01608	1	1	1	
10	Valve Stem Seal	751-41701	4	6	8	Replaces 751-13570. See Note ²
11	Breather Tube	751-13110	2	3	4	
-	Cylinder Head Plug Kit	750-40890	1	1	1	
-	Rocker Lever Kit	750-11280	4	6	8	
-	Rocker Lever Kit - LPW2	750-12500	4	-	-	Builds 71, 72
12	Rocker Lever		4	6	8	
13	Pivot		4	6	8	
14	Nut	272-00003	4	6	8	Replaces 751-12700
15	Push Rod	751-10063	4	6	8	
16	Push Rod Sealing Tube	751-40192	4	6	8	
17	Crankcase Sealing Tube Rubber	201-30261	4	6	8	
18	Washer	751-11810	4	6	8	
19	Head Sealing Tube Rubber	201-42360	4	6	8	
20	Hydraulic Tappet	751-11730	4	6	8	Replaces 751-16720
21	Bolt - Cylinder Head and Rocker	751-40184	4	6	8	Replaces 751-40183
-	Bolt - Cylinder Head and Rocker - LPWT4	751-17620	-	-	8	
22	Bolt - Cylinder Head	751-40173	2	4	4	Replaces 751-40172
-	Bolt - Cylinder Head - LPWT4	751-17630	-	-	4	
23	Bolt - Cylinder Head and Lifting Eye	751-40671	2	2	4	Replaces 751-40670
-	Bolt - Cylinder Head and Lifting Eye - LPWT4	751-17640	-	-	4	
24	Spacer	751-12692	4	6	8	Replaces 751-12691
-	Spacer - LPWT4	751-17700	-	-	8	
-	Cylinder Head Gasket - LPW2 1.47mm	752-40751	1	-	-	
25	Cylinder Head Gasket - LPW3 1.47mm	753-40891	-	1	-	Replaces 753-40751
-	Cylinder Head Gasket - LPW/T4 1.47mm	754-40891	-	-	1	Replaces 754-40751
26	Lifting Eye	751-12570	1	1	2	
27	Nut	272-00003	2	2	4	
28	Rocker Cover	751-10222	2	3	4	Only 2 on LPWT4
-	Rocker Cover - LPW2/4	751-13740	2	-	4	Builds 71, 72
29	Rocker Cover - LPWT4	754-44160	-	-	1	
30	Rocker Cover with Oil Filler	757-14211	1	1	1	Builds 40-47. See Code LA
-	Rocker Cover	757-19450	-	1	2	Builds 40-47
31	Joint	751-11073	2	3	4	Replaces 751-11072
32	Nut	751-12710	4	6	8	
33	'O' Ring	201-81200	4	6	8	
34	Oil Filler Cap	751-12670	1	1	1	
35	'O' Ring	751-12680	1	1	1	

Notes:

1. Replaces 751-10902 from 4200396LPW2 4200850LPW3 4200687LPW4.
If replacing 751-10902 supply 751-10903 plus valve stem seal 751-41701
2. Replaces 751-13570 from 4200396LPW2 4200850LPW3 4200687LPW4.
751-13570 and 751-41701 are not interchangeable

Illustration LP22

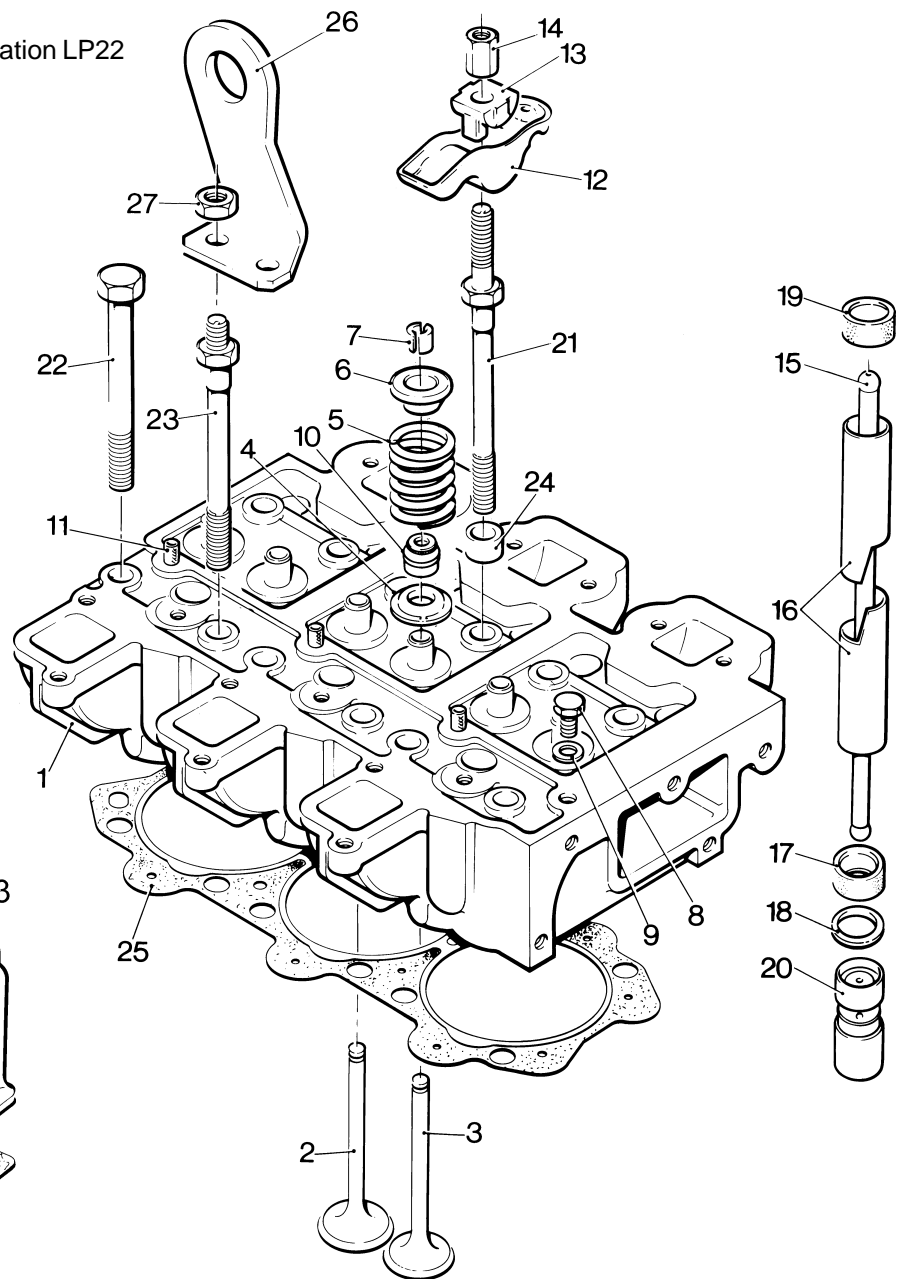


Illustration LP8

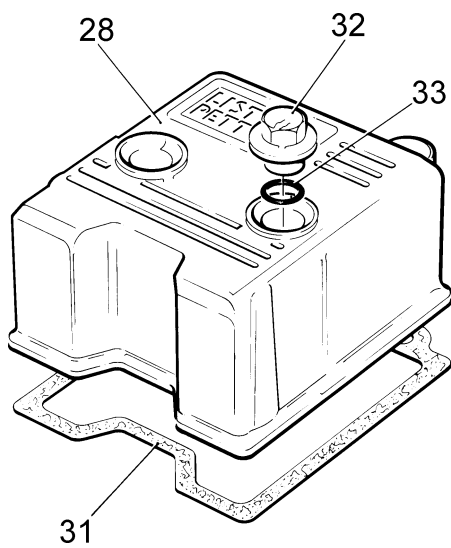


Illustration LP74

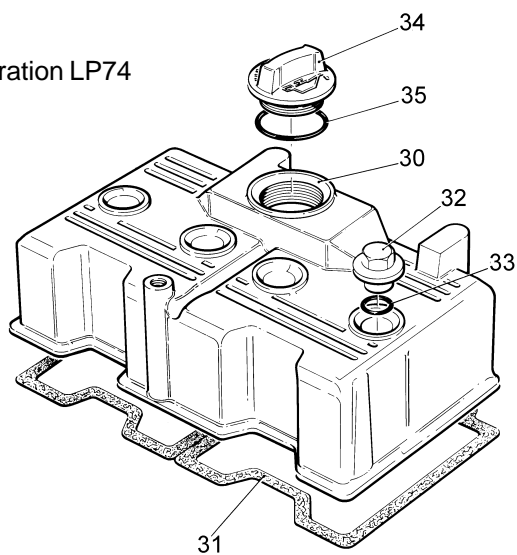


Illustration LP176

Cylinder Head and Cover - LPWS

Cylinder Head - Illustration LP23

Cylinder Head Cover - Illustrations LP8 and LP74

No.	Description	Part Number	LPWS			Remarks
			2	3	4	
-	Cylinder Head Assembly - LPWS2	750-40033	1	-	-	Replaces 750-40032
1	Cylinder Head Assembly - LPWS3	750-40472	-	1	-	Replaces 750-40471
-	Cylinder Head Assembly - LPWS3	750-40473	-	1	-	See Note ³ Builds 01, 02, 51, 76
-	Cylinder Head Assembly - LPWS3	750-40782	-	1	-	Build 11, 76
-	Cylinder Head Assembly - LPWS4	750-40483	-	-	1	Replaces 750-40482 from 4200770LPWS4
-	Cylinder Head Assembly - LPWS4	750-40485	-	-	1	See Note ³ Builds 01, 02, 51, 76, 84, 108
-	Cylinder Head Assembly - LPWS4	750-40793	-	-	1	Build 11, 76, 108
-	Valve Guide	751-10903	4	6	8	Replaces 751-10902 4200770LPWS4 see Note ¹
2	Inlet Valve	751-40550	2	3	4	
3	Exhaust Valve	751-40530	2	3	4	
4	Valve Spring Plate	751-10913	4	6	8	
5	Valve Spring	751-10661	4	6	8	
6	Valve Spring Carrier	751-10672	4	6	8	
7	Valve Cotter	359401	8	12	16	Supplied in pairs
8	Setscrew	272-00166	1	1	1	
9	Washer	616-01608	1	1	1	
10	Valve Stem Shield	751-41701	4	6	8	Replaces 751-13570 see Note ²
11	Breather Tube	751-13110	2	3	4	
-	Cylinder Head Plug Kit	750-40890	1	1	1	
-	Rocker Lever Kit	750-11280	4	6	8	
12	Rocker Lever		4	6	8	
13	Pivot		4	6	8	
14	Nut	272-00003	4	6	8	Replaces 751-12700
15	Push Rod	751-10063	4	6	8	
16	Push Rod Sealing Tube	751-40192	4	6	8	
17	Crankcase Sealing Tube Rubber	201-30261	4	6	8	
18	Washer	751-11810	4	6	8	
19	Head Sealing Tube Rubber	201-42360	4	6	8	
20	Hydraulic Tappet	751-11730	4	6	8	Replaces 751-16720
21	Bolt - Cylinder Head and Rocker	751-40184	4	6	8	Replaces 751-40183
22	Bolt - Cylinder Head	751-40173	2	4	4	Replaces 751-40172
-	Bolt - Cylinder Head	751-40173	1	2	2	Builds 40-47
23	Bolt - Cylinder Head and Lifting Eye	751-40671	2	2	4	Replaces 751-40670
-	Bolt - Cylinder Head and Lifting Eye	751-40671	3	4	6	Builds 40-47
24	Spacer	751-12692	4	6	8	Replaces 751-12691
-	Cylinder Head Gasket - LPWS2 1.47mm	752-40751	1	-	-	
25	Cylinder Head Gasket - LPWS3 1.47mm	753-40891	-	1	-	Replaces 753-40751
-	Cylinder Head Gasket - LPWS4 1.47mm	754-40891	-	-	1	Replaces 754-40751
26	Lifting Eye	751-12570	1	1	2	
27	Nut	272-00003	2	2	4	
28	Rocker Cover	751-10222	2	3	4	
29	Rocker Cover with Oil Filler	757-14211	1	1	1	Builds 40-47. See Code LA
-	Rocker Cover	757-19450	-	1	2	Builds 40-47
30	Joint	751-11073	2	3	4	Replaces 751-11072
31	Nut	751-12710	4	6	8	
32	'O' Ring	201-81200	4	6	8	
33	Oil Filler Cap	751-12670	1	1	1	
34	'O' Ring	751-12680	1	1	1	

Notes:

1. If replacing 751-10902 supply 751-10903 plus valve stem seal 751-41701.
2. 751-13570 and 751-41701 are not interchangeable.
3. Introduced from 1st Nov 1998 for EPA compliant engines. Fitted to LPWS3/4 Builds 01, 02, 51, 76 along with LPWS4 Builds 84 and 108 from that date and not to be fitted to earlier engines.

Illustration LP23

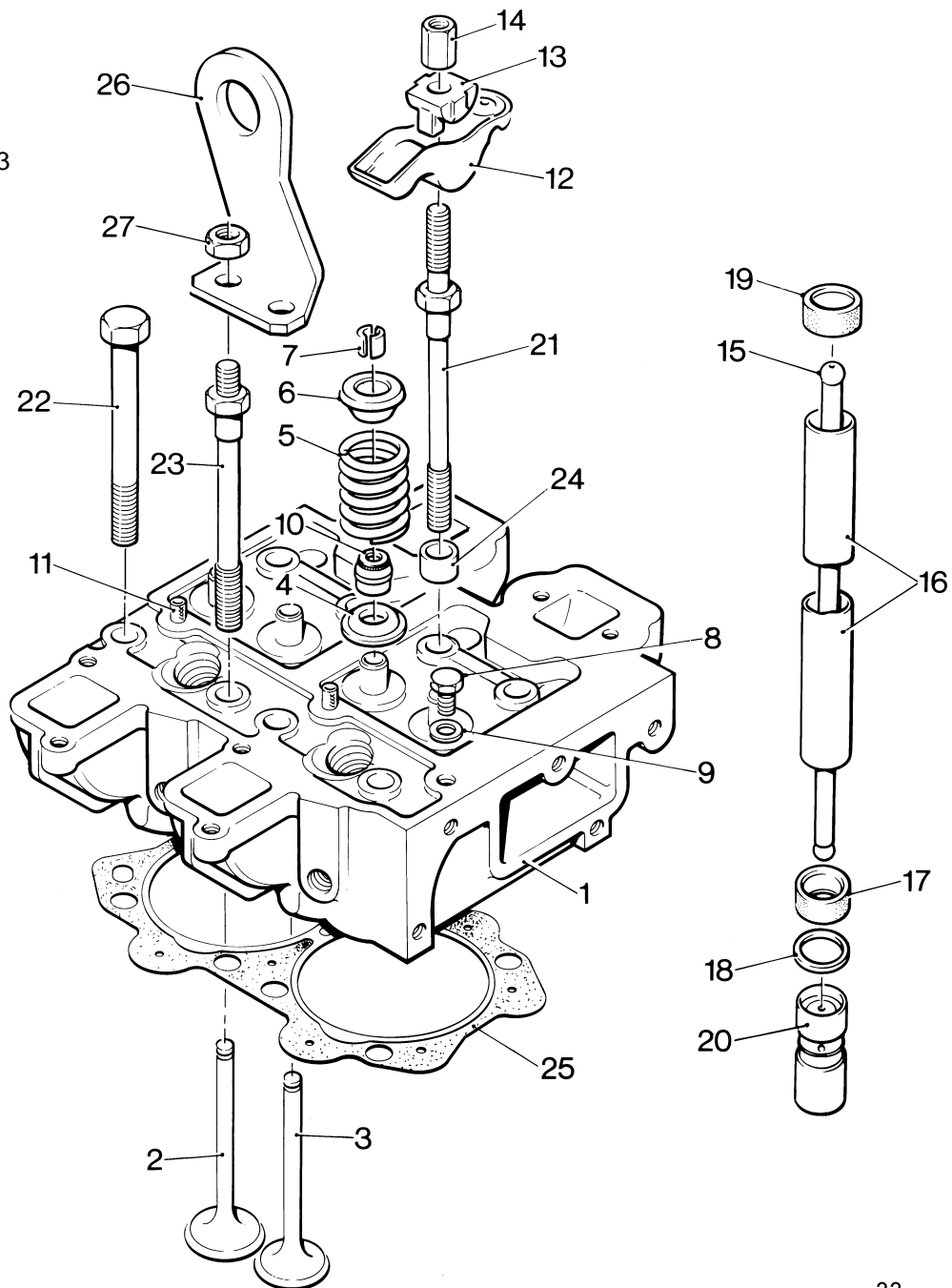


Illustration LP8

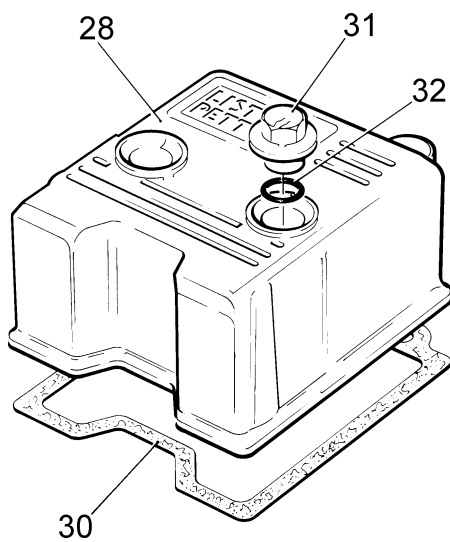
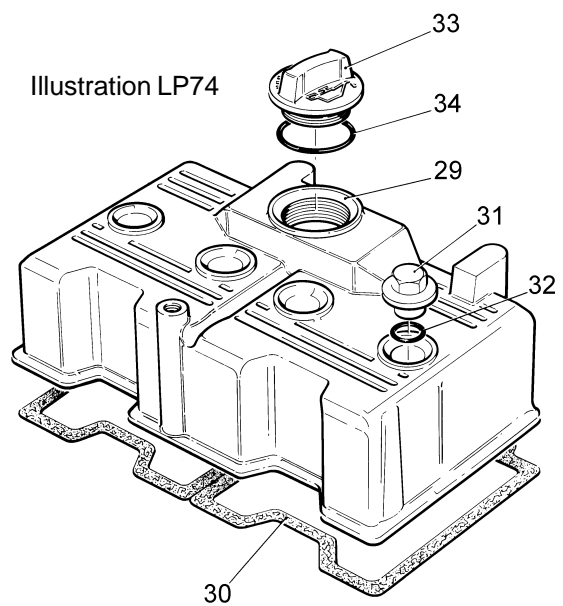


Illustration LP74



Gear End Cover - Isolated Mounting - LPW/S

All Builds except 04 05 75 - Illustration LP14

No. Description

Part Number

LPW/LPWS

2

3

4

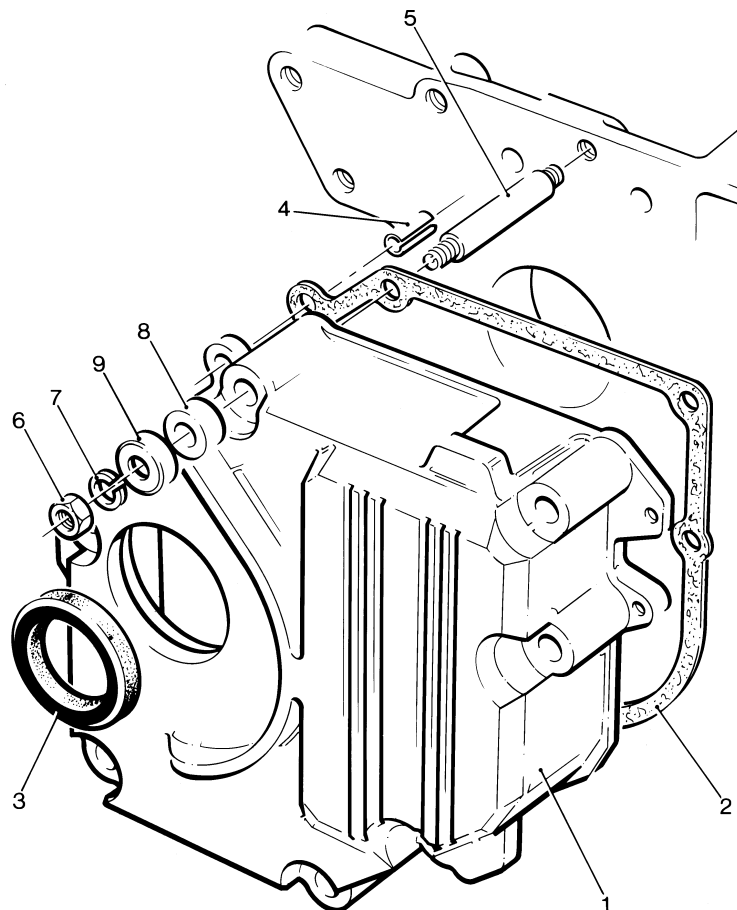
Remarks

1	Gear End Cover	751-10383	1	1	1	Replaces 751-10382. See Note
2	Joint.....	751-12800	1	1	1	
3	Oil Seal	751-10390	1	1	1	
4	Dowel	751-12771	2	2	2	
5	Stud	751-13001	7	7	7	
6	Nut.....	272-00002	7	7	7	
7	Spring Washer	272-00070	7	7	7	
8	Rubber Washer	751-12482	7	7	7	
9	Cup Washer	751-12491	7	7	7	

Note:

751-10383 is no longer available. Can be replaced by solid mounted gear cover 751-10384 plus all parts shown in 'Gear End Cover - Solid Mounting' section.

Illustration LP14



Gear End Cover - Solid Mounting

All Builds except 04, 05, 75

Illustration LP156

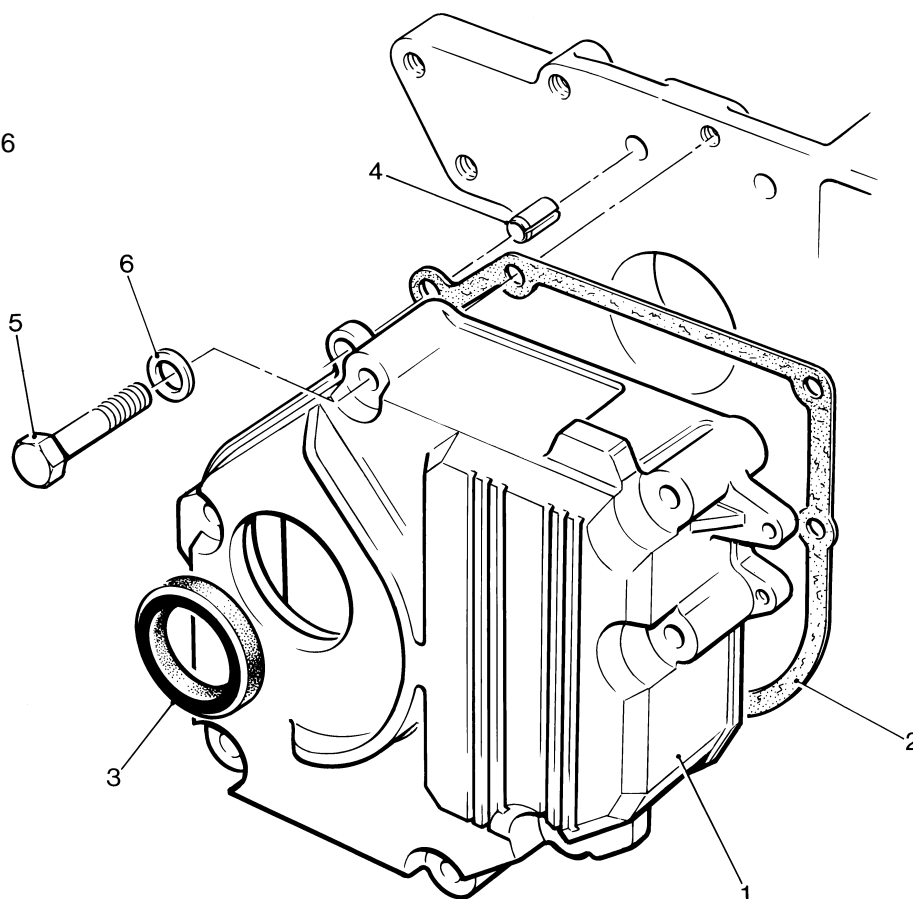
No. Description

LPW/S/T

Part Number 2 3 4 Remarks

1	Gear End Cover	751-10384	1	1	1	Replaces 751-10385
-	Gear End Cover	751-13671	1	1	1	Marine Builds except Build 47
-	Gear End Cover - LPW2,4	751-14422	1	-	1	Builds 71, 72
-	Gear End Cover - LPW2,3	751-14423	1	1	-	Build 173,
2	Joint.....	751-11222	1	1	1	
3	Oil Seal	751-10390	1	1	1	
4	Dowel	751-12771	2	2	2	
5	Setscrew - M6 x 50mm	272-00180	7	7	7	
6	Washer	272-00364	7	7	7	
-	Blanking Plate	751-13690	1	1	1	Marine Builds except Build 47
-	Joint.....	751-13700	1	1	1	Marine Builds except Build 47
-	Screw	272-00032	4	4	4	Marine Builds except Build 47

Illustration LP156



Gear End Cover - Hydraulic Pump

Builds 04, 05, 75 - Illustration LP16

No. Description

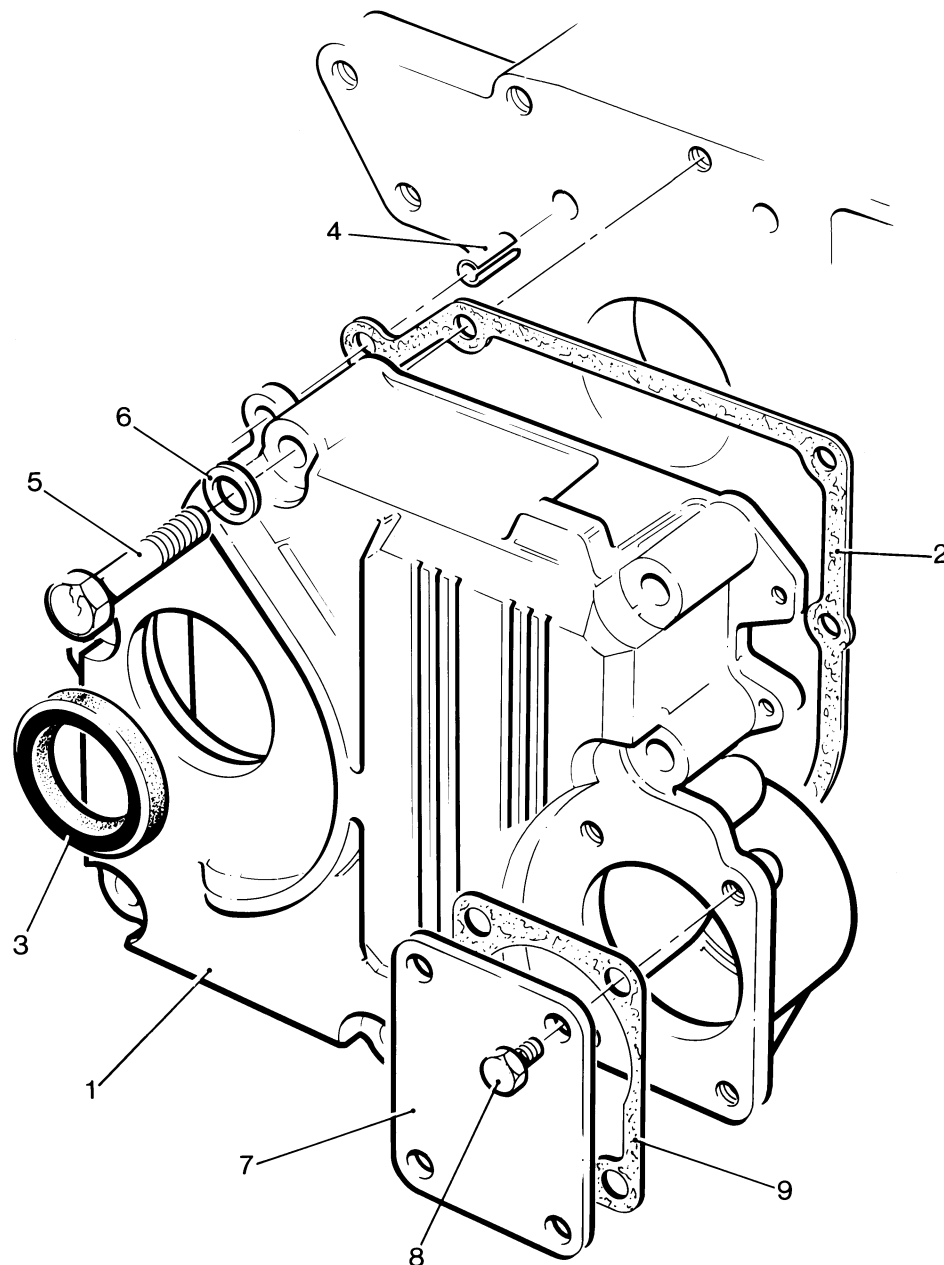
Part Number

LPW/S/T

2 3 4 Remarks

1	End Cover	751-13142	1	1	1	Replaces 751-13141
2	Joint	751-11222	1	1	1	
3	Oil Seal	751-10390	1	1	1	
4	Dowel	751-12771	2	2	2	
5	Bolt - M6 x 50mm	272-00180	7	7	7	
6	Washer	272-00364	7	7	7	
7	Blanking Plate	751-13150	1	1	1	
8	Setscrew - M6 x 12mm	272-00032	4	4	4	
9	Joint	751-13160	1	1	1	

Illustration LP16



Fuel Lift Pump - AC Delco

Illustration LP101

No. Description

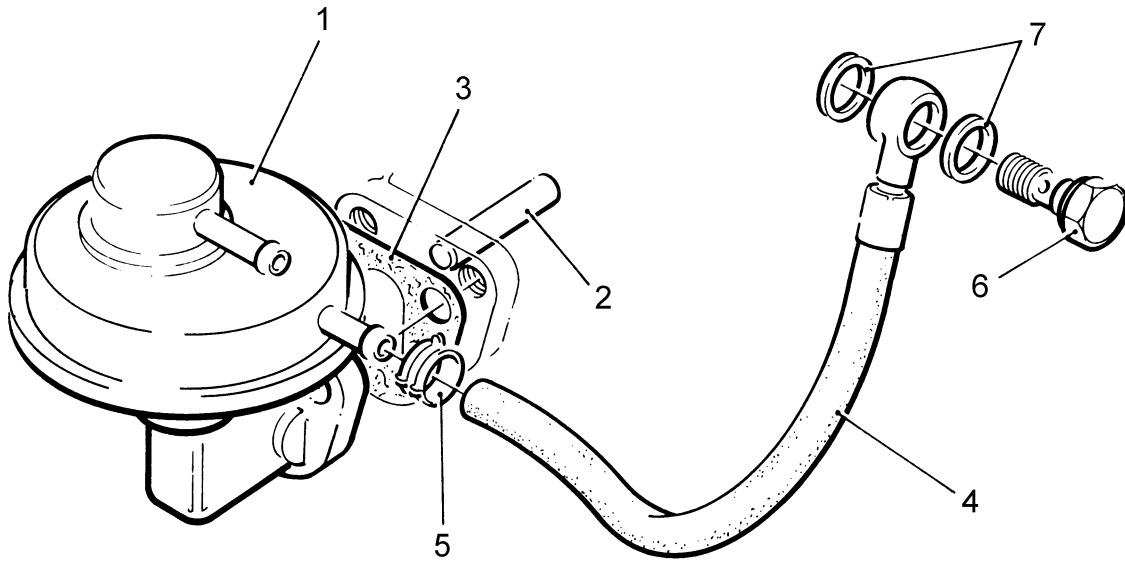
 Part Number LPW/LPWS
 2 3 4 Remarks

1	Fuel Lift Pump	757-14171	1	1	1	See Note
2	Push Rod	751-12330	1	1	1	
3	Joint.....	751-11761	1	1	1	
4	Flexible Fuel Pipe	757-12211	1	1	1	
5	Hose Clip	751-13390	1	1	1	
6	Swivel Union Plug	201-15400	1	1	1	
7	Oil Seal	031-61533	2	2	2	

Note:

Replaced by Corona Pump 757-14175 plus items 8, 9, 10 shown in 'Fuel Lift Pump - Corona' section.

Illustration LP101



Fuel Lift Pump - Pienne

Illustration LP120

No. Description

LPW/LPWS

Part Number

2

3

4

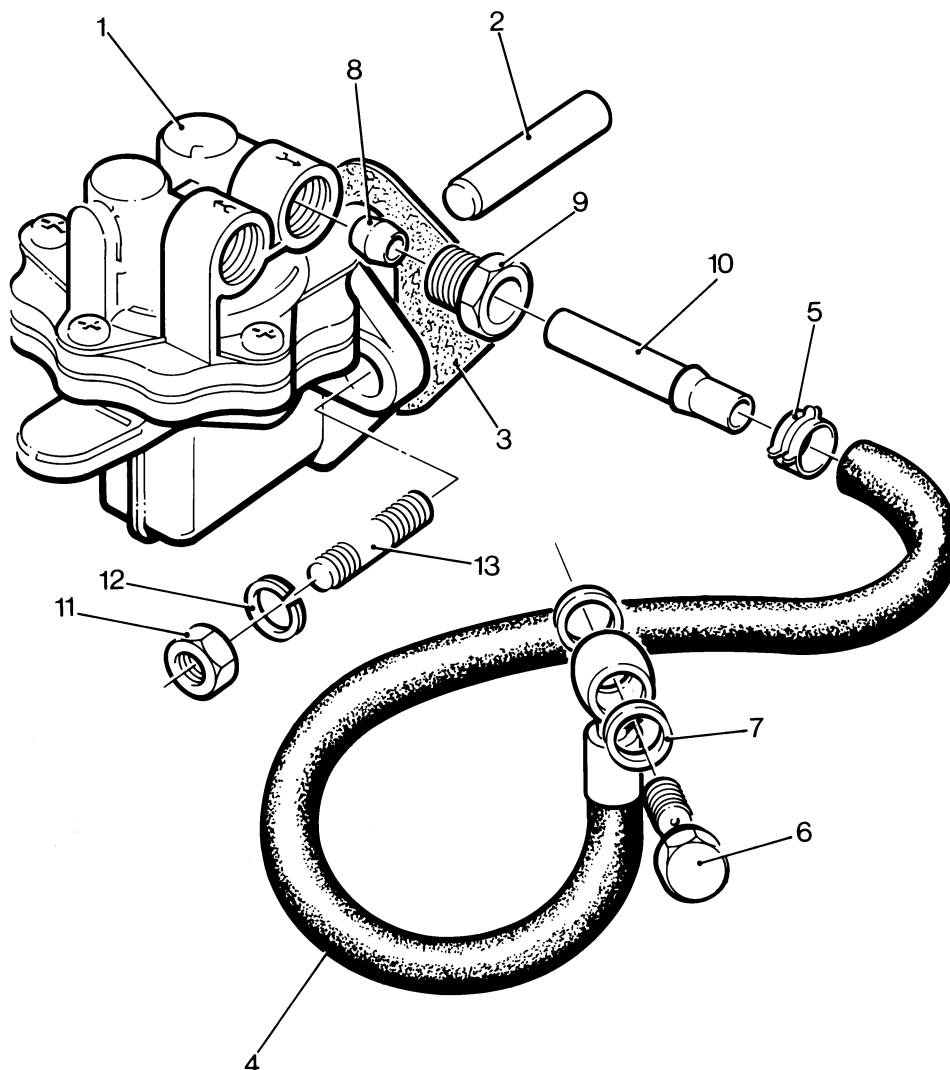
Remarks

1	Fuel Lift Pump	757-14173	1	1	1	See Note
-	Repair Kit	027-07897	1	1	1	
2	Push Rod	751-12330	1	1	1	
3	Joint	751-11761	1	1	1	
4	Flexible Fuel Pipe	757-12211	1	1	1	
-	Flexible Fuel Pipe	757-17830	1	1	1	Builds 81, 82, 83
-	Steel Fuel Pipe	751-14760	1	1	1	Marine Builds
-	Tube Nut	202-42371	1	1	1	Marine Builds
-	Olive	351-21640	1	1	1	Marine Builds
5	Hose Clip	751-13390	1	1	1	Not used on Builds 81, 82, 83
6	Swivel Union Plug	201-15400	1	1	1	
7	Oil Seal	031-61533	2	2	2	
8	Olive	601-38360	2	2	2	
9	Tube Nut	202-42370	2	2	2	
10	Stem	365312	2	2	2	
11	Nut	272-00680	2	2	2	
12	Spring Washer	272-00071	2	2	2	
13	Stud - M8 x 25mm	272-00054	2	2	2	

Note:

Replaced by Corona Pump 757-14175.

Illustration LP120



Fuel Lift Pump - Corona

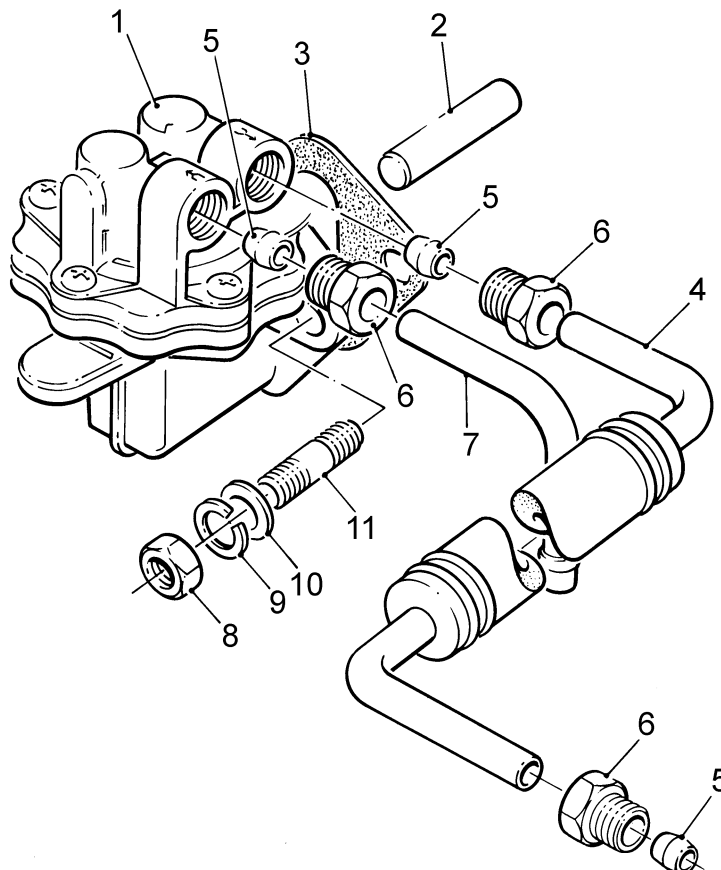
Illustration LP178

No.	Description	Part Number	LPW/S/T			Remarks
			2	3	4	
1	Fuel Lift Pump	757-14175	1	1	1	See Note
-	Repair Kit	027-10041	1	1	1	
2	Push Rod	751-12330	1	1	1	
3	Joint	751-11761	1	1	1	
4	Flexible Fuel Pipe	750-42690	1	1	1	Replaces 757-12211
-	Steel Fuel Pipe	751-14760	1	1	1	Build 48
-	Fuel Pipe - LPWS4	751-17400	-	-	1	Build 70
-	Hose Clip - LPWS4	751-13390	-	-	2	Builds 70, 109
-	Flexible Fuel Pipe	757-12211	1	-	1	Build 102, 109
-	Fuel Pipe - LPWT4	750-42691	-	-	1	Build 78
-	Seal	031-61533	2	2	2	Build 48
-	Union Plug	201-15400	1	1	1	Build 48
-	Connector	365312	1	-	-	Build 102
5	Olive	601-38360	3	3	3	
6	Tube Nut	202-42370	3	3	3	
7	Stem	754-44290	1	1	1	Not Builds 34, 37, 38, 81, 82, 83. Replaces 365312
8	Nut	272-00680	2	2	2	
9	Spring Washer	272-00360	2	2	2	
-	Spring Washer - LPW4/T4	272-00071	-	-	2	
10	Washer	272-00715	2	2	2	
11	Stud	272-00306	2	2	2	

Note:

On earlier engines, the Corona Pump was used with fittings shown in Illustration LP120 ('Fuel Lift Pump - Pienne' section).

Illustration LP178

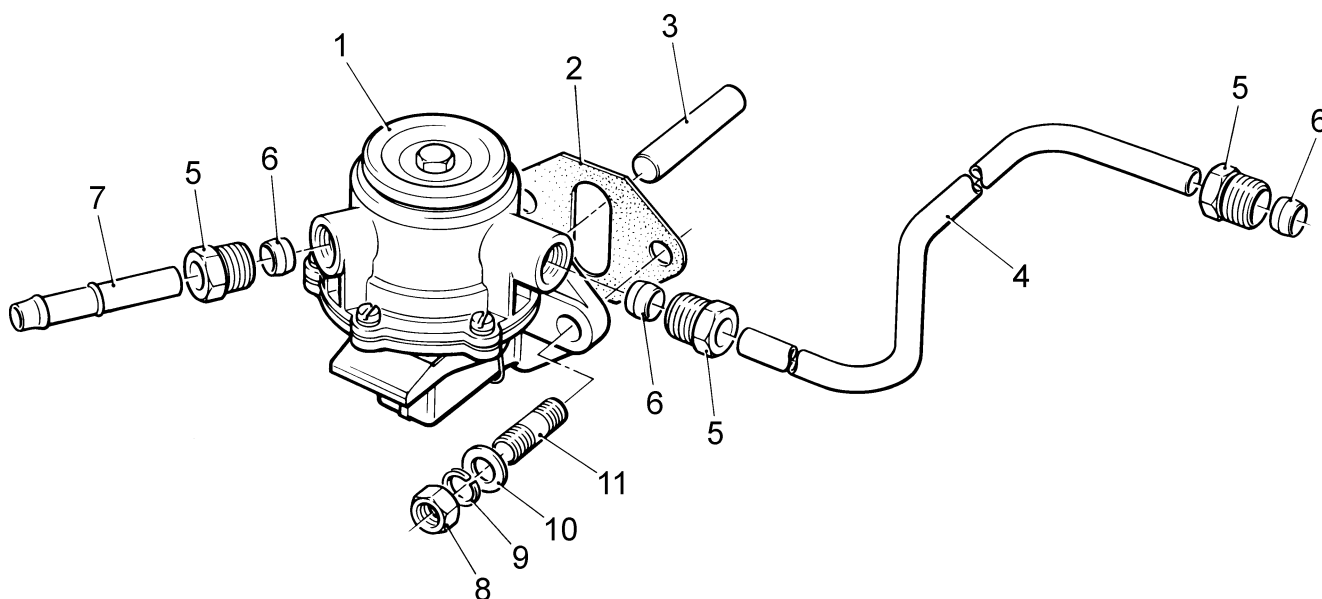


Fuel Lift Pump - Marine

Illustration LP175

No.	Description	Part Number	LPW/S/T			Remarks
			2	3	4	
1	Fuel Lift Pump	757-14176	1	1	1	
-	Fuel Lift Pump	757-14175	1	1	1	Early Type
2	Joint.....	751-11761	1	1	1	
3	Push Rod	751-12330	1	1	1	
4	Fuel Pipe	751-60083	1	1	1	
-	Fuel Pipe	751-60080	1	1	1	Early Type
-	Fuel Pipe - LPWT4	751-60270	-	-	1	
5	Tube Nut.....	202-42371	3	3	3	
6	Olive	351-21640	3	3	3	
7	Stem	751-60090	1	1	1	
8	Nut.....	272-00680	2	2	2	
-	Extended Nut - LPWT4	751-41180	-	-	2	
9	Spring Washer	272-00360	2	2	2	
10	Washer	272-00715	2	2	2	
11	Stud.....	272-00306	2	2	2	

Illustration LP175



Fuel Pump

Illustration LP179

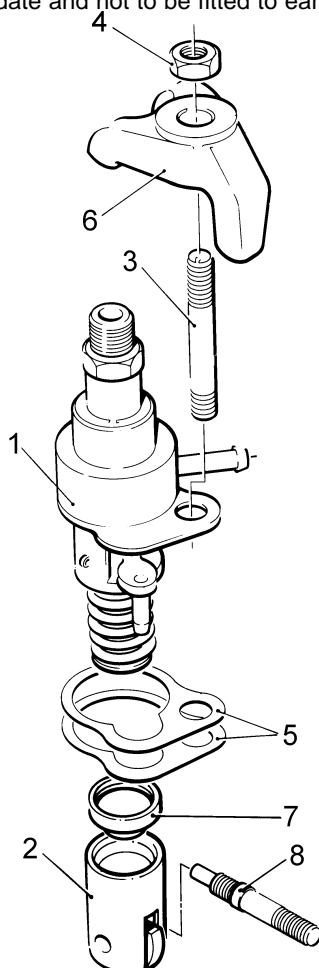
No.	Description	Part Number	LPW/S/T			Remarks
			2	3	4	
1	Fuel Pump - LPW	751-41323	2	3	4	Replaces all previous
-	Fuel Pump Assembly - LPW	750-14280	2	3	4	Builds 40, 41, 42, 44, 45, 46, 47 See Note ¹
-	Fuel Pump - LPW	751-41175	2	-	4	Builds 71, 72
-	Fuel Pump - LPWS	751-41263	2	3	4	Replaces all previous
-	Fuel Pump - LPWS	751-41262	-	3	4	See Note ⁴
-	Fuel Pump Assembly - LPWS	750-41510	2	3	4	Builds 40, 41, 42, 44, 45, 46, 47 See Note ²
-	Fuel Pump - LPW2,3/LPWT4	754-43730	2	3	4	LPW2 Build 173. LPW3 Build 177
-	Fuel Pump Assembly - LPWT4	750-63420	-	-	4	Builds 40, 41, 42, 43, 44, 46 See Note ³
2	Tappet Assembly	750-11873	2	3	4	Replaces 751-12110 and 750-11872
3	Stud	272-00630	2	3	4	
4	Nut	751-11460	2	3	4	
5	Fuel Pump Shim Kit	750-11330				Contains one of each shim
-	Shim (green) - 0.075mm	751-12840				
-	Shim (slate blue) - 0.125mm	751-12841				
-	Shim (black) - 0.250mm	751-12842				
6	Clamp	751-11722	2	3	4	
7	Thrust Cup	751-13311	2	3	4	
8	Shouldered Stud	751-14730	2	3	4	

Note:

Current Fuel Pumps are Stanadyne or Lucas Dizel and replace all previous OMAP and Bryce Pumps.

1. Comprises Pump 751-41323 plus Adaptor 751-16911 and Sealing Washer 291-25630.
2. Comprises Pump 751-41263 plus Adaptor 751-16911 and Sealing Washer 291-25630.
3. Comprises Pump 754-43730 plus Adaptor 751-16911 and Sealing Washer 291-25630.
4. Introduced from 1st Nov 1998 for EPA compliant engines. Fitted to LPWS3/4 Builds 01, 02, 51, 76 along with LPWS4 Builds 84 and 108 from that date and not to be fitted to earlier engines.

Illustration LP179



Fuel Filter - LPW/S (Early Type)

Illustration LP180

No. Description

LPW/LPWS

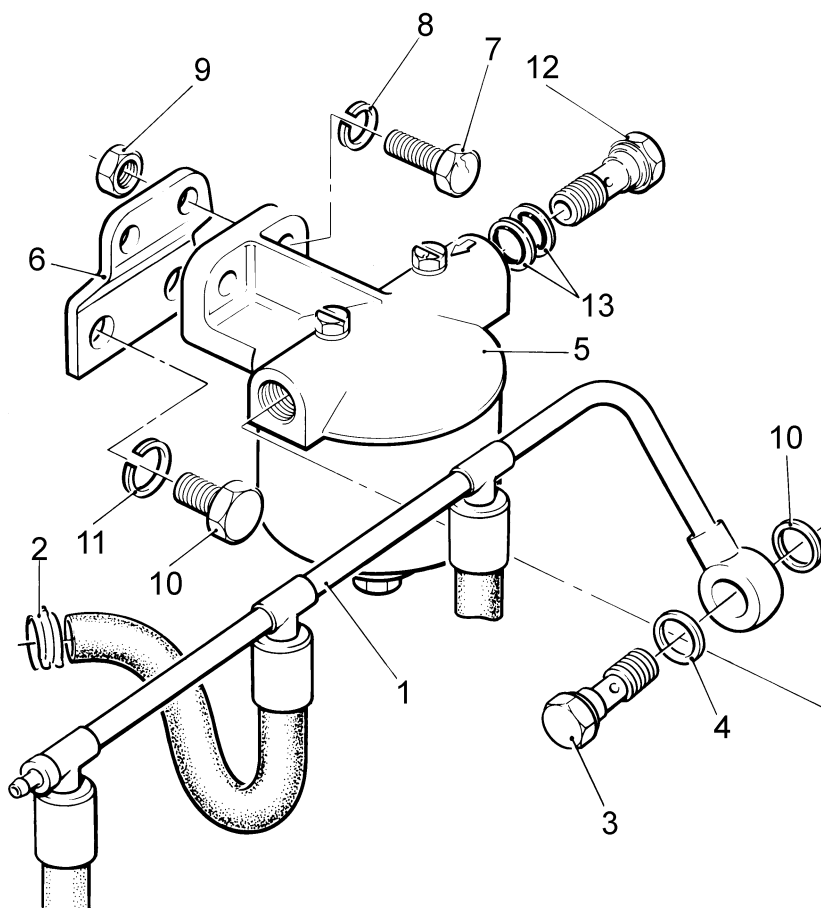
Part Number 2 3 4 Remarks

-	Fuel Pipe - LPW/S2	757-18791	1	-	-	Replaces 752-12343 see Note:
1	Fuel Pipe - LPW/S3	757-18801	-	1	-	Replaces 753-12343 see Note:
-	Fuel Pipe - LPW/S4	757-18811	-	-	1	Replaces 754-12343 see Note:
-	Fuel Pipe - LPWS4	754-14211	-	-	1	Build 70. Replaces 754-14210
-	Fuel Pipe - LPW4	757-21790	-	-	1	Build 109
2	Hose Band	751-15210	2	3	4	Replaces 751-13390
-	Hose Clip	751-13390	-	-	2	LPW4 Build 109
3	Swivel Union Plug	201-15400	1	1	1	
4	Oil Seal	031-61533	2	2	2	
5	Fuel Filter	284359	1	1	1	
-	Element	201-13118	1	1	1	
6	Mounting Bracket	751-16620	1	1	1	Replaces 751-12151
-	Mounting Bracket	751-12151	-	-	1	Build 109
7	Setscrew - M6 x 20mm	272-00117	2	2	2	
8	Spring Washer	272-00070	2	2	2	
9	Nut	272-00002	2	2	2	
10	Setscrew - M8 x 14mm	272-00037	2	2	2	
-	Setscrew - M8 x 25mm	272-00040	2	2	2	
11	Spring Washer	272-00071	2	2	2	
12	Swivel Union Plug	201-15400	1	1	1	
13	Oil Seal	031-61533	2	2	2	
-	Tube	751-15160	-	-	1	Build 109
-	Distance Piece	366-03663	-	-	1	Build 109

Note:

Bracket 751-16620 must also be fitted if fuel pipes 752-12343, 753-12343 or 754-12343 are being replaced by the later type.

Illustration LP180



Fuel Agglomerator - LPW/S (Early Type)

Illustration LP102

No. Description

LPW/LPWS

Part Number

2

3

4

Remarks

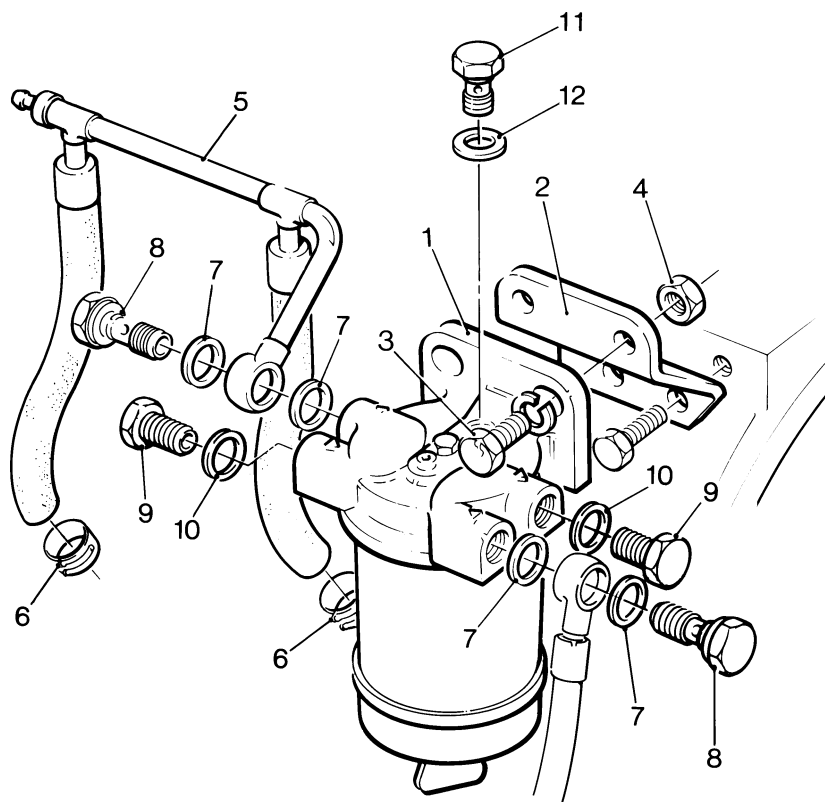
	Former Accessory Kit Code FE	750-13000	1	1	1	High level. No's 1-4 & 7-12
	Former Accessory Kit Code FF	750-13010	1	1	1	Low level. No's 1-4, & 7-12
1	Fuel Agglomerator	366-07180	1	1	1	
-	Element	351-29760	1	1	1	
2	Mounting Bracket	757-14393	1	1	1	Used when in high position
-	Mounting Bracket	757-14394	1	1	1	Used when in low position
3	Set screw - M8 x 20mm	272-00665	2	2	2	
4	Nut	272-00680	2	2	2	
-	Fuel Pipe - LPW/LPWS2	757-18791	1	-	-	Replaces 752-12343. Not part of kit. See Note
5	Fuel Pipe - LPW/LPWS3	757-18801	-	1	-	Replaces 753-12343. Not part of kit. See Note
-	Fuel Pipe - LPW/LPWS4	757-18811	-	-	1	Replaces 754-12343. Not part of kit. See Note
6	Hose Band	751-15210	2	3	4	Replaces 751-13390. Not part of Kit
7	Oil Seal	031-61533	4	4	4	
8	Swivel Union Plug	354-28630	2	2	2	
9	Blanking Plug	354-28530	2	2	2	
10	Copper Washer	201-41640	2	2	2	
11	Vent Plug	352-28740	1	1	1	
12	Copper Washer	354-26310	1	1	1	

Note:

Bracket 757-14393 or 757-14394 must also be fitted if fuel pipes

752-12343, 753-12343 or 754-12343 are being replaced by the later type.

Illustration LP102



Fuel Agglomerator (Later Type)

Illustration LP185

No.	Description	Part Number	LPW/S/T			Remarks
			2	3	4	
1	Fuel Agglomerator	750-14120	1	1	1	Replaces 757-21110
-	Element	751-18100	1	1	1	Replaces 757-21370
2	Bracket	751-17760	1	1	1	
-	Bracket	757-60300	1	1	1	Marine Builds
-	Bracket	751-18711	1	-	1	Build 74, 177
-	Bracket - LPWT4	751-18710	-	-	1	Build 74
-	Bracket - LPWT4	751-17761	-	-	1	Not Build 84
-	Bracket - LPWT4	751-19500	-	-	1	Build 78
-	Steady Bracket - LPWT4	751-19140	-	-	1	Build 84. Replaces 754-44970
-	Support Bracket - LPWT4	751-19170	-	-	1	Build 84. Replaces 754-44820
3	Screw	272-00665	2	2	2	
4	Spring Washer	272-00360	2	2	2	
5	Screw	272-00697	2	2	2	
6	Washer	272-00694	6	6	6	
7	Nut	272-00681	2	2	2	
8	Plug	272-00370	1	1	1	
9	Copper Washer	354-26310	1	1	1	
10	Tube Nut	202-42370	3	3	3	Replaces Plug 354-28530
11	Sealing Ball	202-32120	2	2	2	Replaces Washer 201-41640
12	Tube Nut	202-42371	1	1	1	
13	Olive	601-38360	1	1	1	
-	Fuel Pipe - LPW/S2	752-17740	1	-	-	Not Marine Builds. See Note
14	Fuel Pipe - LPW/S3	753-17740	-	1	-	Not Marine Builds. See Note
-	Fuel Pipe - LPW/S/T4	754-17740	-	-	1	Not Marine Builds. See Note
-	Fuel Pipe - LPWT4	754-44840	-	-	1	Build 84
-	Pipe Fastener - LPWT4	027-10017	-	-	2	Build 78
-	Screw - LPWT4	272-00388	-	-	2	Build 78
-	Pipe Bracket	751-17910	-	-	2	Build 78
-	Clamp Bracket	757-13670	-	-	2	Build 78
15	Hose Band	751-15210	2	3	4	Not Marine Builds
16	Olive	351-21640	1	1	1	

Note:

For Marine Fuel Pipes, see - 'Fuel Injector and Pipes - LPW & LPWT4 Marine'
 'Fuel Injector and Pipes - LPWS Marine'

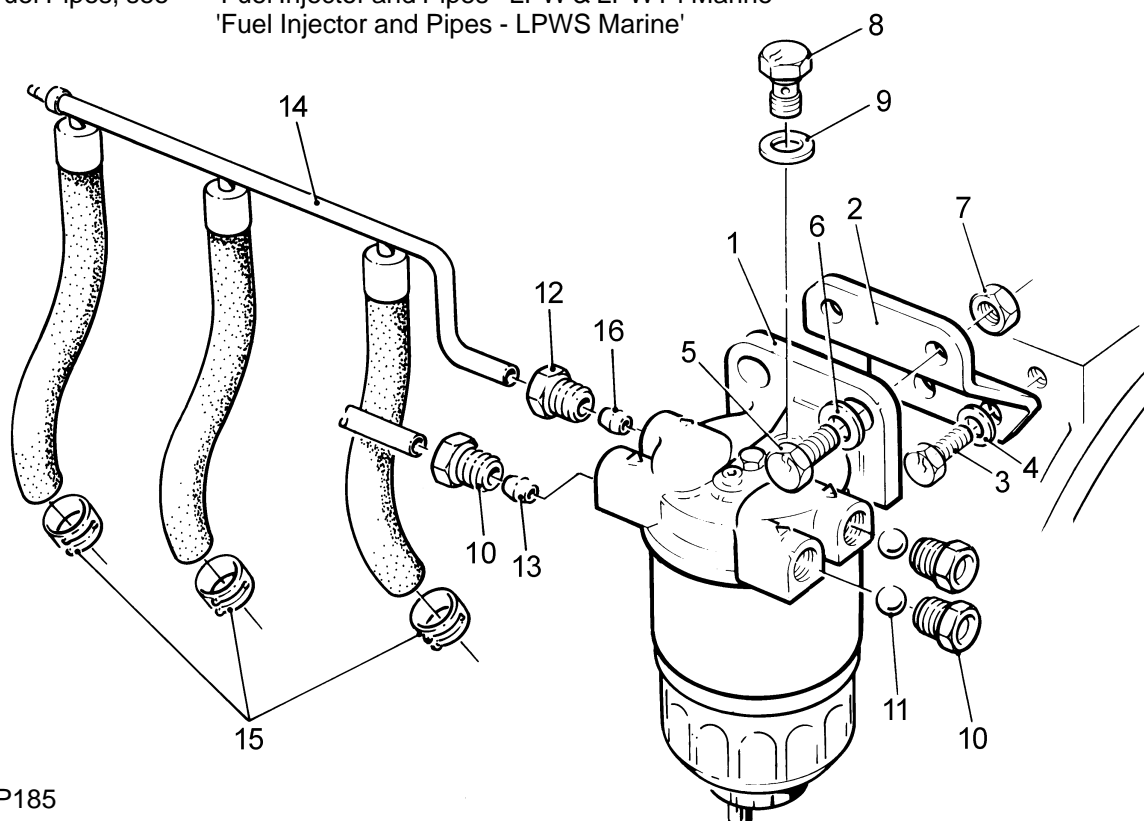


Illustration LP185

Fuel Agglomerator - LPWS4 Build 70

Fittings for Remote Mounted Agglomerator

Not Illustrated No. Description	Part Number	LPWS			Remarks
		2	3	4	
1 Connector	365312	-	-	1	
2 Pipe	751-16020	-	-	1	
3 Hose Clip	751-13390	-	-	2	
4 Connection	751-18590	-	-	1	
5 Tubing Sleeve	751-18600	-	-	2	
6 Tubing Nut	751-18610	-	-	2	
7 Stem	751-18620	-	-	1	
8 Bracket	751-18630	-	-	1	
9 Bolt - M6 x 35mm	272-00719	-	-	1	
10 Nut - M6	272-00679	-	-	1	
11 Spring Washer	786378	-	-	1	
12 Clamp Bracket	757-13670	-	-	1	
13 Pipe Bracket	751-17910	-	-	1	
14 Capscrew - M6 x 30mm	272-00388	-	-	1	
15 Pipe Fastener	027-10017	-	-	1	
16 Spring Washer - M8	272-00360	-	-	1	
17 Screw - M8 x 20mm	272-00665	-	-	1	

Remote Fuel Agglomerator Fitting Kit - LPWT4 Marine

Not Illustrated Description	Part Number	LPWT			Remarks
		2	3	4	
Accessory Kit Code MFG	750-63710	-	-	1	
Union	202-42371	-	-	4	
Olive	351-21640	-	-	4	
Stem	751-60090	-	-	4	
Fuel Hose	757-61791	-	-	2	
Joint Block	757-62380	-	-	1	
Bolt - M6 x 35mm	272-00719	-	-	1	
Nut - M6	272-00679	-	-	1	
Spring Washer	786378	-	-	1	
Bracket	751-18630	-	-	1	
Screw - M8 x 20mm	272-00665	-	-	1	
Spring Washer - M8	272-00360	-	-	1	
Hose Clamp	027-10094	-	-	4	

Fuel Injector and Pipes - LPW & LPWT4

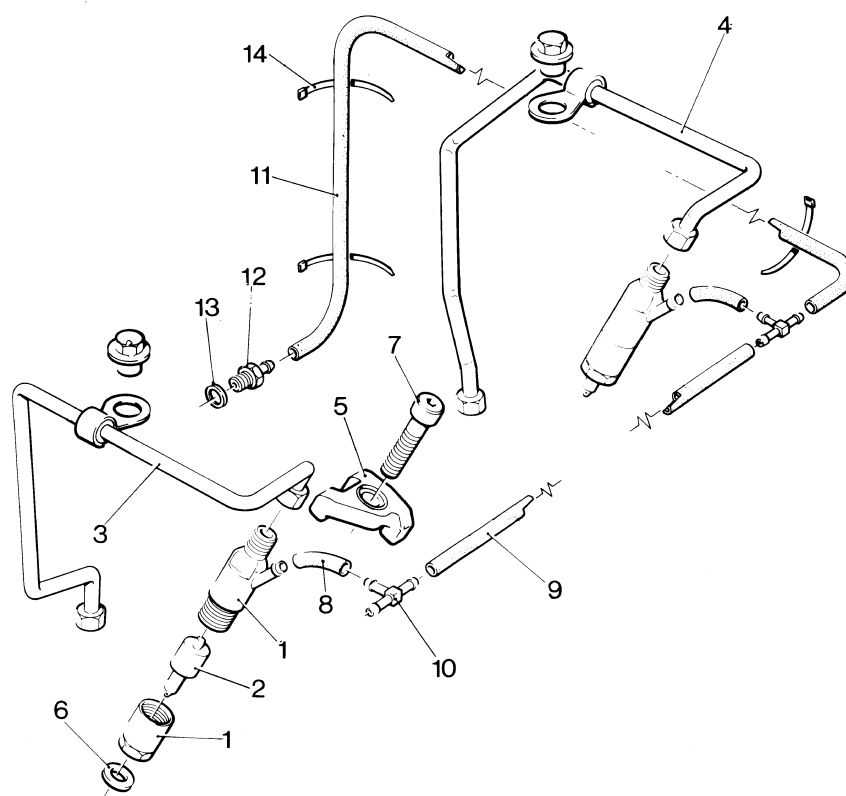
Illustration LP12B

No.	Description	Part Number	LPW/T			Remarks
			2	3	4	
1	Fuel Injector	751-15882	2	3	4	Replaces all previous
-	Fuel Injector	751-17601	-	-	4	Build 18
2	Nozzle	751-15871	2	3	4	Replaces all previous
-	Fuel Injector - LPWT4	754-43710	-	-	4	Builds 07, 08, 34, 35, 36, 57, 58, 81
-	Nozzle - LPWT4	754-43720	-	-	4	Builds 07, 08, 34, 35, 36, 57, 58, 81
3	Fuel Pipe Assembly - flywheel end and centre	751-10244	1	2	3	Replaces 751-10243
4	Fuel Pipe Assembly - gear end	751-14780	1	1	1	Replaces 751-40771
-	Fuel Pipe Assembly	757-26030	-	-	1	Build 109
-	Hose Clip	751-15210	-	-	4	Build 109
-	Swivel Union Plug	201-15400	-	-	1	Build 109
-	Seal	031-61533	-	-	2	Build 109
5	Injector Clamp	751-10580	2	3	4	
6	Washer	201-45070	2	3	4	
7	Cap Head Screw - M8 x 40mm	272-00345	2	3	4	Replaces Bolt 751-12530 (See Note)
8	Leak-off Pipe	751-18740	2	3	4	Replaces 751-12230
9	Leak-off Pipe	751-18160	1	2	3	Replaces 751-12240
10	Tee Piece	751-13100	2	3	4	
11	Hose	751-18750	1	1	1	Replaces 757-15710
-	Hose - LPW2,4	751-18170	1	-	1	Builds 71, 72
-	Hose - LPW2	751-18700	1	-	-	Builds 71, 72
-	Hose - LPW4	751-18720	-	-	1	Builds 71, 72
12	Self-bleed Union	757-15700	1	1	1	
13	Copper Washer	291-25630	1	1	1	
14	Cable Tie	064-32790/001	3	3	3	

Note

Fit Cap Head Screw 272-00345 with modified Injector Clamp

Illustration LP12B



Fuel Injector and Pipes - LPWS

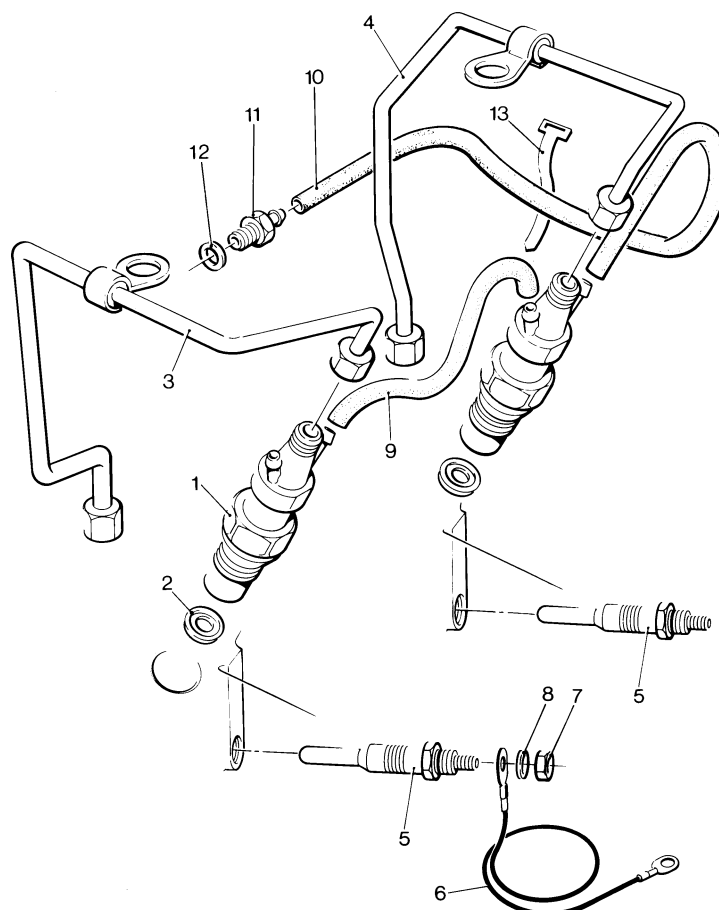
Illustration LP17

No.	Description	Part Number	LPWS			Remarks
			2	3	4	
1	Fuel Injector	751-40760	2	3	4	Replaces all previous
-	Nozzle	751-40860	2	3	4	Replaces 751-15870
-	Fuel Injector	751-17111	-	3	4	See Note
-	Nozzle	751-17281	-	3	4	See Note
2	Washer	751-40630	2	3	4	
-	Washer	201-45070	-	3	4	See Note
3	Fuel Pipe Assembly - flywheel end and centre	751-40611	1	2	3	
-	Fuel Pipe Assembly - flywheel end and centre	751-40612	1	2	3	Builds 07, 08, 18, 57, 58, 59
4	Fuel Pipe Assembly - gear end	751-41101	1	1	1	Replaces 751-40791
-	Fuel Pipe Assembly - gear end	751-41100	1	1	1	Builds 07, 08, 18, 57, 58, 59
5	Glow Plug	751-40620	2	3	4	
6	Cable Link	751-40810	1	2	3	
7	Nut	272-00611	2	3	4	
8	Washer	272-00687	2	3	4	Replaces 272-00610
9	Hose	751-18760	1	2	3	Replaces 751-41230 & 202-42480
10	Hose	751-18750	1	1	1	Replaces 757-15710
-	Hose	751-18160	-	-	3	Build 108
-	Hose	751-18170	-	-	3	Build 108
11	Self-bleed Union	757-15700	1	1	1	
12	Copper Washer	291-25630	1	1	1	
13	Cable Tie	064-32790/001	3	3	3	

Note:

1. Introduced from 1st Nov 1998 for EPA compliant engines. Fitted to LPWS3/4 Builds 01, 02, 51, 76 along with LPWS4 Builds 84 and 108 from that date and not to be fitted to earlier engines.

Illustration LP17



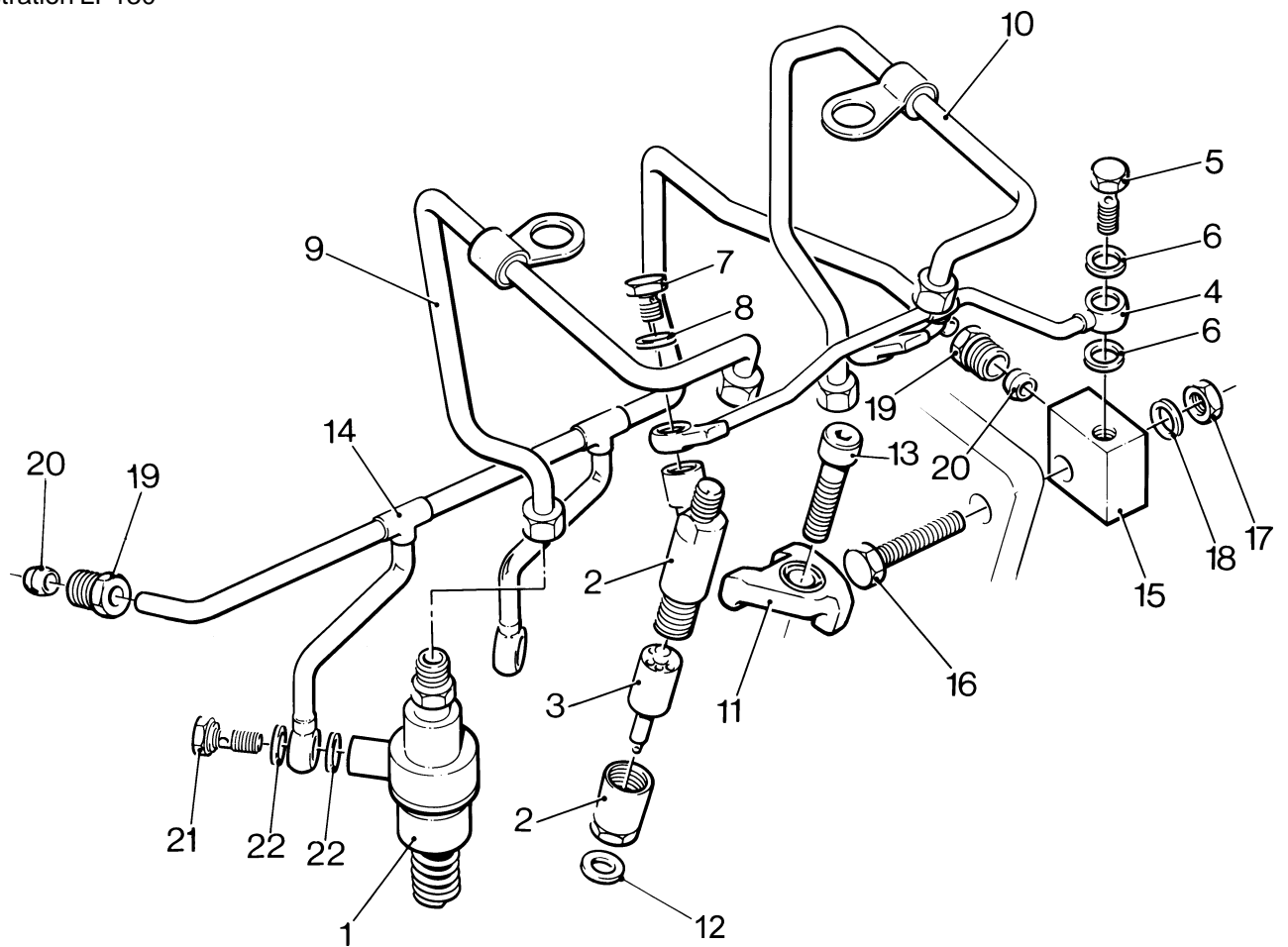
Fuel Injector and Pipes - LPW & LPWT4 Marine

Illustration LP130			LPW/T			
No.	Description	Part Number	2	3	4	Remarks
1	Fuel Pump	750-14280	2	3	4	Replaces all previous
-	Fuel Pump - LPWT4	750-63420	-	-	4	
2	Fuel Injector	751-41351	2	3	4	Replaces all previous
3	Nozzle	751-15871	2	3	4	Replaces all previous
-	Fuel Injector - LPWT4	754-43711	-	-	4	Builds 41, 43, 44
-	Nozzle - LPWT4	754-43720	-	-	4	Builds 41, 43, 44
4	Leak-off Pipe - LPW2	752-14831	1	-	-	Replaces 752-14830 from 4000030LPW2
-	Leak-off Pipe - LPW3	753-14831	-	1	-	Replaces 753-14830 from 4000076LPW3
-	Leak-off Pipe - LPW4	754-14831	-	-	1	Replaces 754-14830 from 4000079LPW4
5	Swivel Union Plug	601-31011	1	1	1	
6	Seal	270-00475	2	2	3	
7	Swivel Union Plug	601-36100	2	3	4	
8	Copper Washer	352-29370	4	6	8	
9	Fuel Pipe	751-10244	1	2	3	
10	Fuel Pipe	751-14780	1	1	1	
11	Clamp	751-10580	2	3	4	
12	Washer	201-45070	2	3	4	
13	Cap Head Screw - M8 x 40mm	272-00345	2	3	4	Replaces Bolt 751-12530 (Not Compatible)
14	Fuel Pipe - LPW2	752-60070	1	-	-	
-	Fuel Pipe - LPW2	752-14750	1	-	-	Early engines
-	Fuel Pipe - LPW3	753-60070	-	1	-	
-	Fuel Pipe - LPW3	753-60073	-	1	-	Replaces 753-14750. Build 48
-	Fuel Pipe - LPW3	753-14750	-	1	-	Early engines
-	Fuel Pipe - LPW4	754-60070	-	-	1	
-	Fuel Pipe - LPW4	754-60073	-	-	1	Replaces 754-14750. Build 48
-	Fuel Pipe - LPW4	754-14750	-	-	1	Early engines
-	Fuel Pipe - LPWT4	754-60072	-	-	1	
15	Manifold Block	751-60031	1	1	1	
-	Manifold Block	751-13920	1	1	1	Build 48 and early engines
-	Manifold Block - LPW/T4	751-60250	-	-	1	Build 48
16	Bolt - M8 x 20mm	272-00716	1	1	1	
17	Nut	272-00680	1	1	1	
18	Washer	272-00715	1	1	1	
19	Union	202-42371	2	2	2	
20	Olive	351-21640	2	2	2	
21	Swivel Union Plug	751-14610	2	3	4	
22	Seal	270-00475	4	6	8	
-	Stem	751-60090	1	1	1	
-	Swivel Union Plug	201-15400	1	1	1	Early Engines
-	Seal	031-61533	2	2	2	Early Engines
-	Copper Washer	013-22350	-	1	1	Build 48
-	Plug	354-28530	-	1	1	Build 48

Note

Fit Cap Head Screw 272-00345 with modified Injector Clamp

Illustration LP130



Fuel Injector and Pipes - LPWS Marine

Illustration LP126

No.	Description	Part Number	LPWS			Remarks
			2	3	4	
1	Fuel Pump	750-41510	2	3	4	Replaces all previous
2	Fuel Injector	751-40920	2	3	4	Replaces 751-40760
3	Nozzle	751-40860	2	3	4	
4	Washer	751-40630	2	3	4	
5	Leak-off Pipe - LPWS2	752-41122	1	-	-	Replaces 752-41120/1
-	Leak-off Pipe - LPWS3	753-41122	-	1	-	Replaces 753-41120/1
-	Leak-off Pipe - LPWS4	754-41122	-	-	1	Replaces 754-41120/1
6	Fuel Pipe Assembly	751-40612	1	2	3	
-	Fuel Pipe Assembly	751-40611	1	2	3	Builds 44, 46
7	Fuel Pipe Assembly	751-41100	1	1	1	
-	Fuel Pipe Assembly	751-41101	1	1	1	Builds 44, 46
8	Glow Plug	751-40620	2	3	4	
9	Cable Link	751-40810	1	2	3	
10	Nut	272-00611	2	3	4	
11	Washer	272-00687	2	3	4	Replaces 272-00610
12	Swivel Union Plug	601-31011	1	1	1	
13	Seal	270-00475	2	2	2	
14	Fuel Pipe - LPWS2	752-60070	1	-	-	
-	Fuel Pipe - LPWS2	752-14750	1	-	-	Early engines
-	Fuel Pipe - LPWS3	753-60070	-	1	-	
-	Fuel Pipe - LPWS3	753-14750	-	1	-	Build 48 and early engines
-	Fuel Pipe - LPWS4	754-60070	-	-	1	
-	Fuel Pipe - LPWS4	754-14750	-	-	1	Build 48 and early engines
15	Manifold Block	751-60031	1	1	1	
-	Manifold Block	751-13920	1	1	1	Build 48 and early engines
16	Bolt - M8 x 20mm	272-00716	1	1	1	
17	Nut	272-00680	1	1	1	
18	Washer	272-00715	1	1	1	
19	Union	202-42371	2	2	2	
20	Olive	351-21640	2	2	2	
21	Swivel Union Plug	751-14610	2	3	4	
22	Seal	270-00475	4	6	8	
23	'O' Ring	751-18410	2	3	4	Replaces 751-17951 & 751-42600
24	'O' Ring	751-18420	2	3	4	Replaces 751-18061 & 751-42600
-	Swivel Union Plug	201-15400	1	1	1	Early Engines
-	Seal	031-61533	2	2	2	Early Engines
-	Leak-off Pipe and Seals Kit - LPWS2	750-41681	1	-	-	Replaces 750-41680
-	Leak-off Pipe	752-41122	1	-	-	
-	Seal	270-00475	2	-	-	
-	'O' Ring	751-18410	2	-	-	
-	'O' Ring	751-18420	2	-	-	
-	Leak-off Pipe and Seals Kit - LPWS3	750-41691	-	1	-	Replaces 750-41690
-	Leak-off Pipe	753-41122	-	1	-	
-	Seal	270-00475	-	2	-	
-	'O' Ring	751-18410	-	3	-	
-	'O' Ring	751-18420	-	3	-	
-	Leak-off Pipe and Seals Kit - LPWS4	750-41701	-	-	1	Replaces 750-41700
-	Leak-off Pipe	754-41122	-	-	1	
-	Seal	270-00475	-	-	2	
-	'O' Ring	751-18410	-	-	4	
-	'O' Ring	751-18420	-	-	4	

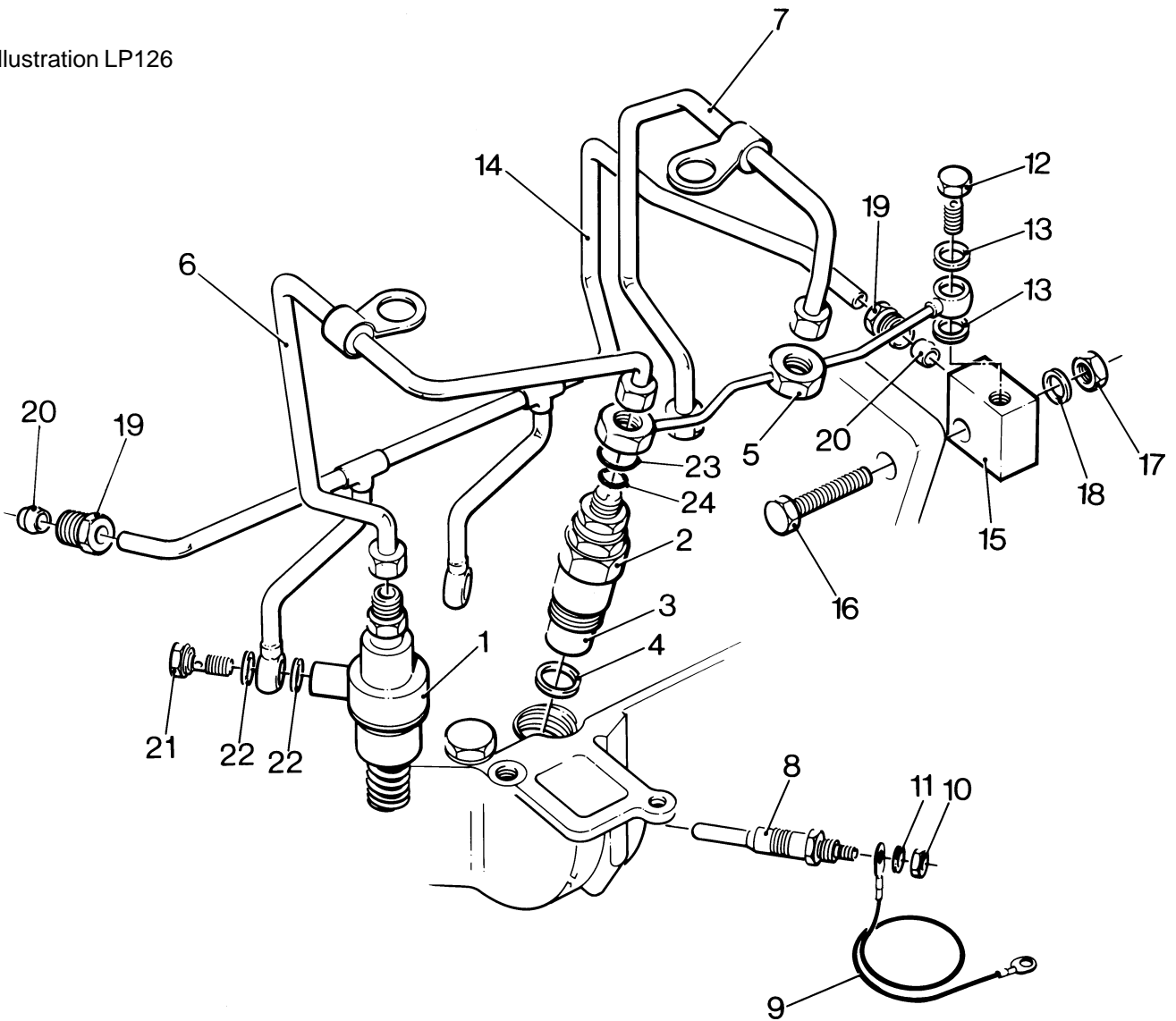
Note:

For 'Fuel Tank and Pipes' see Accessory Kit Codes MFA and MFB.

For 'Flexible Fuel Connections - Marine' see Accessory Kit Code MFC.

For 'Steel Supply and Leak-Off Pipes - Marine' see Accessory Kit Code MFD.

Illustration LP126



Water Pump and Thermostat

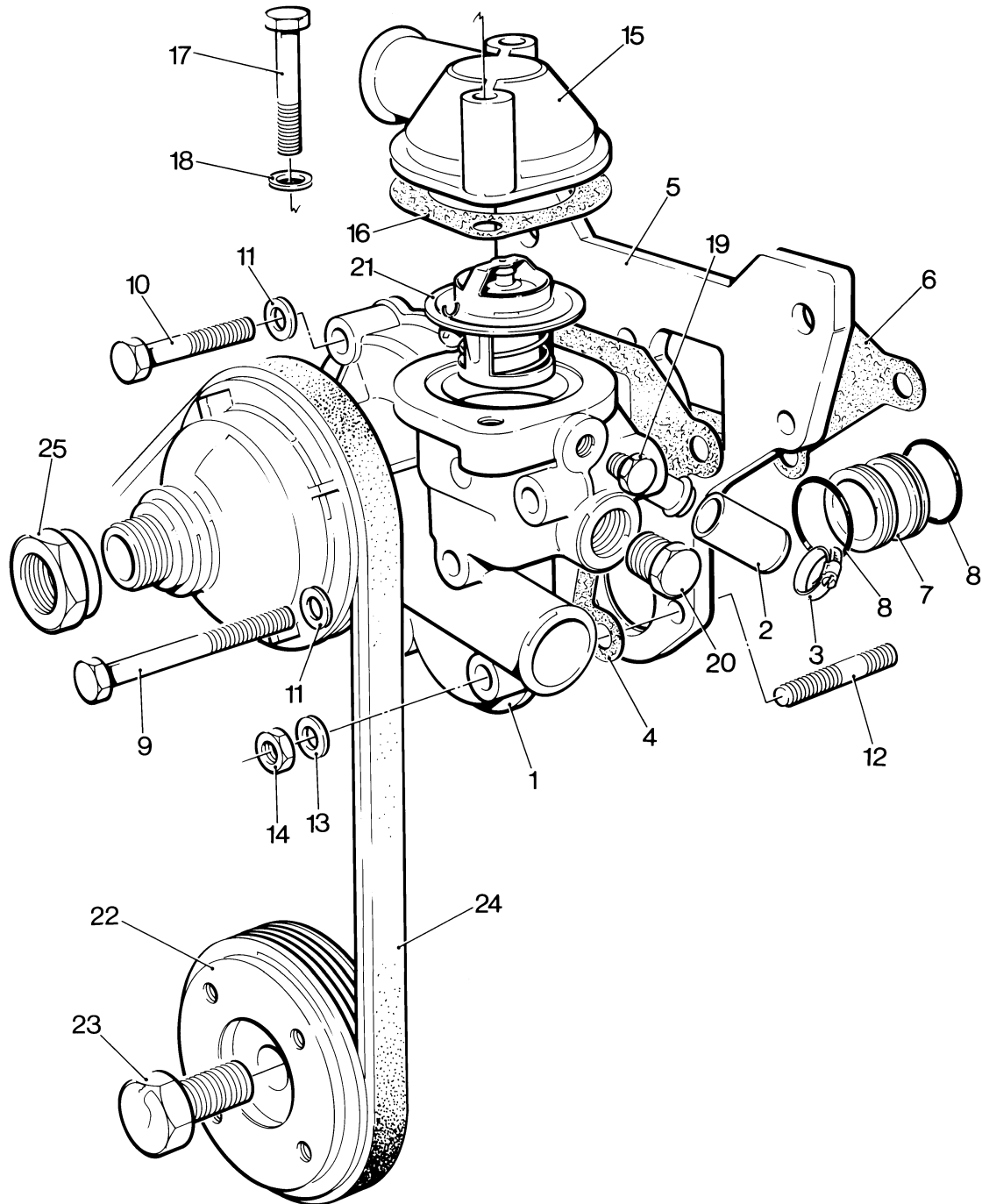
Illustration LP138

No.	Description	Part Number	LPW/S/T			Remarks
			2	3	4	
1	Water Pump Assembly	750-40621	1	1	1	Replaces 750-40012 & 750-40620 See Note
-	Water Pump Assembly	750-40624	-	-	1	Build 76 (replaces above pump) and all LPWT4. See Note
-	Water Pump Assembly	750-42730	1	-	-	Build 102
2	Cap	751-41220	1	1	1	
3	Hose Clip	027-07934	1	1	1	Replaces 027-16029 & 027-04686
4	Joint	751-40211	1	1	1	
5	Mounting Plate	751-40203	1	1	1	Replaces 751-40202
6	Joint	751-40450	1	1	1	
7	Sleeve	751-40441	1	1	1	
8	'O' Ring	601-20691	2	2	2	
9	Bolt - M8 x 75mm	272-00047	3	3	3	
10	Bolt - M8 x 45mm	272-00169	2	2	2	
11	Washer	027-00082	5	5	5	
12	Stud - M8 x 45mm	272-00757	2	2	2	Replaces 272-00183
-	Stud - M8 x 55mm	751-41330	-	2	2	Build 70
13	Washer	027-00082	2	2	2	
14	Nut - M8	272-00003	2	2	2	
15	Thermostat Outlet (Standard)	751-40112	1	1	1	Replaces 751-40111
-	Thermostat Outlet	751-41251	-	1	1	Build 70
-	Thermostat Outlet	803-02271	1	1	1	All Marine Builds Except Build 48
16	Joint	751-40281	1	1	1	Replaces 751-40280
17	Bolt - M8 x 60mm	272-00045	2	2	2	
18	Washer	027-00082	2	2	2	
19	Plug	366-07041	1	1	1	
20	Plug	751-40680	1	1	1	
21	Thermostat (Standard)	751-40983	1	1	1	Replaces 751-40982, 751-40981
-	Thermostat	751-40981	1	-	1	LPW2 Build 89. LPW4 Build 74
-	Thermostat	751-40982	1	1	1	Replaces 803-02221 & 854-01222
22	Crankshaft Pulley	751-10407	1	1	1	
-	Crankshaft Pulley	751-10408	1	1	1	Builds 47, 84, 102
-	Crankshaft Pulley	751-10409	1	-	1	Builds 71, 72
-	Crankshaft Pulley	751-16871	1	1	1	Builds 37, 38, 76, 81, 82, 83
23	Crankshaft Pulley Bolt	751-14250	1	1	1	Left hand thread
-	Belt	751-17810	1	1	1	Used with jockey pulley
24	Belt	751-17820	1	1	1	Replaces 751-40460
-	Belt	751-17830	1	1	1	Build 81. Replaces 754-40970
25	Fan Nut	751-40521	1	1	1	L/H thread. Replaces 751-40520
-	Fan Spacer	757-17420	1	1	1	Build 70

Note:

Items 2, 3 and hose 757-10562 must be fitted if pump 750-40620 is being replaced.

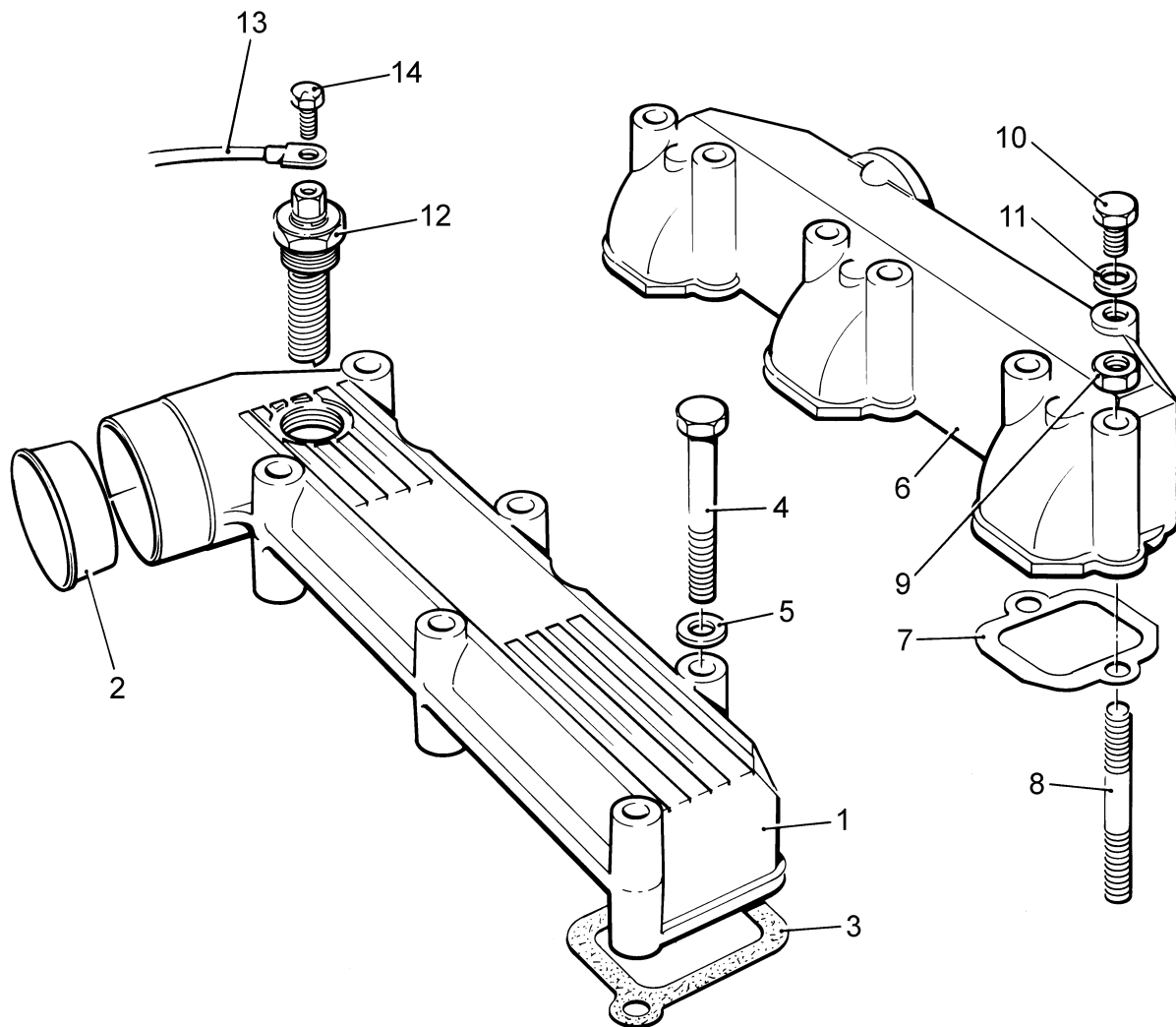
Illustration LP138



Manifolds - LPW/S

Illustration LP10		LPW/LPWS			
Description	Part Number	2	3	4	Remarks
1 Inlet Manifold		1	1	1	See 'Inlet Manifold Profiles'
2 Inlet Manifold Restrictor	751-17230	1	1	1	Builds 07, 27, 28, 34, 41, 57, 79, 81, 177
- Restrictor Transfer - LPW	601-42260	1	1	1	Builds 07, 27, 28, 34, 41, 57, 79, 81
- Restrictor Transfer - LPWS	601-34900	1	1	1	Builds 07, 41, 57
- Adaptor - LPWS4	751-19120	-	-	1	Build 108
3 Inlet Manifold Joint	751-11121	4	6	8	One each side of the cowling
- Inlet Manifold Joint - LPWS4	751-11121	-	-	4	Build 108
4 Bolt - M6 x 75mm	272-00729	4	6	8	Replaces 272-00178
5 Washer	272-00364	4	6	8	
- Washer - zinc plated	272-00688	4	6	8	Builds 40 42 43 45 47 48
6 Exhaust Manifold		1	1	1	See 'Exhaust Manifold Profiles'
- Expansion Plug	351-41510	1	1	1	Builds 40 42 45 47 48
7 Exhaust Manifold Joint	751-10103	2	3	4	Replaces 751-10102
8 Stud	272-00729	4	6	8	Replaces 272-00652
- Stud - M6 x 85mm	272-00695	4	6	8	Replaces 272-00357. Builds 40 42 43 45 47 48
- Stud	757-15310	-	-	1	Build 109
- Stud	709643	-	-	2	Build 109
9 Nut	272-00002	4	6	8	
- Nut	272-00679	4	6	8	Builds 40 42 43 45 47 48
- Nut	272-00380	-	-	1	Build 109
10 Setscrew - M8 x 8mm	272-00239	-	1	1	Replaces 272-00321
11 Washer	272-00715	-	1	1	
- Washer	272-00072	-	-	2	Build 109
- Blanking Plug	823004	-	-	1	LPW4 Build 84
- Plug	823232	-	-	2	Build 109
12 Heater Plug	327523	1	1	1	
- Heater Plug	363102	-	-	2	Build 109. LPWT4 Build 78
13 Cable Assembly	757-15392	1	1	1	
- Cable Assembly - LPWT4	757-26430	-	-	1	Build 78
14 Screw	272-00767	1	1	1	
- Cable Tie	064-32790/001	1	1	1	
- Cable Clip	382-08076	1	1	1	
- Exhaust Silencer Joint	757-15750	-	-	1	Build 109
- Washer	785632	-	-	1	Build 109
- Bolt - LPWS4	272-00729	-	-	8	Build 108

Illustration LP10



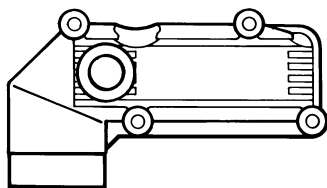
Manifold Accessory Kits - LPW/S

Illustration LP10

LPW/LPWS

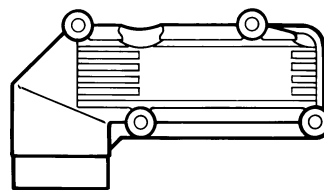
Accessory Kit Code MA - LPWS2	750-41950	1	-	-	Side entry with 1/2"BSP
Accessory Kit Code MA - LPWS3	750-41960	-	1	-	Side entry with 1/2"BSP
Accessory Kit Code MA - LPWS4	750-41970	-	-	1	Side entry with 1/2"BSP
Accessory Kit Code MB - LPW/S2	750-14360	1	-	-	Side entry (use with code EY/EZ)
Accessory Kit Code MB - LPW/S3	750-14370	-	1	-	Side entry (use with code EY/EZ)
Accessory Kit Code MB - LPW/S4	750-14380	-	-	1	Side entry (use with code EY/EZ)
Accessory Kit Code MC - LPWS2	750-41990	1	-	-	End entry with no tappets
Accessory Kit Code MC - LPWS3	750-42000	-	1	-	End entry with no tappets
Accessory Kit Code MC - LPWS4	750-42010	-	-	1	End entry with no tappets
Accessory Kit Code MD - LPW/S2	750-14400	1	-	-	End entry
Accessory Kit Code MD - LPW/S3	750-14410	-	1	-	End entry
Accessory Kit Code MD - LPW/S4	750-14420	-	-	1	End entry
Accessory Kit Code MG - LPW2	750-14440	1	-	-	Top entry
Accessory Kit Code MG - LPWS2	750-42030	1	-	-	Top entry
Accessory Kit Code MG - LPW3	750-14450	-	1	-	Top entry
Accessory Kit Code MG - LPWS3	750-42040	-	1	-	Top entry
Accessory Kit Code MU - LPW/S2	750-14490	1	-	-	Top exit
Accessory Kit Code MU - LPW/S3	750-14500	-	1	-	Top exit
Accessory Kit Code MU - LPW/S4	750-14510	-	-	1	Top exit
Accessory Kit Code MV - LPW/S4	750-42050	-	-	1	Side Exit at Gear End
- Inlet Manifold - LPWS2	752-10632	1	-	-	Code MA
- Inlet Manifold - LPWS3	753-10632	-	1	-	Code MA
- Inlet Manifold - LPWS4	754-10632	-	-	1	Code MA
- Inlet Manifold - LPW/LPWS2	752-10634	1	-	-	Code MB
1 Inlet Manifold - LPW/LPWS3	753-10635	-	1	-	Code MB
- Inlet Manifold - LPW/LPWS4	754-10636	-	-	1	Code MB
- Inlet Manifold - LPWS2	752-13490	1	-	-	Code MC
- Inlet Manifold - LPWS3	753-13490	-	1	-	Code MC
- Inlet Manifold - LPWS4	754-13490	-	-	1	Code MC
- Inlet Manifold - LPW/LPWS2	752-13491	1	-	-	Code MD
- Inlet Manifold - LPW/LPWS3	753-13491	-	1	-	Code MD
- Inlet Manifold - LPW/LPWS4	754-13491	-	-	1	Code MD
- Inlet Manifold - LPW/LPWS2	752-15450	1	-	-	Code MG
- Inlet Manifold - LPW/LPWS3	753-15450	-	1	-	Code MG
2 Inlet Manifold Restrictor	751-17230	1	1	1	Code MA MB MC MD MG
- Restrictor Transfer	601-34900	1	1	1	Code MA MB MC MD MG
- Restrictor Transfer	601-42260	1	1	1	Code MB MD MG
3 Inlet Manifold Joint	751-11121	2	3	4	Code MA MB MC MD MG
- Exhaust Manifold - LPW/LPWS2	752-13590	1	-	-	Code MU
6 Exhaust Manifold - LPW/LPWS3	753-13590	-	1	-	Code MU
- Exhaust Manifold - LPW/LPWS4	754-13590	-	-	1	Code MU
- Exhaust Manifold - LPW/LPWS4	754-14930	-	-	1	Code MV
7 Exhaust Manifold Joint	751-10103	2	3	4	Code MU & MV

Inlet Manifold Profiles - LPW/S2



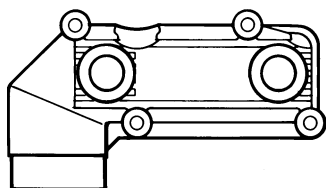
752-10632 - LPW2

Buils 01 02 03 04 05 08 09 10 27 28 37
38 40 42 45 44 46 51 52 57 58 59 79 81



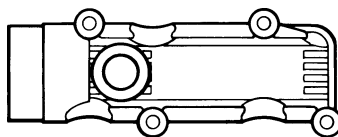
752-10631 - LPW/S2

LPW Build 47
LPWS Buils 01 02 03 04 05 08 09 12 13 15
18 40 42 44 45 46 47 51 52 57 58 59 79



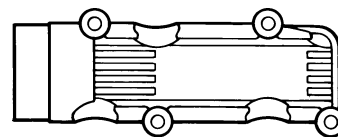
752-10634 - LPW2

Buils 71 72



752-13491

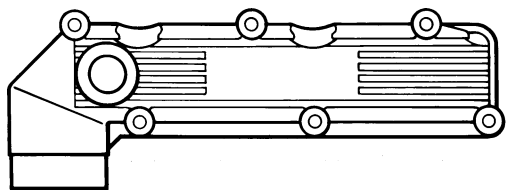
Code MD



752-13490 - LPWS2

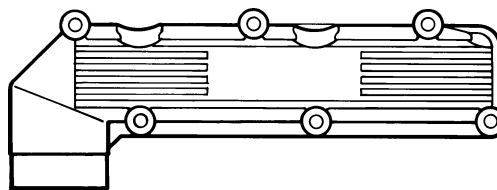
Build 76

Inlet Manifold Profiles - LPW/S3



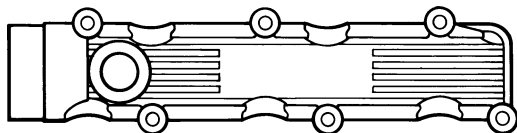
753-10632 - LPW3

Buils 01 02 03 04 05 07 08 09 10 27 28 34 37
38 40 41 42 44 45 46 51 52 57 58 59 79 81



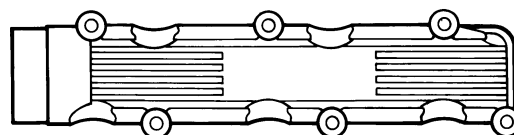
753-10631 - LPW/S3

LPW Build 47
LPWS Buils 01 02 03 04 05 07 08 09 11 12 13
15 18 40 41 42 43 44 45 46 47 51 52 57 58 59 79



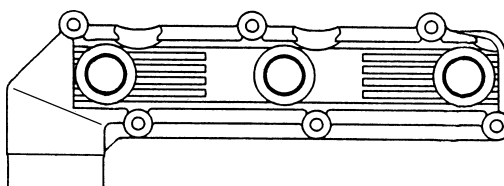
753-13491 - LPW3

Early Build 48



753-13490 - LPWS3

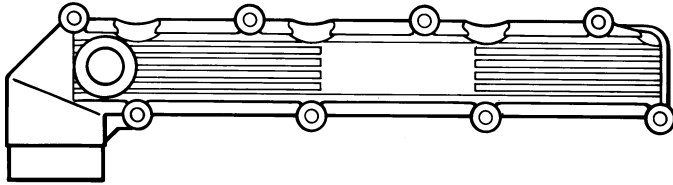
Build 48 76



753-10635

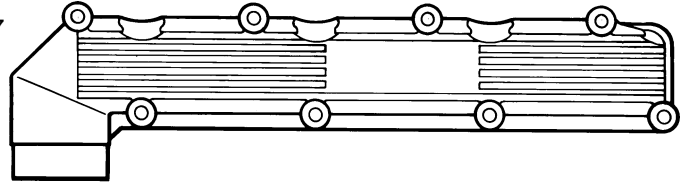
Code MB

Inlet Manifold Profiles - LPW/S4



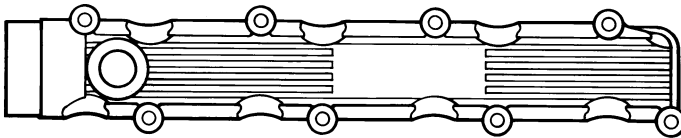
754-10632 - LPW/S4

LPW Builds 01 02 03 04 05 07 08 09 10 27 28 34 37
38 40 41 42 44 45 46 51 52 57 58 59 79 81 83
LPWS Builds 108



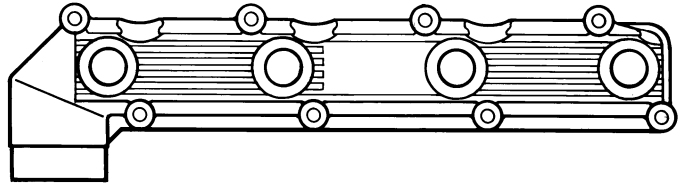
754-10631 - LPW/S4

LPW Build 47
LPWS Builds 01 02 03 04 05 07 08 09 11 12 13
15 18 40 41 42 43 44 45 46 47 51 52 57 58 59 79



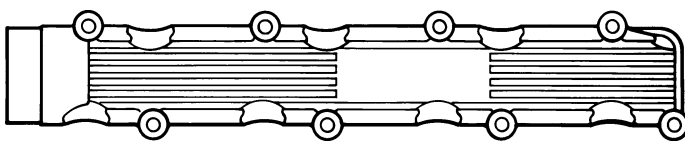
754-13491 - LPW4

Builds 84 Early 48



754-10636 - LPW4

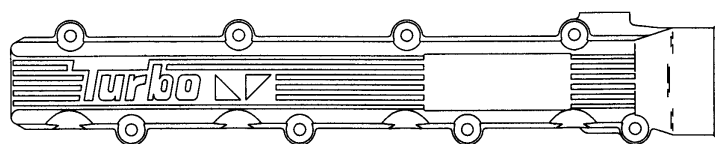
Builds 71 72



754-13490 - LPW/S4

Builds 48 70 76

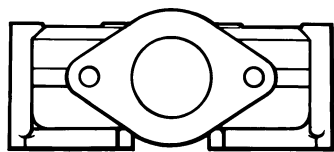
Inlet Manifold Profiles - LPWT4



754-42730

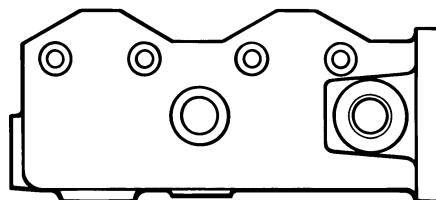
LPWT4 - All Builds

Exhaust Manifold Profiles - LPW/S2



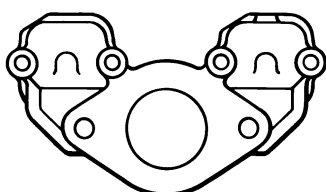
752-10652 - LPW/S2

LPW Builds 01 02 03 04 05 08 09 10 27
28 37 38 44 46 51 52 57 58 59 79 81
LPWS Builds 01 02 03 04 05 08 09 12 13
15 18 44 46 51 52 57 58 59 76 79



752-60170 - LPW/S2

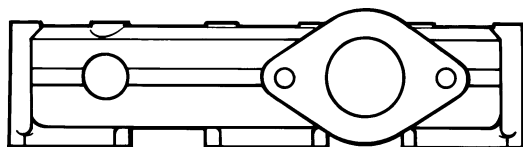
LPW/LPWS Builds 40 42 45 47



752-13590 - LPW2

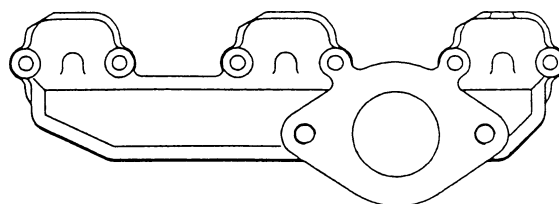
LPW Builds 71 72

Exhaust Manifold Profiles - LPW/S3



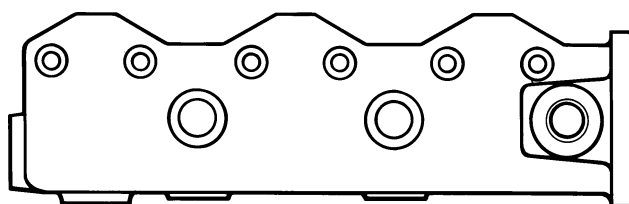
753-10652 - LPW/S3

LPW Builds 01 02 03 04 05 07 08 09 10 27 28
34 37 38 41 44 46 51 52 57 58 59 79 81
LPWS Builds 01 02 03 04 05 07 08 09 11 12 13
15 18 41 43 44 46 51 52 57 58 59 76 79



753-13590

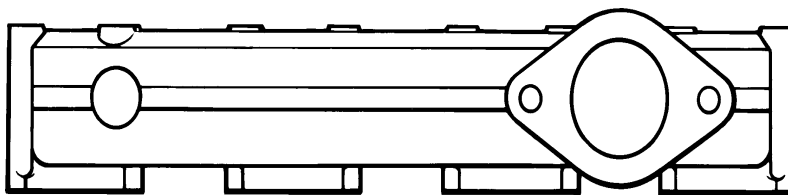
Code MU



753-60170 - LPW/S3

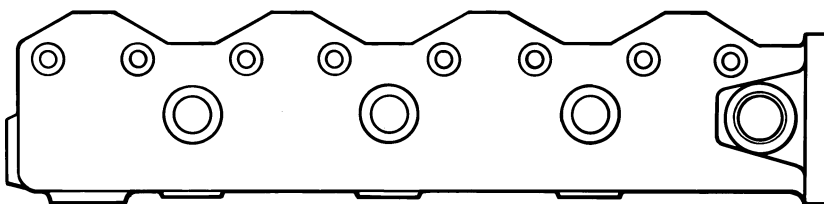
LPW Builds 40 42 45 47 48
LPWS Builds 40 42 45 47

Exhaust Manifold Profiles - LPW/S4



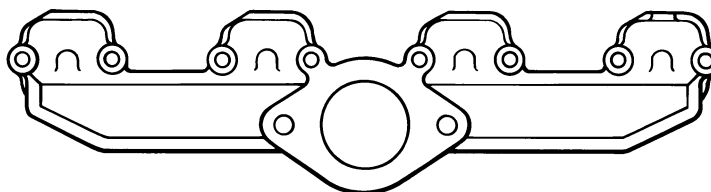
754-10652 - LPW/S4

LPW Builds 01 02 03 04 05 07 08 09 10 27 28 34
 37 38 41 44 46 51 52 57 58 59 79 81 82 83 84
 LPWS Builds 01 02 03 04 05 07 08 09 11 12 13 15
 18 41 43 44 46 51 52 57 58 59 79 108



754-60170 - LPW/S4

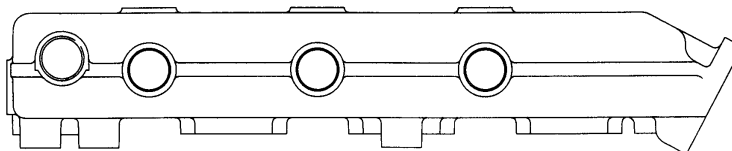
LPW Builds 40 42 45 47 48
 LPWS Builds 40 42 45 47



754-13590 - LPW/S4

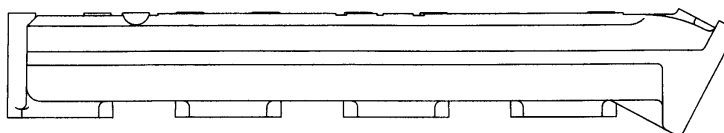
LPW Builds 71 72
 LPWS Builds 70 76

Exhaust Manifold Profiles - LPWT4



754-60210

Builds 40, 42



754-42270

All Builds except 40, 42

Water Cooled Manifold - LPW/S Marine

Illustration LPM41

Description

LPW/LPWS

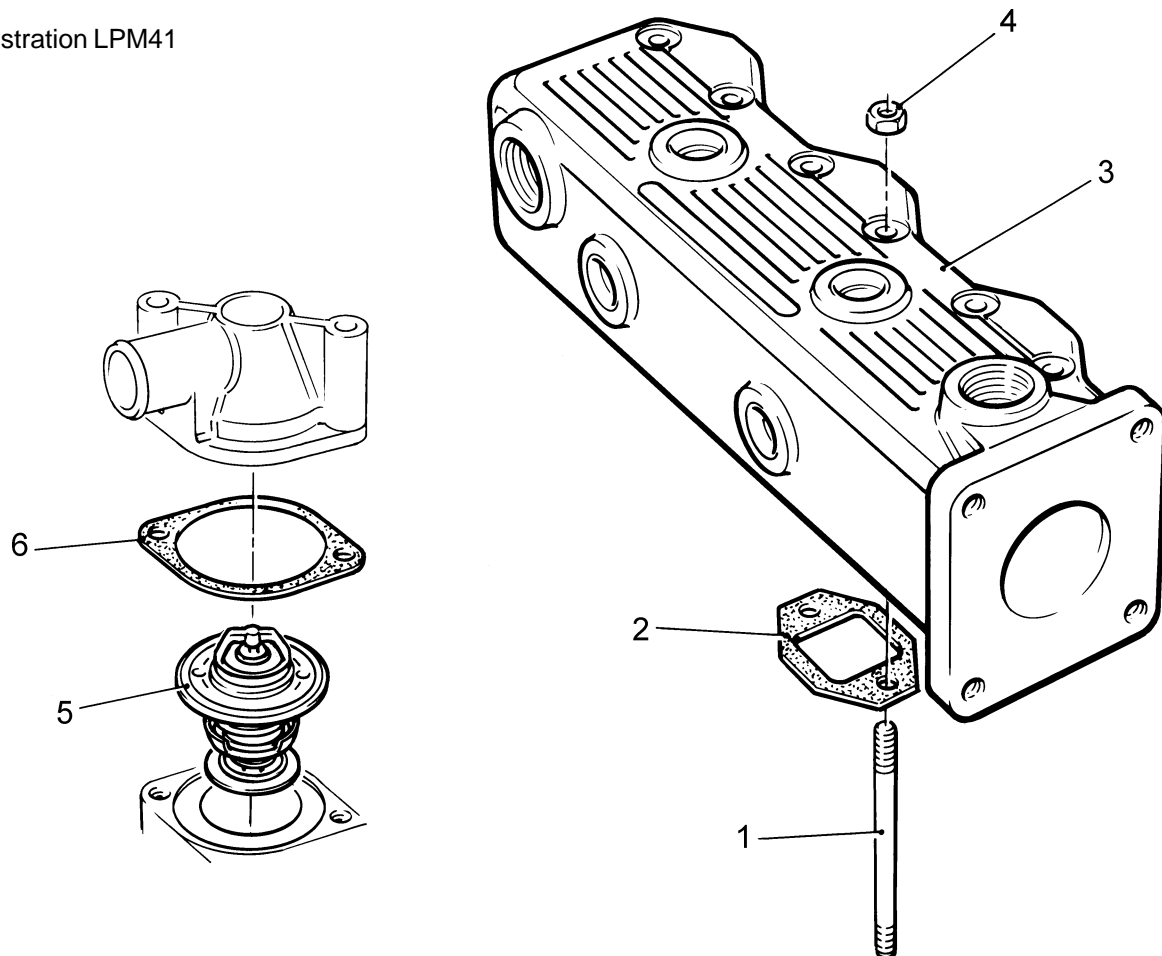
Part Number 2 3 4 Remarks

	Accessory Kit Code MMW - LPW/S2	750-62120	1	-	-	
	Accessory Kit Code MMW - LPW/S3	750-62110	-	1	-	
	Accessory Kit Code MMW - LPW/S4	750-62100	-	-	1	
1	Stud	272-00357	4	6	8	
2	Exhaust Manifold Joint	751-10103	2	3	4	
3	Exhaust Manifold Assembly - LPW/S2	752-60170	1	-	-	
-	Exhaust Manifold Assembly - LPW/S3	753-60170	-	1	-	
-	Exhaust Manifold Assembly - LPW/S4	754-60170	-	-	1	
-	Expansion Plug	351-41510	2	4	6	
4	Nut	272-00002	4	6	8	
5	Thermostat	803-02221	1	1	-	
-	Thermostat	854-01222	-	-	1	
6	Thermostat Seat Joint	751-40281	1	1	1	

Note:

Standard on Builds 40, 42, 45, 47 and 48.

Illustration LPM41



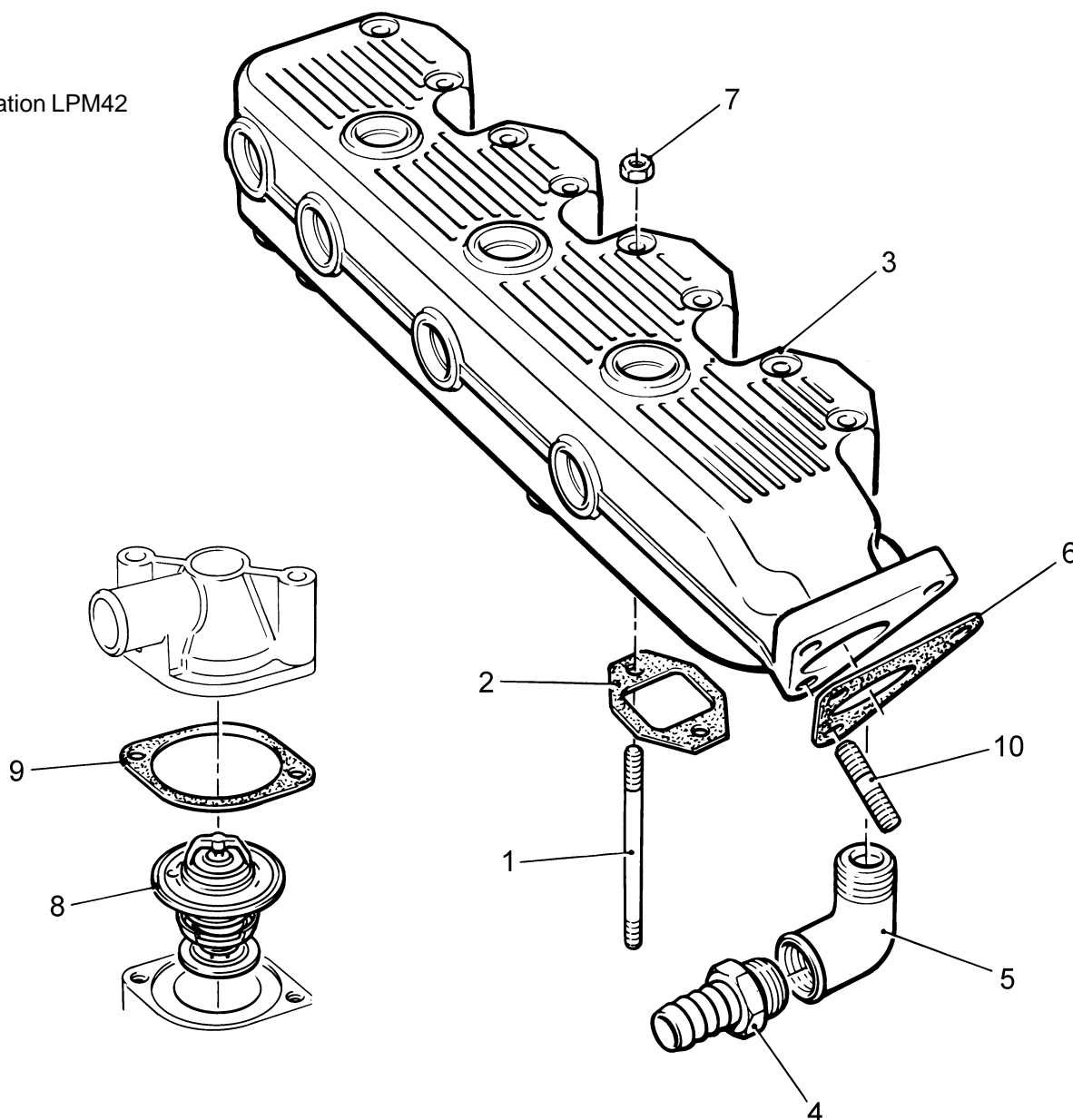
Water Cooled Manifold - LPWT4 Marine

Illustration LPM42

Description

	Part Number	LPWT			Remarks
		2	3	4	
Accessory Kit Code MMW - LPWT4	750-62101	-	-	1	
1 Stud - M6	272-00357	-	-	8	
2 Exhaust Manifold Joint	751-10103	-	-	4	
3 Exhaust Manifold Assembly	754-60210	-	-	1	
- Expansion Plug	201-60080	-	-	6	Replaces 351-41510
4 Adaptor	757-61360	-	-	1	
5 Angled Adaptor	757-61380	-	-	1	
6 Joint	754-42320	-	-	1	
7 Nut - M8	272-00680	-	-	8	
8 Thermostat	854-01222	-	-	1	
9 Thermostat Seat Joint	751-40281	-	-	1	
10 Stud - M8 x 35mm	272-00266	-	-	1	

Illustration LPM42



Manifolds - LPWT4

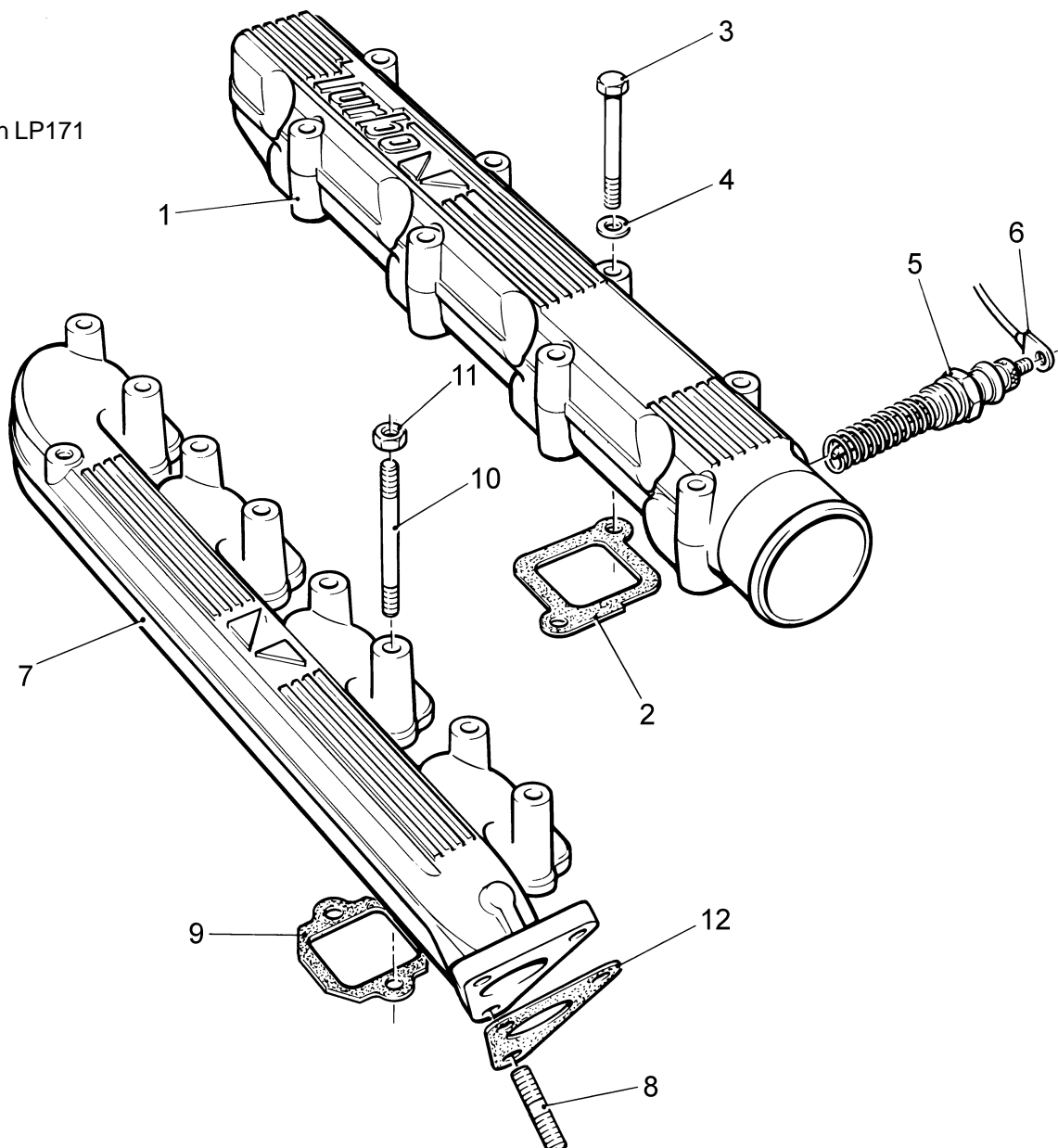
Illustration LP171

Description

Part Number LPWT
2 3 4 Remarks

1	Inlet Manifold	754-42730	-	-	1	
2	Inlet Manifold Joint	751-11121	-	-	4	
3	Bolt - M6 x 75mm	272-00729	-	-	8	Replaces 272-00178
4	Washer	272-00364	-	-	8	
5	Heater Plug	363102	-	-	1	
6	Cable Assembly	757-26430	-	-	1	
-	Exhaust Manifold	750-42600	-	-	1	
7	Manifold	754-42270	-	-	1	
8	Stud	272-00266	-	-	1	
9	Exhaust Manifold Joint	754-42640	-	-	4	
10	Bolt	272-00670	-	-	8	Replaces stud 272-00769
11	Nut	272-00003	-	-	8	
12	Joint	754-42320	-	-	1	

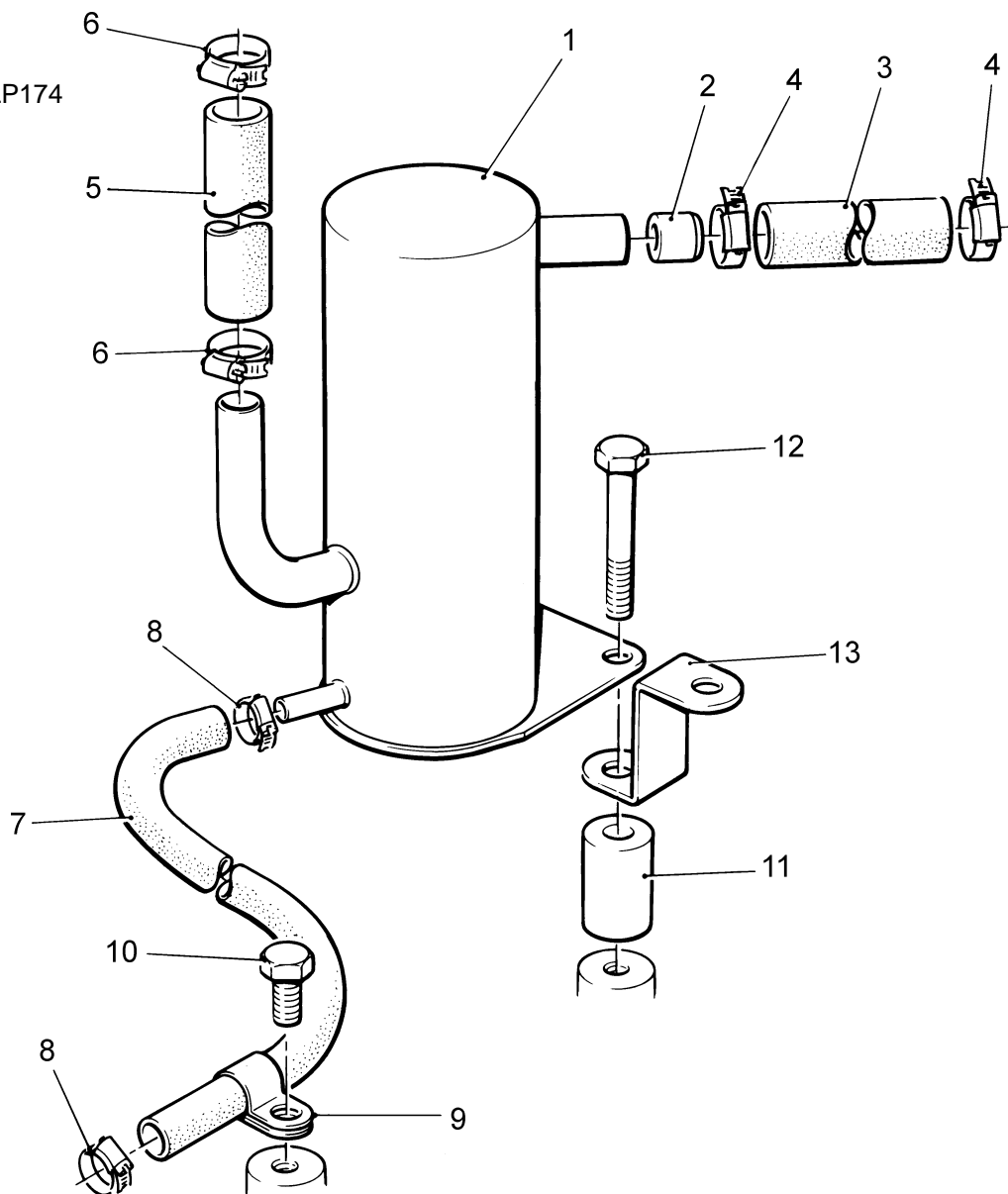
Illustration LP171



Crankcase Breather - LPWT4

Illustration LP174		LPWT				
No.	Description	Part Number	2	3	4	Remarks
1	Breather	754-42901	-	-	1	
-	Breather	754-44830	-	-	1	Build 84, 78
2	Restrictor	754-42970	-	-	1	No longer fitted on Builds 07, 08, 34-36, 40-44, 46, 57, 58, 81, 84
3	Outlet Hose	754-43010	-	-	1	
-	Outlet Hose	754-44900	-	-	1	Build 84
4	Hose Clip	027-07987	-	-	2	
5	Inlet Hose	754-43000	-	-	1	
-	Inlet Hose	754-43001	-	-	1	Builds 40-44, 46, 78
-	Inlet Hose	754-44980	-	-	1	Build 84, 78
6	Hose Clip	751-44560	-	-	3	
7	Drain Hose	754-42990	-	-	1	
-	Drain Hose	751-17400	-	-	1	Build 84, 78
8	Hose Clip	751-13390	-	-	2	
9	Cable Clip	382-08964	-	-	1	
10	Screw	272-00239	-	-	1	
11	Spacer	754-43910	-	-	2	
12	Bolt	272-00169	-	-	2	
13	Bracket	754-42330	-	-	1	
-	Nut.....	272-00003	-	-	2	Build 78
-	Screw	272-00038	-	-	2	Build 78

Illustration LP174

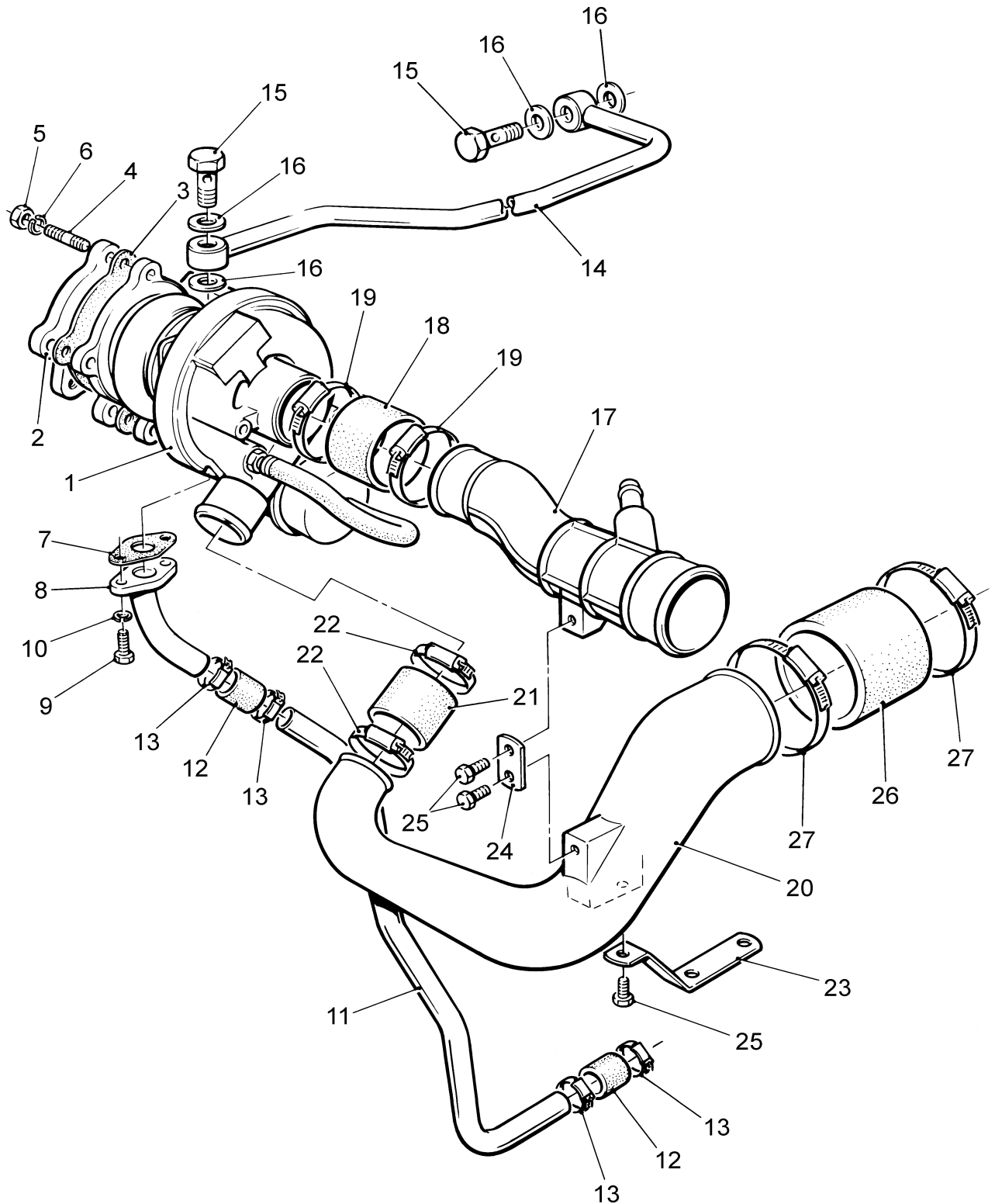


Turbocharger - LPWT4 (not Build 84)

Illustration LP172

No.	Description	Part Number	LPWT			Remarks
			2	3	4	
-	Turbocharger Assembly	750-42590	-	-	1	
1	Turbocharger	754-42310	-	-	1	
2	Side Outlet	757-25291	-	-	1	
3	Flange Joint	754-42531	-	-	1	
4	Stud - M8 x 35mm	272-00266	-	-	2	
-	Stud - M8 x 30mm	272-00108	-	-	4	Replaces 272-00266
5	Nut	272-00003	-	-	4	
6	Spring Washer	272-00071	-	-	4	
7	Joint	754-42240	-	-	1	
8	Oil Drain Pipe	754-42200	-	-	1	
9	Screw	272-00034	-	-	2	Replaces 272-00032 & 272-00033
10	Spring Washer	272-00070	-	-	2	
11	Oil Drain Pipe	754-43840	-	-	1	
12	Hose	754-42610	-	-	2	
13	Hose Clip	027-07987	-	-	4	Replaces 027-07929
14	Oil Feed Pipe	754-42413	-	-	1	
15	Plug	754-43890	-	-	2	
16	Seal	031-68785	-	-	4	
17	Air Inlet Pipe	754-42810	-	-	1	
18	Hose	754-43930	-	-	1	
19	Hose Clip	027-04233	-	-	2	
20	Air Outlet Pipe	754-42160	-	-	1	
21	Hose	754-42850	-	-	1	
22	Hose Clip	027-04231	-	-	2	
23	Bracket	754-42330	-	-	1	
24	Stay	754-42802	-	-	1	
25	Taptight Screw	757-15380	-	-	3	
26	Hose	396-43120	-	-	1	
27	Hose Clip	027-04235	-	-	2	

Illustration LP172



Turbocharger - LPWT4 Build 84 & 78

Illustration LP198

No. Description

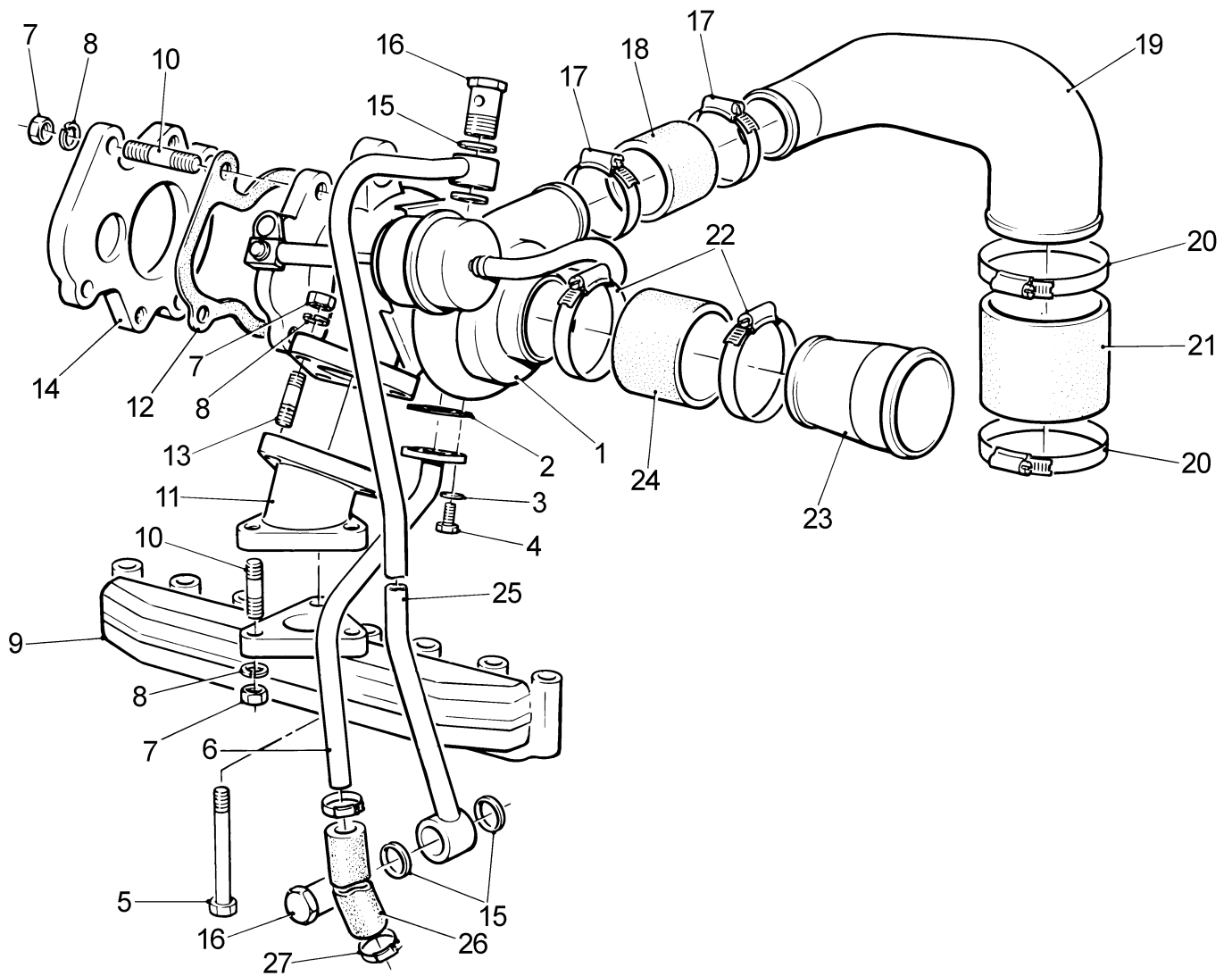
Part Number

LPWT

2 3 4 Remarks

-	Turbocharger Assembly	750-43061	-	-	1	
1	Turbocharger	754-44870	-	-	1	
2	Joint	754-42240	-	-	1	
3	Spring Washer	272-00070	-	-	2	
4	Screw	272-00034	-	-	2	Replaces 272-00033
5	Bolt - M8 x 75mm	272-00047	-	-	1	
6	Pipe	754-44850	-	-	1	
7	Nut	272-00003	-	-	9	
8	Spring Washer	272-00071	-	-	9	
9	Exhaust Manifold	754-44251	-	-	1	
10	Stud - M8 x 35mm	272-00266	-	-	1	
-	Stud - M8 x 30mm	272-00108	-	-	4	Replaces 272-00266
11	Mounting Flange	754-44760	-	-	1	
12	Flange Joint	754-42531	-	-	1	
13	Stud - M8 x 30mm	272-00108	-	-	4	
14	Side Outlet	757-25291	-	-	1	
15	Seal	031-68785	-	-	4	
16	Plug	754-43890	-	-	2	
17	Hose Clip	027-04231	-	-	2	
18	Hose	754-42850	-	-	1	
19	Air Outlet Pipe	754-44750	-	-	1	
20	Hose Clip	027-04235	-	-	2	
21	Hose	396-43120	-	-	2	
22	Hose Clip	027-04233	-	-	2	
23	Air Inlet Pipe	754-44550	-	-	1	
24	Hose	754-43930	-	-	1	
25	Pipe	754-44880	-	-	1	
26	Oil Drain Hose	754-45120	-	-	1	
27	Hose Clip	027-07987	-	-	2	Replaces 027-07929

Illustration LP198



Flywheel and Housing

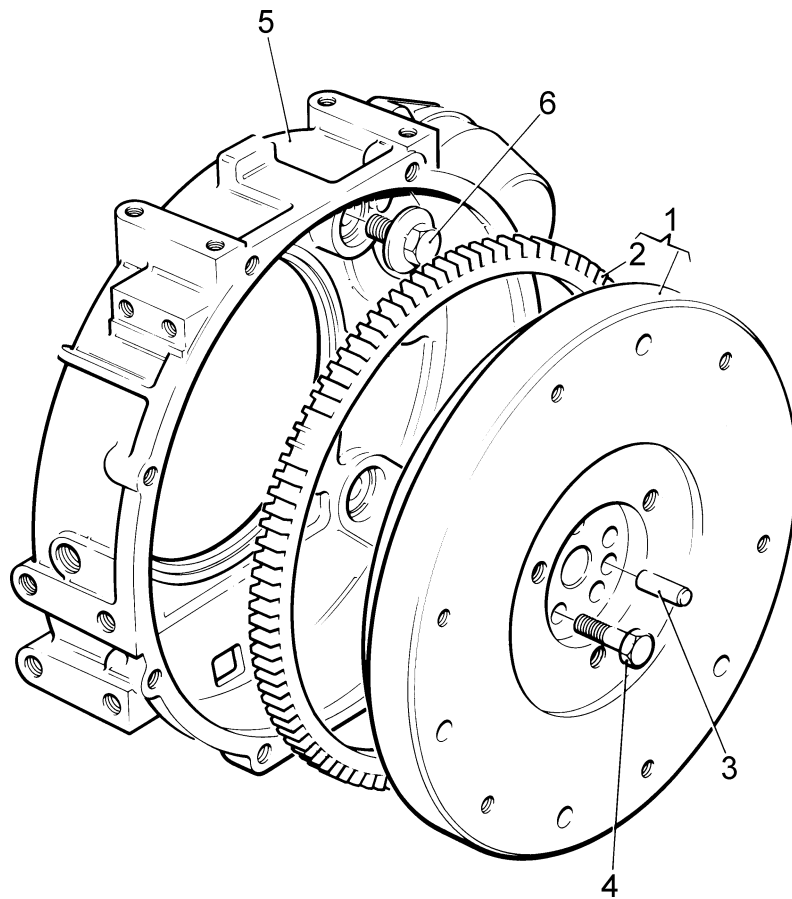
Illustration LP18 Description	Part Number	LPW/S/T			Remarks
		2	3	4	
Accessory Kit Code BF - LPW/S2,3,4	750-14720	1	1	1	Build 37 Flywheel Kit
Accessory Kit Code BF - LPWT4	750-43260	-	-	1	SAE 7 ¹ / ₂ " Flywheel Kit
Accessory Kit Code BH - LPW/S2,3,4	750-14730	1	1	1	Build 38 Flywheel Kit
Accessory Kit Code BJ - LPW/S2,3,4	750-15020	1	1	1	SAE 6 ¹ / ₂ " Flywheel Kit
Accessory Kit Code BJ - LPWT4	750-43250	-	-	1	SAE 6 ¹ / ₂ " Flywheel Kit
Accessory Kit Code BK	750-15720	1	1	1	8" AS Clutch
Accessory Kit Code BL - LPW/S2,3,4	750-15170	1	1	1	SAE 7 ¹ / ₂ " Flywheel Kit with Flywheel tappings
Accessory Kit Code BM	750-15660	1	1	1	9" AS & 240 DST Clutch
1 Flywheel and Gear Ring Assembly	750-14000	1	1	1	
- Flywheel and Gear Ring Assembly	750-10102	1	1	1	Replaces 750-10101. Builds 07, 08, 18, 27, 28, 34, 41, 43, 57, 58, 81
- Flywheel and Gear Ring Assembly	750-14000	1	1	1	Replaces 750-10005. Builds 10, 83 & Code BM
- Flywheel and Gear Ring Assembly	750-12161	1	-	-	LPWS2 Build 76
- Flywheel and Gear Ring Assembly	750-12521	-	1	1	LPWS3,4 Build 76
- Flywheel and Gear Ring Assembly	750-12042	-	-	1	LPWS4 Build 70
- Flywheel and Gear Ring Assembly - LPWT4	750-41650	-	-	1	Builds 01-05, 09, 40, 42, 44, 46, 51, 52, 59, 84
- Flywheel and Gear Ring Assembly - LPWT4	750-41660	-	-	1	Builds 07, 08, 34-36, 41, 43, 57, 58, 81
- Flywheel and Gear Ring Assembly - LPWT4	750-42700	-	-	1	Build 37, 82
- Flywheel and Gear Ring Assembly - LPWT4	750-42710	-	-	1	Build 76
- Flywheel and Gear Ring Assembly	750-14530	1	1	1	Code BJ (LPW/S)
- Flywheel and Gear Ring Assembly	750-14820	1	-	1	Builds 74, 177
- Flywheel and Gear Ring Assembly - LPWT4	750-43270	-	-	1	Code BJ (LPWT4) & Build 78
- Flywheel and Gear Ring Assembly	750-15160	1	1	1	Code BL
- Flywheel and Gear Ring Assembly	750-14520	1	1	1	Code BF (LPW/S) & Build 37
- Flywheel and Gear Ring Assembly - LPWT4	750-42700	-	-	1	Code BF (LPWT4)
- Flywheel and Gear Ring Assembly - LPWT4	750-14830	-	-	1	Build 74
- Flywheel and Gear Ring Assembly	750-14710	1	1	1	Code BH & Build 38
- Flywheel and Gear Ring Assembly	750-11800	1	1	1	Code BK
2 Gear Ring	751-10520	1	1	1	
- Gear Ring	757-26330	1	-	1	Builds 74, 177
3 Dowel	751-11800	1	1	1	
- Dowel - LPWT4	751-12771	-	-	1	
4 Bolt - M10 x 35mm	272-00631	5	5	5	
- Bolt - LPWT4	751-17650	-	-	6	
5 Flywheel Housing	751-10606	1	1	1	Replaces 751-10604/5
- Flywheel Housing	757-16232	1	1	1	Marine Builds
- Flywheel Housing	751-16851	1	1	1	Replaces 751-16850. Builds 81, 82, 83
- Flywheel Housing	751-18520	1	1	1	Builds 37, 38
- Flywheel Housing	751-18690	1	-	1	Builds 74, 177
6 Self-lock Setscrew - M12 x 25mm	272-00643	4	4	4	
- Bolt - LPWT4	272-00169	-	-	2	
- Bolt - LPWT4	272-00716	-	-	2	Build 74
- Spacer - LPWT4	754-43910	-	-	2	
- Spacer - LPWT4	751-40312	-	-	2	Build 74
- Backplate	757-17820	-	-	1	LPWS4 Build 70
- Timing Hole Plug	751-14880	1	1	1	Marine Builds
- Black Nylon Cap	351-36580	1	-	1	Builds 74, 177

Note:

All engines with the serial number beginning with '45' have metric tappings,
M8 threads in the flywheel and M10 threads in the housing.

For other Flywheel Housing see Accessory Kit Codes CC, CE and CF.

Illustration LP18



Air Cleaners - LPW/S

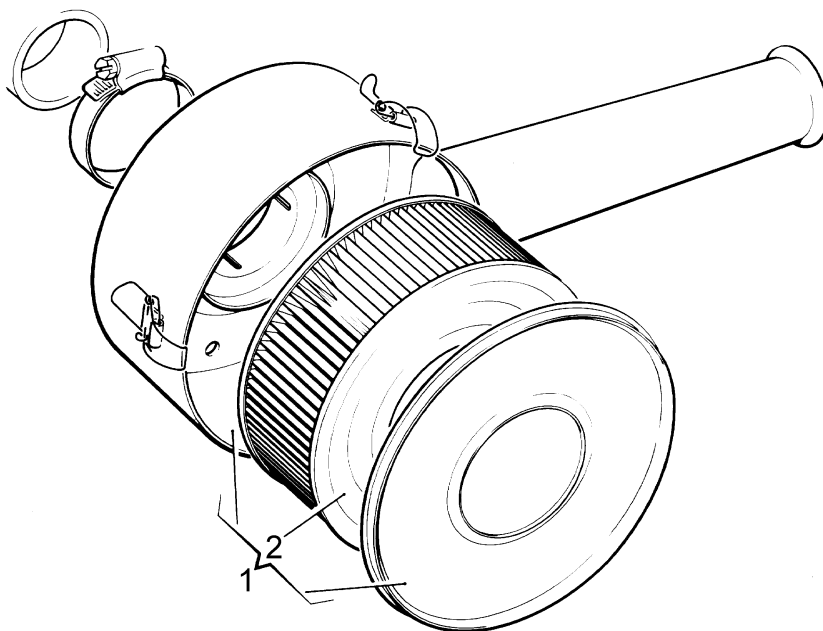
Light Duty Dry Type

Illustration LP21

Description

Illustration LP21		LPW/LPWS			
Description	Part Number	2	3	4	Remarks
Accessory Kit Code AA - LPW/S2,3	570-33740	1	1	-	LPW/S2 all speeds & LPW/S3 up to 1800r/min
Accessory Kit Code AB - LPW/S3,4	570-31381	-	1	1	LPW/S3 above 1801r/min and LPW/S4 all speeds
1 Air Cleaner	366-07028	1	1	-	Code AA
- Air Cleaner	366-07186	-	1	1	Code AB
2 Element	366-07188	1	1	1	

Illustration LP21



Air Cleaners - LPW/S

5.25" Heavy Duty Cyclonic

Cannot be used with 12 litre fuel tank

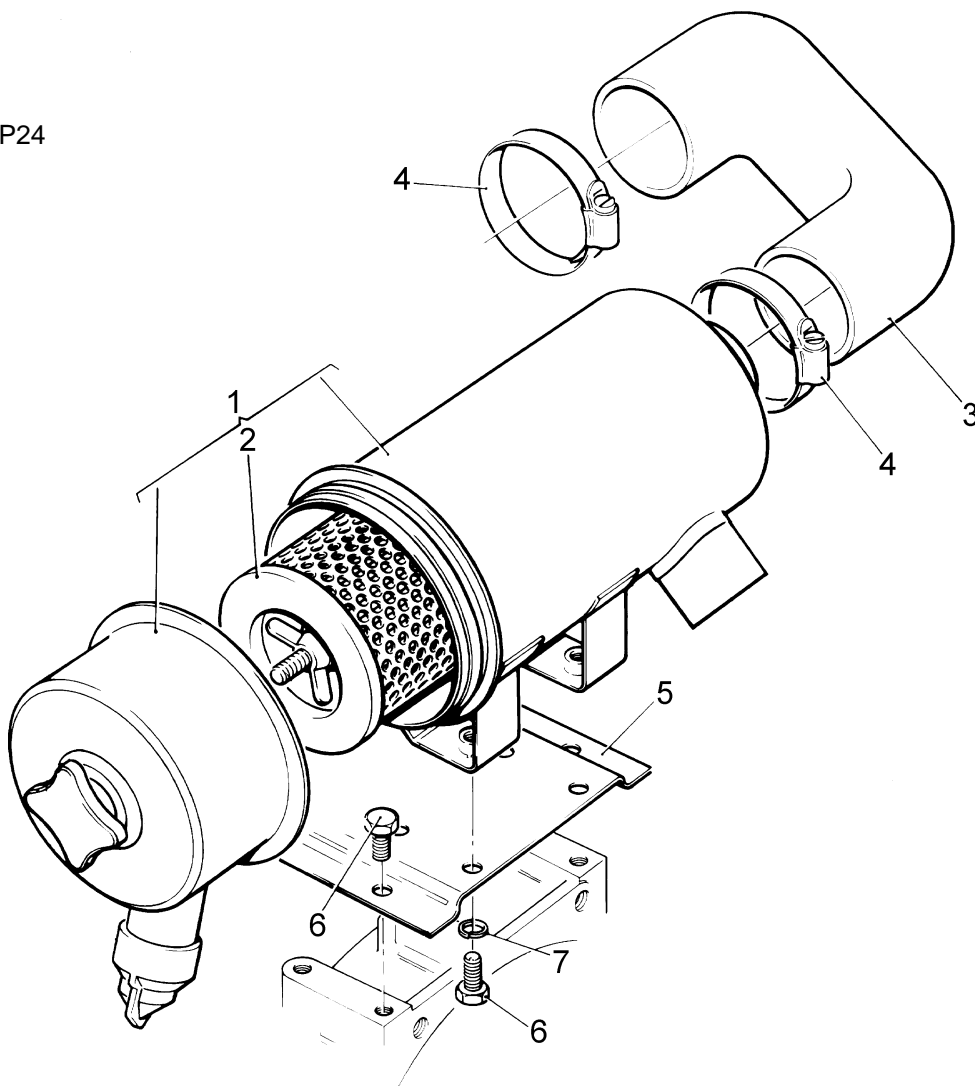
Illustration LP24

Description	Part Number	LPW/LPWS			Remarks
		2	3	4	
Accessory Kit Code AC	750-10570	1	1	1	Engine Mounted. No's 1-7.
Accessory Kit Code AE	750-10600	1	1	1	Remote Mounted. No's 1, 2 & 4
Accessory Kit Code AR	750-15880	1	1	1	To be used with Code AC
1 Air Cleaner	750-10070	1	1	1	
2 Element	602-41760	1	1	1	
3 Hose	757-13121	1	1	1	Code AR
4 Hose Clip	027-04234	2	2	2	
- Hose Clip	027-04233	2	2	2	Code AE only
5 Bracket	757-13192	1	1	1	Replaces 757-13190
6 Setscrew	272-00674	8	8	8	
7 Spring Washer	272-00360	4	4	4	

Note:

Accessory Codes AC & AE are not to be used above 1801r/min on LPW/LPWS4

Illustration LP24



Air Cleaners - LPW/S

5.25" Heavy Duty Cyclonic

Used with 12 litre Fuel Tank

Illustration LP158

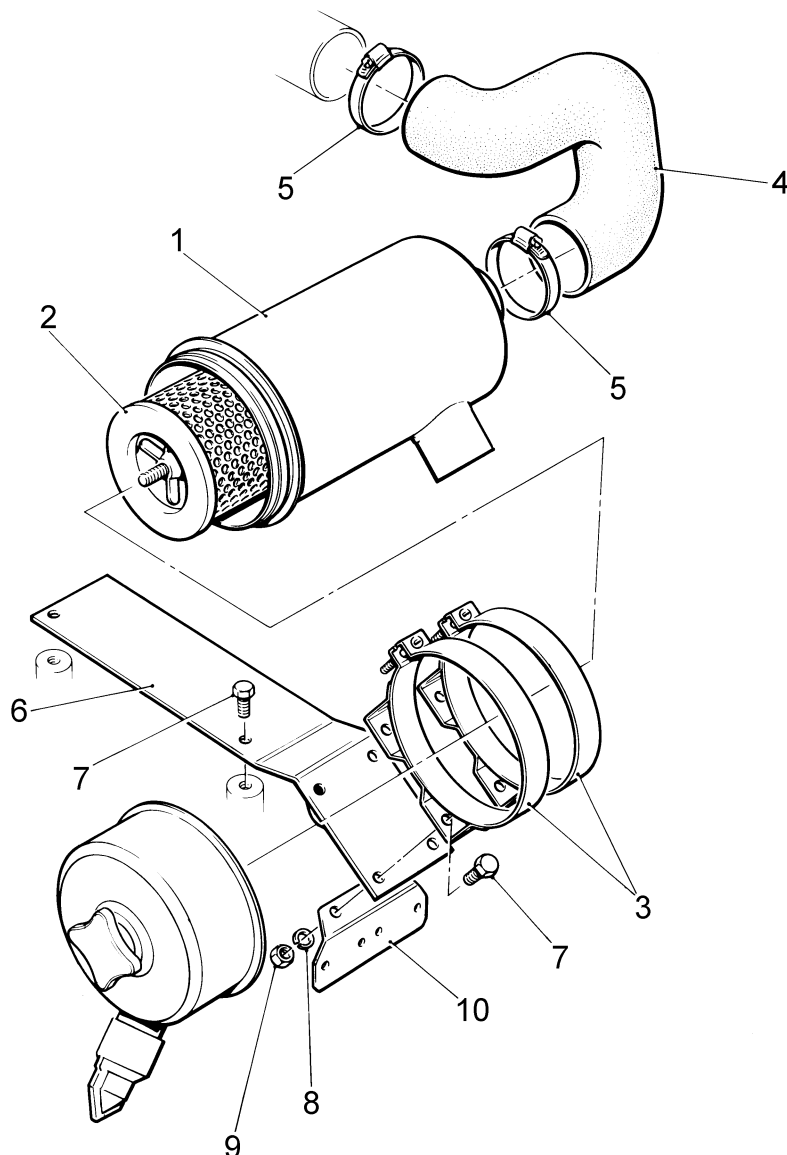
No. Description

LPW/LPWS

Part Number	2	3	4	Remarks
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-	Accessory Kit Code AG - LPW/S2,3	750-13600	1	1	-
-	Accessory Kit Code AO	750-15140	1	1	1
1	Air Cleaner	602-41740	1	1	1
2	Element	602-41760	1	1	1
3	Mounting Band	382-04373	2	2	2
4	Hose	757-21820	1	1	- Code AG
-	Hose	757-13121	1	1	1 Code AO
5	Hose Clip	027-04234	2	2	2
6	Bracket	757-21220	1	1	- Code AG
-	Bracket	757-26870	1	1	1 Code AO
-	Spacer	757-26860	4	4	4 Code AO
-	Setscrew - M8 x 16mm	272-00674	4	4	4 Code AO
-	Setscrew - M8 x 30mm	272-00739	4	4	4 Code AO
7	Setscrew - M8 x 20mm	272-00665	6	6	- Code AG
8	Spring Washer	272-00360	4	4	4
9	Nut	272-00680	4	4	4
10	Relay Bracket	757-21600	1	1	- Code AG

Illustration LP158



Air Cleaners - LPWS Build 76

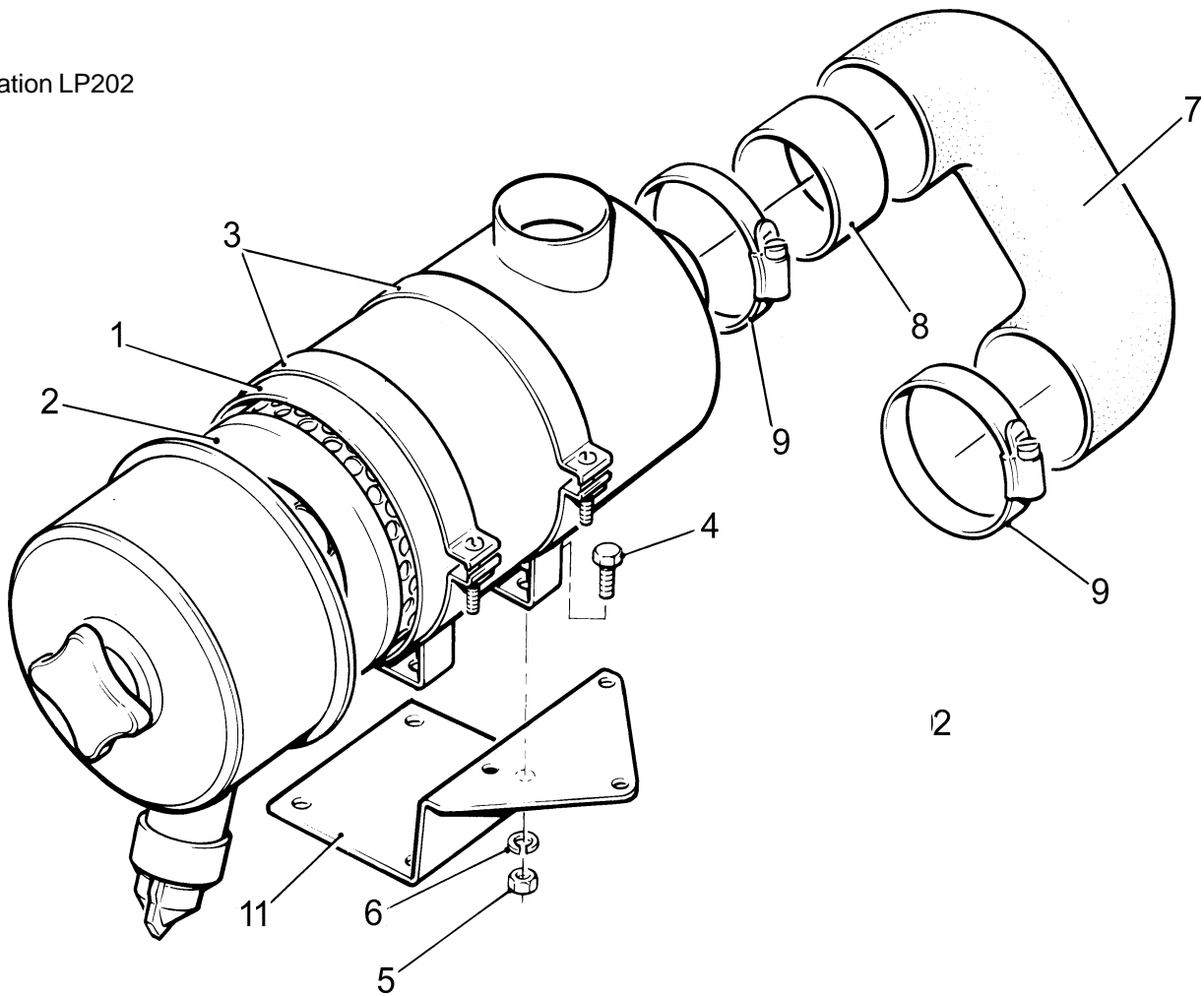
5.25" Heavy Duty

Illustration LP202

Description

	Part Number	LPW/LPWS			Remarks
		2	3	4	
Accessory Code AQ	750-15800	-	1	1	
1 Air Cleaner	602-41740	-	1	1	
2 Element	602-41760	-	1	1	
3 Mounting Band	382-04373	-	2	2	
4 Setscrew - M8 x 16mm	272-00674	-	4	4	
5 Nut.....	272-00680	-	4	4	
6 Spring Washer	272-00360	-	4	4	
7 Hose	757-21020	-	1	1	
8 Sleeve	754-42620	-	1	1	
9 Hose Clip	027-04234	-	2	2	
10 Mounting Bracket	751-42541	-	1	1	

Illustration LP202



Air Cleaners

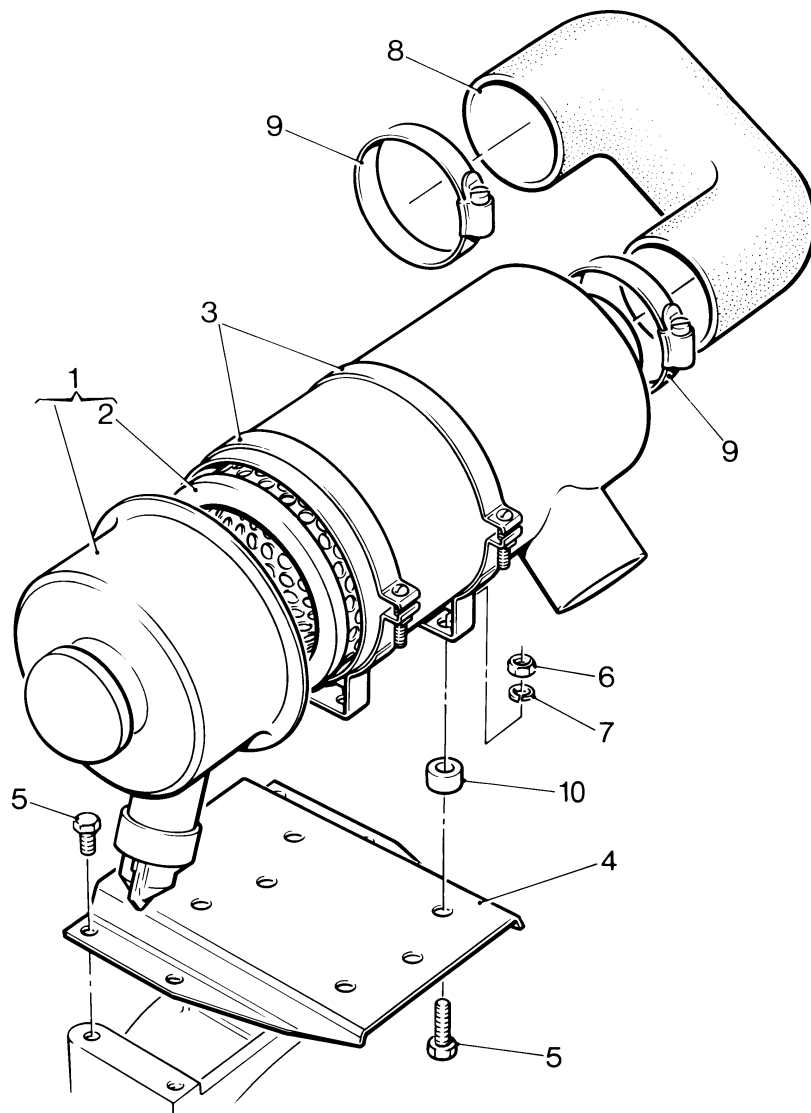
6.5" Heavy Duty Cyclonic

Illustration LP150

Description

	Part Number	LPW/S/T			Remarks
		2	3	4	
Accessory Kit Code AD - LPW/S3,4	750-13110	-	1	1	Engine Mounted. No's 1-11.
Accessory Kit Code AF - LPW/S4	750-10630	-	1	1	Remote Mounted. No's 1-3, 10+ Hose & Spigot
Accessory Kit Code AF - LPWT4	750-42570	-	-	1	Remote Mounted. No's 1-3 & 10
Accessory Kit Code AP	750-13640	-	1	1	
Accessory Kit Code AS - LPWS4	750-43760	-	-	1	Safety Element
1 Air Cleaner	750-10810	-	1	1	
2 Element	757-15230	-	1	1	
3 Mounting Band	757-15240	-	2	2	
4 Mounting Bracket	757-21002	-	1	1	Replaces 757-21000
5 Setscrew - M8 x 16mm	272-00674	-	8	8	
6 Nut.....	272-00680	-	4	4	
7 Spring Washer	272-00360	-	4	4	
- Spacer	757-21780	-	4	4	Code AP
- Bolt - M8 x 45mm	272-00667	-	1	1	Code AP
8 Hose	757-21020	-	1	1	
9 Hose Clip	027-04234	-	2	2	Code AF contains 4 off
10 Spacer	757-27400	-	4	4	Code AD
- Hose	366-07656	-	1	1	Code AF
- Spigot	366-07657	-	1	1	Code AF
- Safety Element	757-26260	-	-	1	Code AS
- Element Retaining Nut	757-26360	-	-	1	Code AS

Illustration LP150



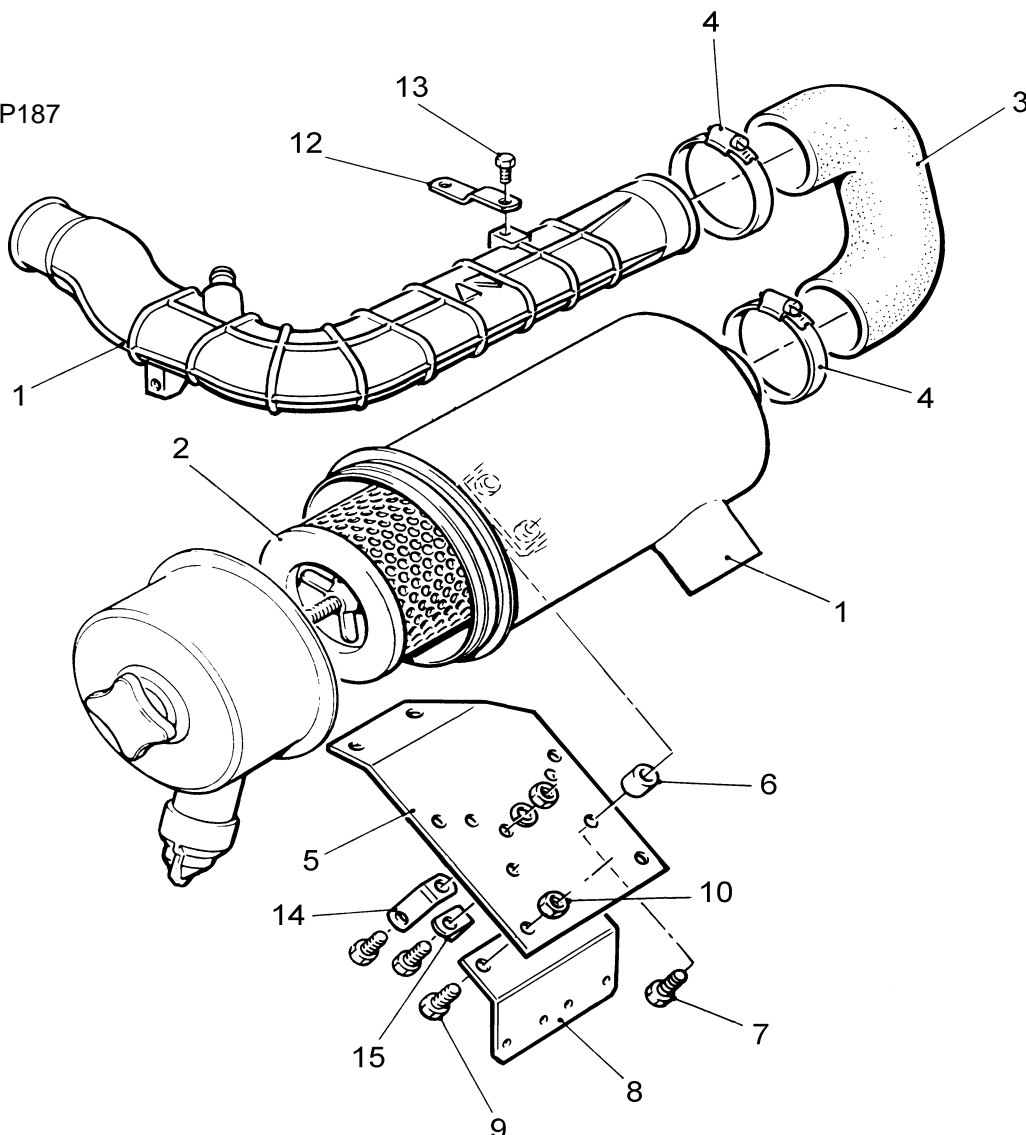
Air Cleaners - LPWT4

5.25" Heavy Duty Cyclonic - Side Mounted

Illustration LP187

No.	Description	Part Number	LPWT			Remarks
			2	3	4	
	Accessory Kit Code AG	750-42480	-	-	1	
	Accessory Kit Code AM	750-43300	-	-	1	
1	Air Cleaner Assembly	750-10070	-	-	1	
2	Element	602-41760	-	-	1	
3	Hose	757-13121	-	-	1	
4	Hose Clip	027-04234	-	-	2	
5	Bracket	754-42492	-	-	1	
6	Spacer	757-27400	-	-	4	Replaces 757-25490
7	Screw - M8 x 25mm	272-00698	-	-	4	
8	Relay Bracket	754-42650	-	-	1	
9	Screw - M8 x 14mm	272-00664	-	-	3	Code AG
-	Screw - M8 x 16mm	272-00674	-	-	2	Code AM
10	Nut - M8	272-00680	-	-	3	
11	Air Inlet Pipe	754-42250	-	-	1	
12	Steady Bracket	754-42361	-	-	1	
13	Taptight Screw	757-15380	-	-	1	
14	Bracket	754-43090	-	-	1	Code AG
15	Bracket	754-43100	-	-	1	Code AG
-	Support Bracket	757-27320	-	-	1	Code AM
-	Distance Piece	354-36540	-	-	1	Code AM
-	Screw - M10 x 25mm	272-00707	-	-	1	Code AM

Illustration LP187



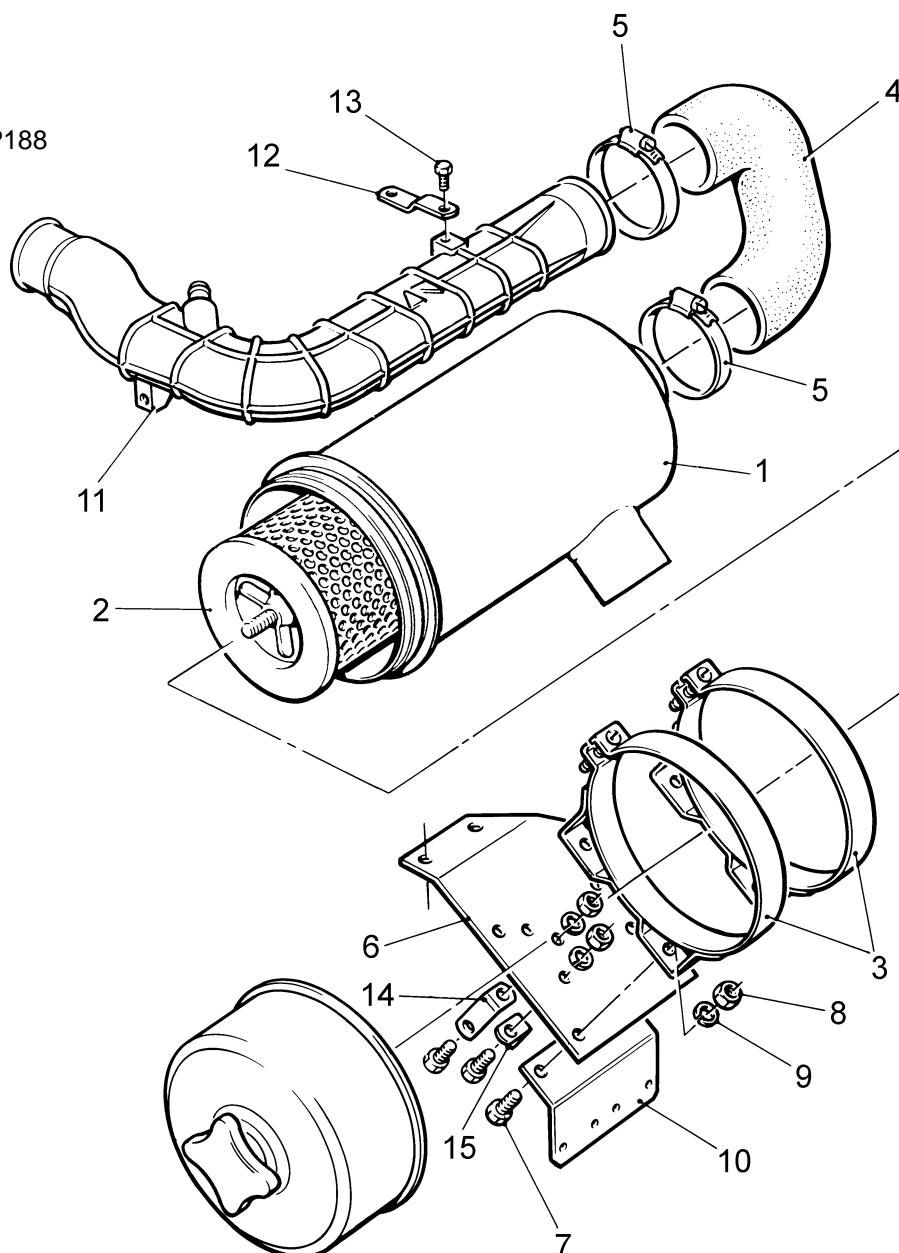
Air Cleaners - LPWT4

6.5" Heavy Duty Cyclonic - Side Mounted

Illustration LP188

No.	Description	Part Number	LPWT			Remarks
			2	3	4	
	Accessory Kit Code AJ	750-42340	-	-	1	
1	Air Cleaner Assembly	750-10810	-	-	1	
2	Element	757-15230	-	-	1	
3	Mounting Band	757-15240	-	-	2	
4	Air Hose	757-21020	-	-	1	
5	Hose Clip	027-04234	-	-	2	
6	Bracket	754-42492	-	-	1	
7	Screw - M8 x 16mm	272-00674	-	-	5	
8	Nut - M8	272-00680	-	-	5	
9	Spring Washer - M8	272-00360	-	-	5	
10	Relay Bracket	754-42650	-	-	1	
11	Air Inlet Pipe	754-42250	-	-	1	
12	Steady Bracket	754-42361	-	-	1	
13	Taptight Screw	757-15380	-	-	1	
14	Bracket	754-43090	-	-	1	
15	Bracket	754-43100	-	-	1	

Illustration LP188



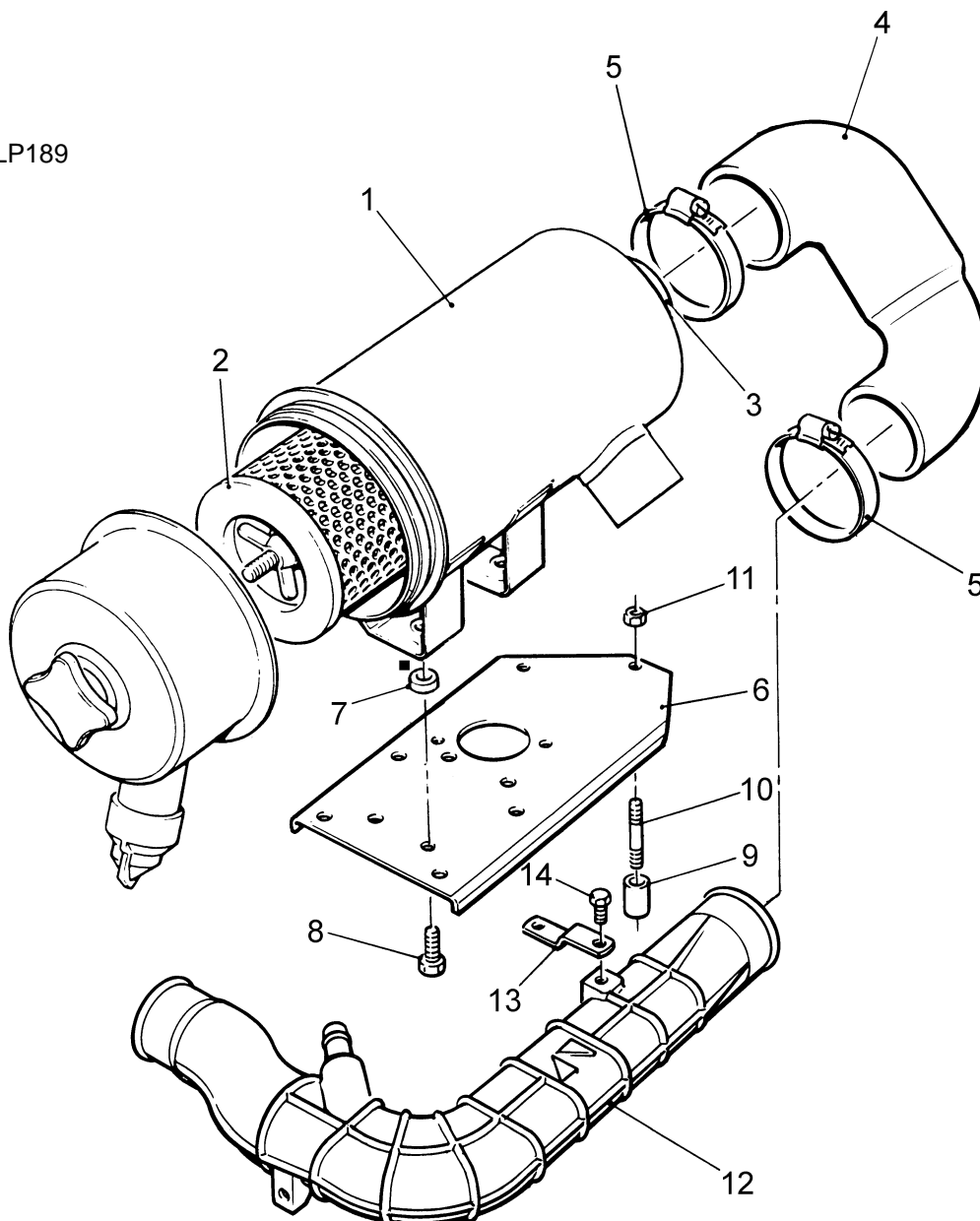
Air Cleaners - LPWT4

5.25" Heavy Duty Cyclonic - Top Mounted

Illustration LP189

No.	Description	Part Number	LPWT			Remarks
			2	3	4	
	Accessory Kit Code AK	750-42470	-	-	1	
1	Air Cleaner Assembly	750-10070	-	-	1	
2	Element	602-41760	-	-	1	
3	Sleeve	754-42620	-	-	1	
4	Hose	757-24881	-	-	1	Replaces 757-24880
5	Hose Clip	027-04235	-	-	2	
6	Bracket	757-24850	-	-	1	
7	Spacer	757-25500	-	-	4	
8	Screw - M8 x 20mm	272-00665	-	-	4	
9	Spacer	757-24860	-	-	3	
-	Spacer	757-24870	-	-	1	
10	Stud	272-00788	-	-	4	
11	Nut - M6	272-00679	-	-	4	
12	Air Inlet Pipe	754-42250	-	-	1	
13	Steady Bracket	754-42361	-	-	1	
14	Taptight Screw	757-15380	-	-	1	

Illustration LP189



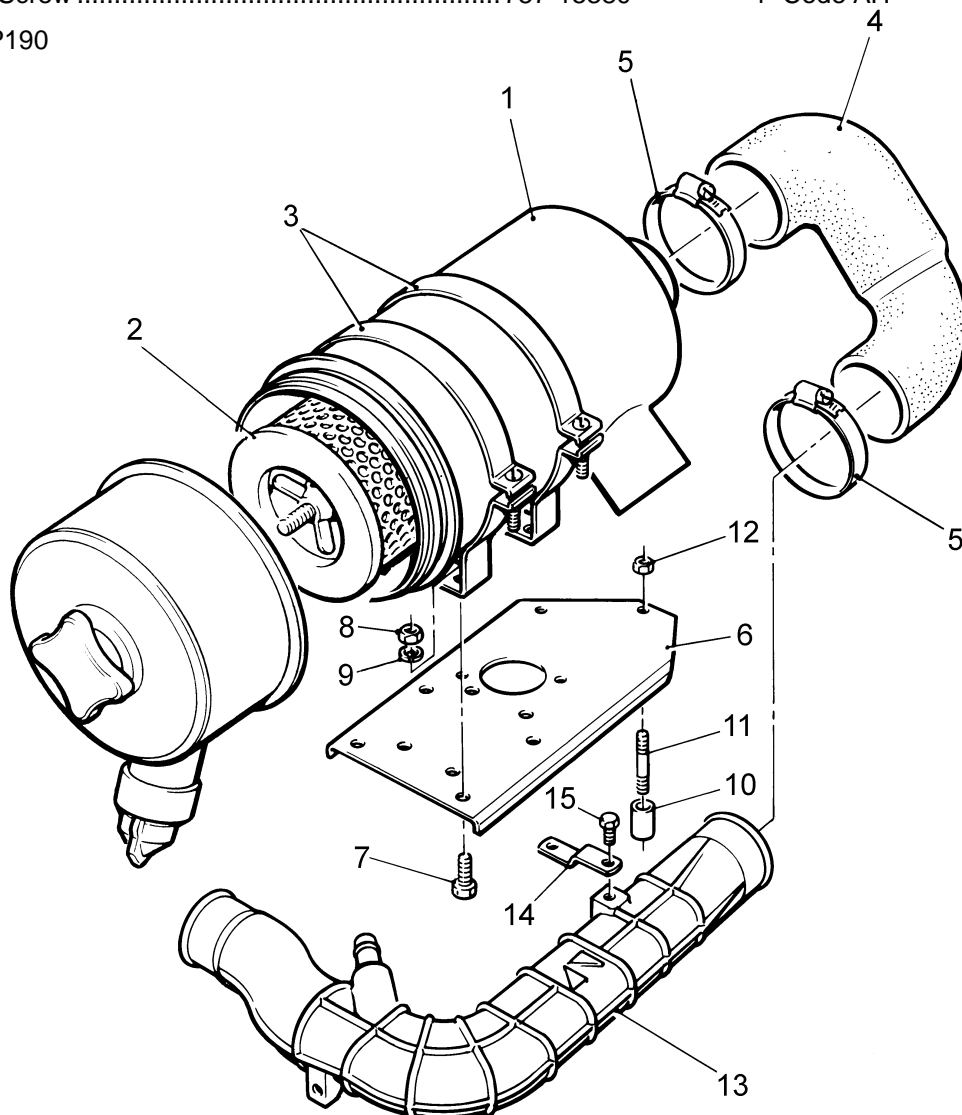
Air Cleaners - LPWT4

6.5" Heavy Duty Cyclonic - Top Mounted

Illustration LP190

No.	Description	Part Number	LPWT			Remarks
			2	3	4	
	Accessory Kit Code AH	750-42350	-	-	1	Use with end mounted turbo
	Accessory Kit Code AL	750-15290	-	-	1	Use with top mounted turbo
1	Air Cleaner Assembly	750-10810	-	-	1	
2	Element	757-15230	-	-	1	
3	Mounting Band	757-15240	-	-	2	
4	Hose	757-24881	-	-	1	Code AH. Replaces 757-24880
-	Hose	751-19110	-	-	1	Code AL
5	Hose Clip	027-04235	-	-	2	
6	Bracket	757-24850	-	-	1	Code AH
-	Bracket	757-27220	-	-	1	
-	Spring Washer	786378	-	-	4	Code AL
7	Screw - M8 x 16mm	272-00674	-	-	4	
8	Nut - M8	272-00680	-	-	4	
9	Spring Washer - M8	272-00360	-	-	4	
10	Spacer	757-24860	-	-	3	Code AH
-	Spacer	757-24870	-	-	1	
11	Stud	272-00788	-	-	4	
12	Nut - M6	272-00679	-	-	4	
13	Air Inlet Pipe	754-42250	-	-	1	Code AH
14	Steady Bracket	754-42361	-	-	1	Code AH
15	Taptight Screw	757-15380	-	-	1	Code AH

Illustration LP190



Air Cleaners - Marine

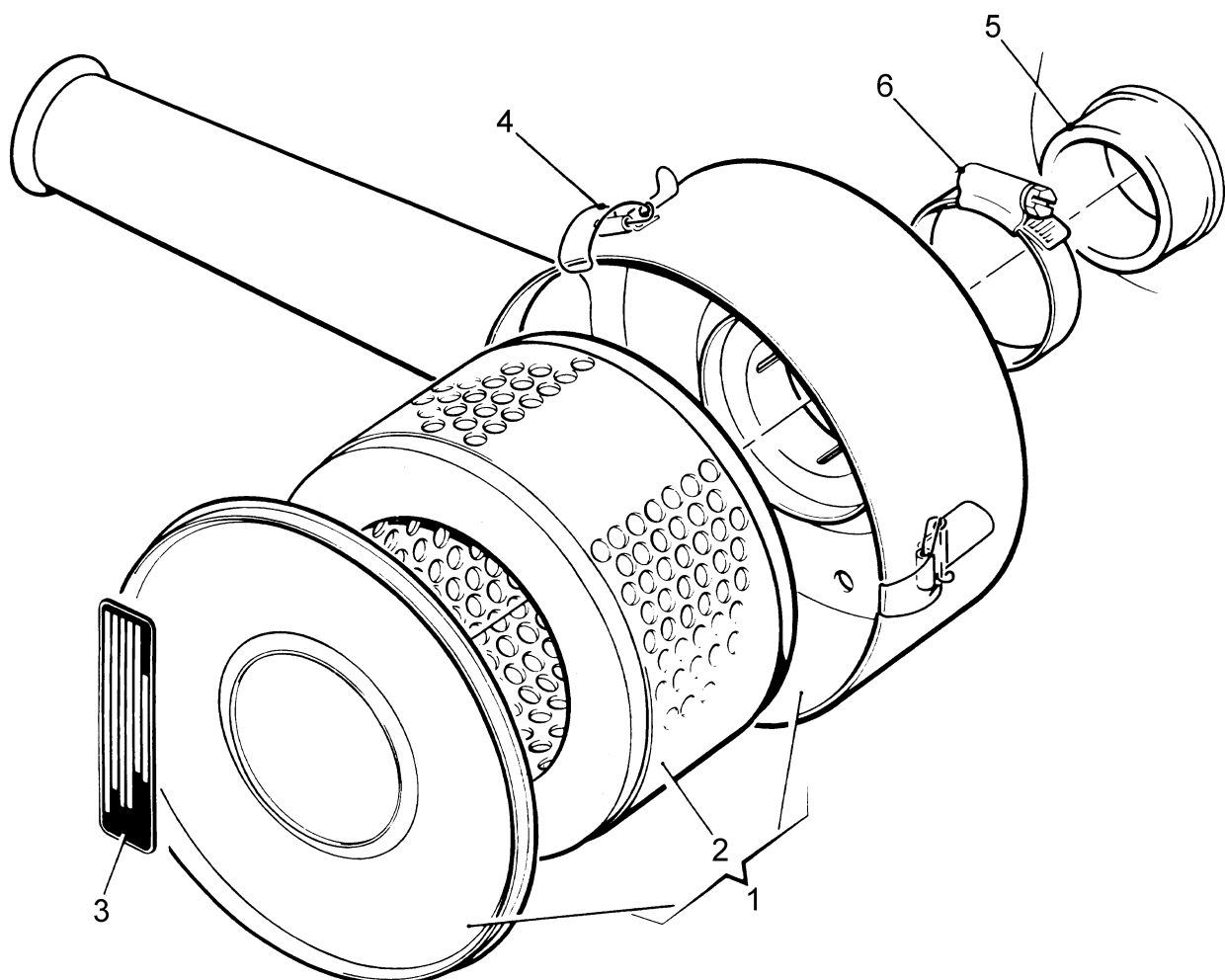
Medium Duty Foam Element

Illustration T184

Description

Part Number	LPW/S/T			Remarks
	2	3	4	
Accessory Kit Code MAA - LPW/S2,3	750-62350	1	1	- LPW/S2 all speeds & LPW/S3 up to 1800r/min
Accessory Kit Code MAB - LPW/S2,3,4	570-31391	1	1	1 LPW/S3 above 1801r/min and LPW/S4 all speeds
Accessory Kit Code MAB - LPWT4	750-63560	-	-	1
1 Air Cleaner	366-07187	1	1	1 Code MAB
- Air Cleaner	757-60730	1	1	- Code MAA
2 Element	366-07189	1	1	1
3 Maintenance Transfer	366-06844	1	1	1 Code MAB
- Maintenance Transfer	366-07218	1	1	- Code MAA
4 Clip	365250	1	1	1
5 Sleeve	366-08094	1	1	1
6 Hose Clip	027-04234	1	1	1
- Hose - LPWT4	366-05870	-	-	1 Code MAB
- Hose Clip - LPWT4	027-04692	-	-	2 Code MAB

Illustration T184



Crankshaft Extension

Flywheel End

Illustration LP31

Description

LPW/S/T
Part Number 2 3 4 Remarks

	Accessory Kit Code BA	750-10640	1	1	1	40mm diameter
	Accessory Kit Code BB	750-10760	1	1	1	Part machined
	Accessory Kit Code BE	750-13360	1	1	1	40mm diameter x 105mm long
	Accessory Kit Code BN	750-15670	1	1	1	Taper Shaft
1	Shaft Extension	757-10910	1	1	1	Code BA
-	Shaft Extension	757-10911	1	1	1	Code BB
-	Shaft Extension	757-21320	1	1	1	Code BE
-	Shaft Extension	757-10913	1	1	1	Code BN
2	Bolt - M10 x 35mm	272-00692	3	3	3	All Codes

Gear End

Illustration LP29

Description

LPW/S/T
Part Number 2 3 4 Remarks

	Accessory Kit Code BZ	750-10650	1	1	1	30mm diameter
1	Shaft Extension	757-10641	1	1	1	
2	Setscrew - M8 x 25mm	272-00698	4	4	4	

Illustration LP31

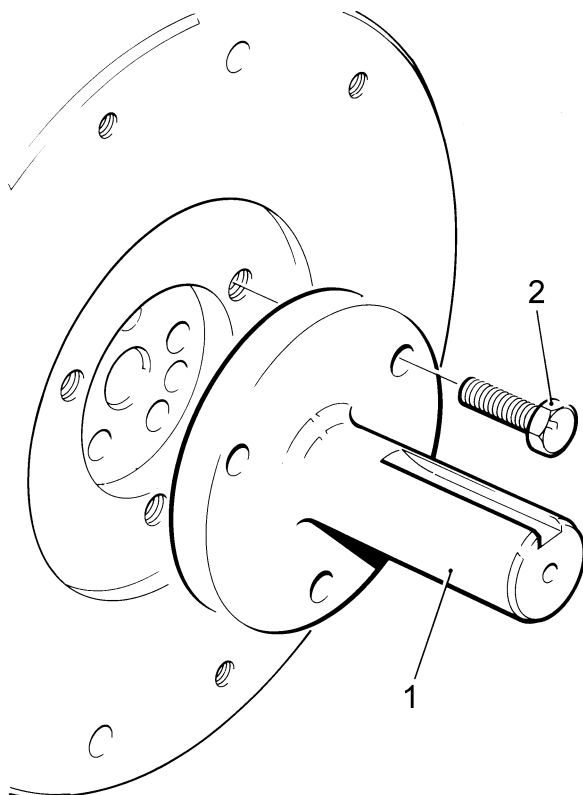
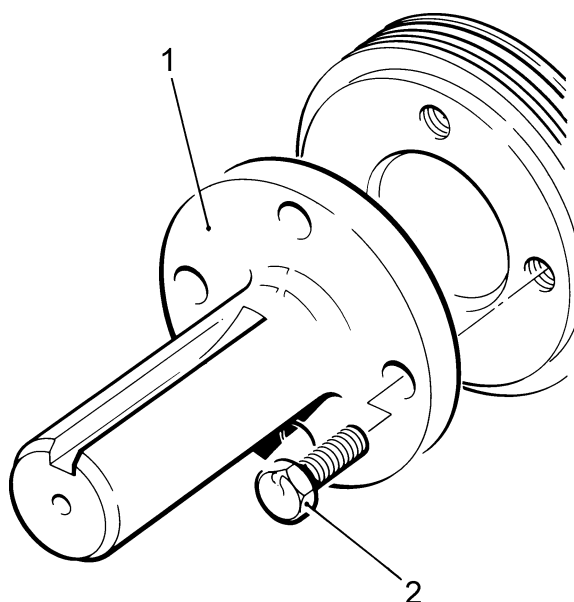


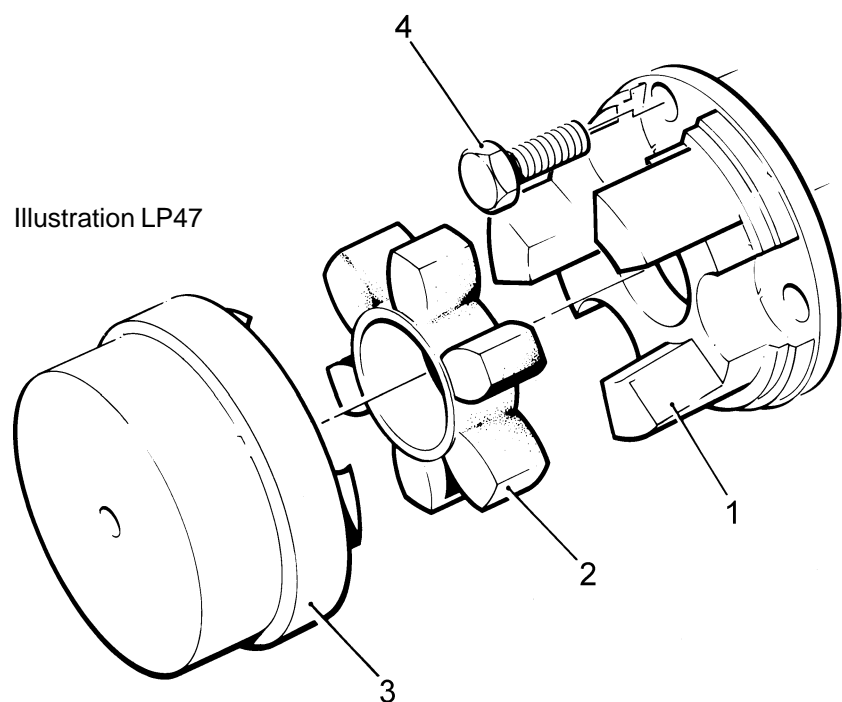
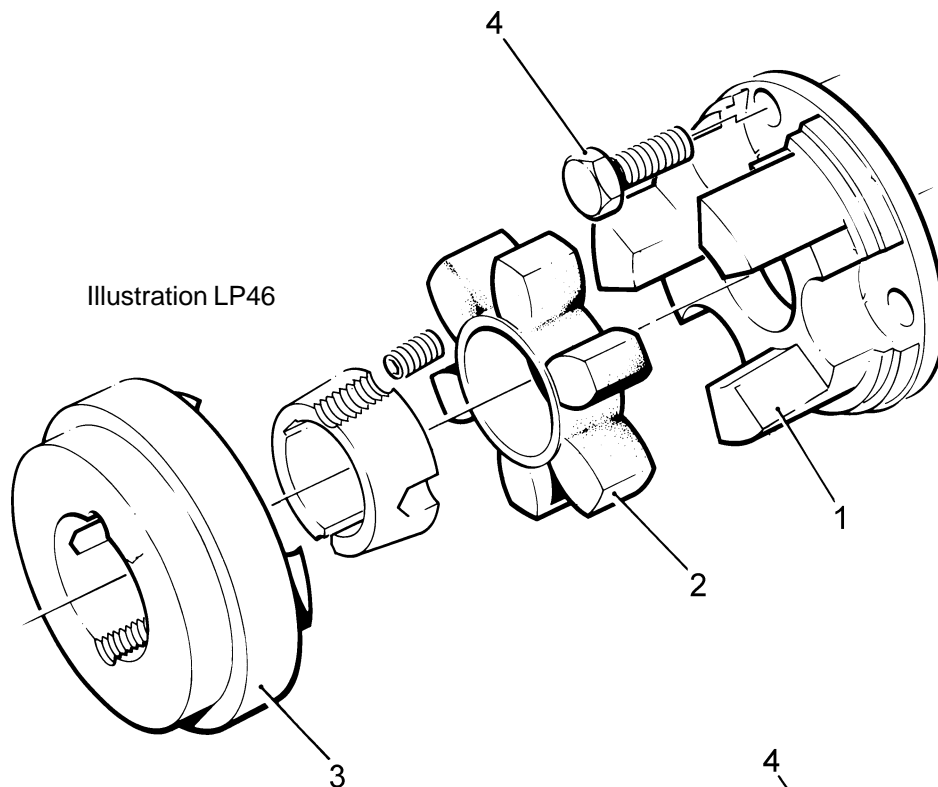
Illustration LP29



Flexible Half Coupling

Illustrations LP46 (Code BC) LP47 (Code BD)
Description

Part Number	LPW/S/T			Remarks
	2	3	4	
Accessory Kit Code BC	750-10790	1	1	1 With Fenner type Flange
Accessory Kit Code BD	750-10800	1	1	1 With Solid boss Flange
1 Coupling	757-14930	1	1	1
2 Element	202-35320	1	1	1
3 Flange (Illustration LP46)	202-35330	1	1	1 Code BC
3 Flange (Illustration LP47)	601-42100	1	1	1 Code BD
4 Setscrew - M10 x 30mm	272-00697	3	3	3



Clutch Fittings

Illustration LP30

No. Description

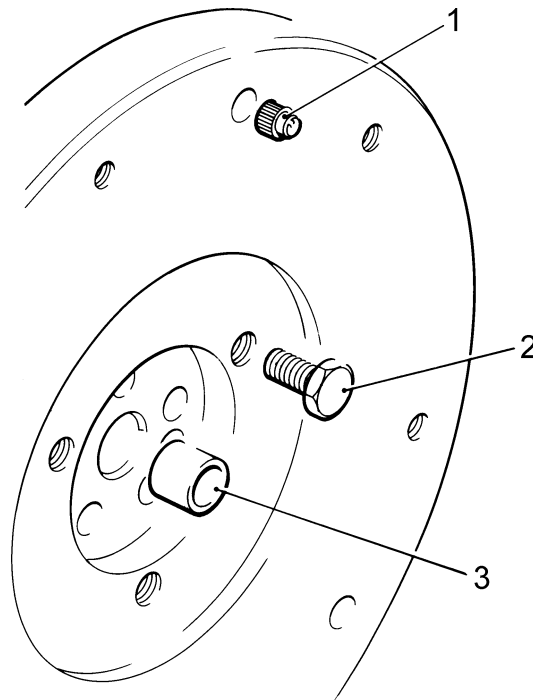
Part Number

LPW/S/T

2 3 4 Remarks

	Accessory Kit Code BG	750-10840	1	1	1	
1	Dowel	202-33580	3	3	3	
2	Setscrew - M8 x 20mm	272-00665	6	6	6	
3	Pilot Bush	202-33810	1	1	1	

Illustration LP30



Flywheel End Spacer Ring

Illustration LP51

Description

Part Number

LPW/S/T

2 3 4 Remarks

	Accessory Kit Code CB	750-10481	1	1	1	
1	SAE5 Spacer Ring	757-12920	1	1	1	
-	Bolt	272-00731	2	2	2	
-	Bolt	272-00700	2	2	2	

Multi-purpose Housing Adaptor - Pilot Bored

Illustration LP58

No. Description

Part Number

LPW/S/T

2 3 4 Remarks

	Accessory Kit Code CD	750-10771	1	1	1	
1	Hydraulic Pump Adaptor	757-13200	1	1	1	
2	Bolt	272-00692	8	8	8	
3	Washer	272-00694	8	8	8	

Illustration LP51

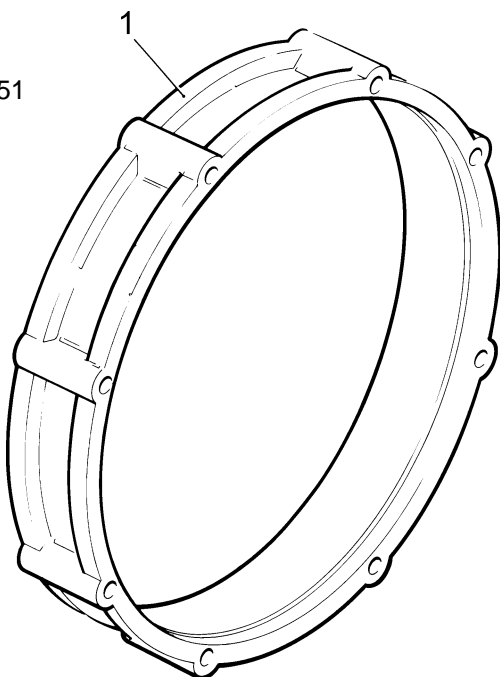
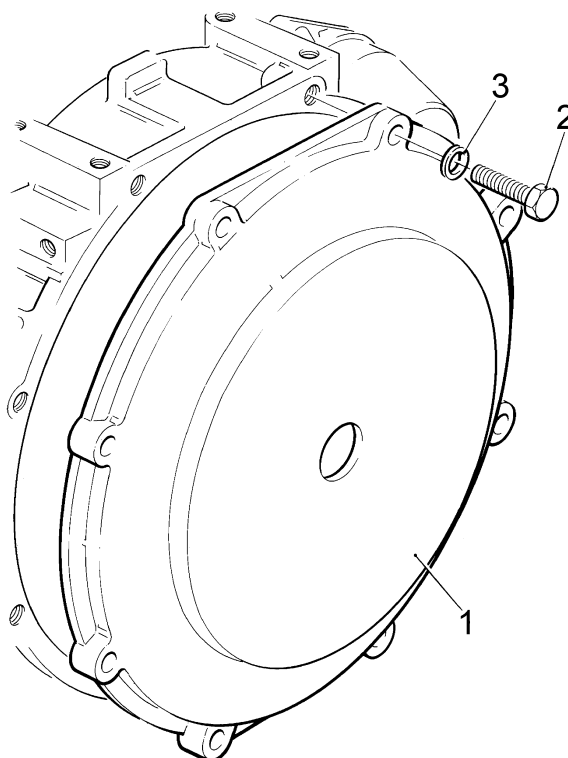


Illustration LP58



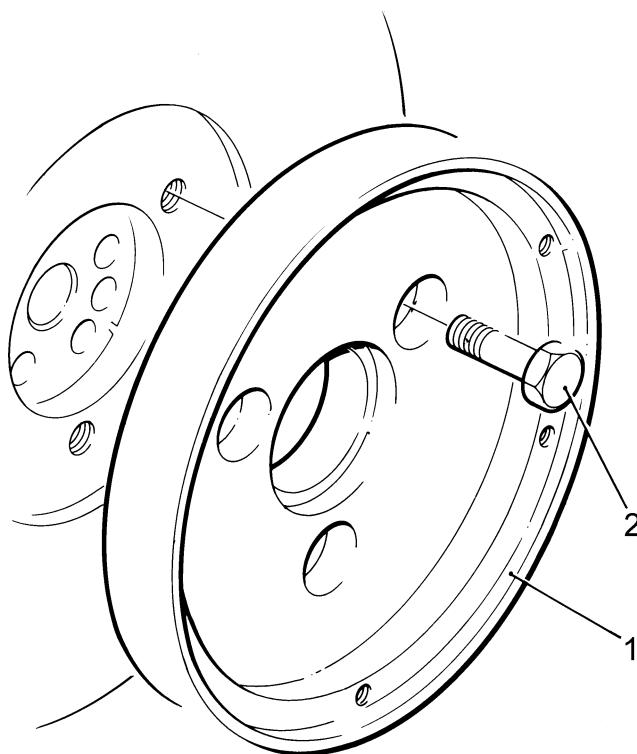
Flywheel Housing

Not Illustrated No. Description	Part Number	LPW/S/T			Remarks
		2	3	4	
Accessory Kit Code CC	750-14740	1	1	1	SAE5 Long Bellhousing. No's 1, 2
Accessory Kit Code CE	750-42380	1	1	1	SAE4 Short Bellhousing. No's 1-9
Accessory Kit Code CF	750-42440	1	1	1	SAE4 Long Bellhousing. No's 1-9
1 Flywheel Housing	751-18250	1	1	1	Code CC
- Flywheel Housing	751-17870	1	1	1	Code CE
- Flywheel Housing	751-17840	1	1	1	Code CF
2 Self Lock Screw	272-00643	4	4	4	
3 Bracket	754-43920	1	1	1	
4 Screw - M8 x 16mm	272-00038	2	2	2	
5 Spring Washer - M8	272-00071	2	2	2	
6 Stud - M10 x 50mm	272-00136	2	2	2	
7 Screw - M8 x 10mm	272-00239	2	2	2	
8 Nut - M10	272-00681	2	2	2	
9 Washer - M10	272-00694	2	2	2	

Flywheel Disc Drive Adaptor

Illustration LP48 No. Description	Part Number	LPW/S/T			Remarks
		2	3	4	
Accessory Kit Code CY - LPW/S2,3,4	750-10441	1	1	1	With 6.5" Adaptor
Accessory Kit Code CZ	750-11051	1	1	1	With 7.5" Adaptor
1 Drive Member - 6.5"	757-14251	1	1	1	Code CY. Replaces 757-14250
- Drive Member - 7.5"	757-12931	1	1	1	Code CZ. Replaces 757-12930
2 Bolt - M10 x 35mm	272-00692	3	3	3	

Illustration LP48



Jockey Pulley

Illustration LP149

No. Description

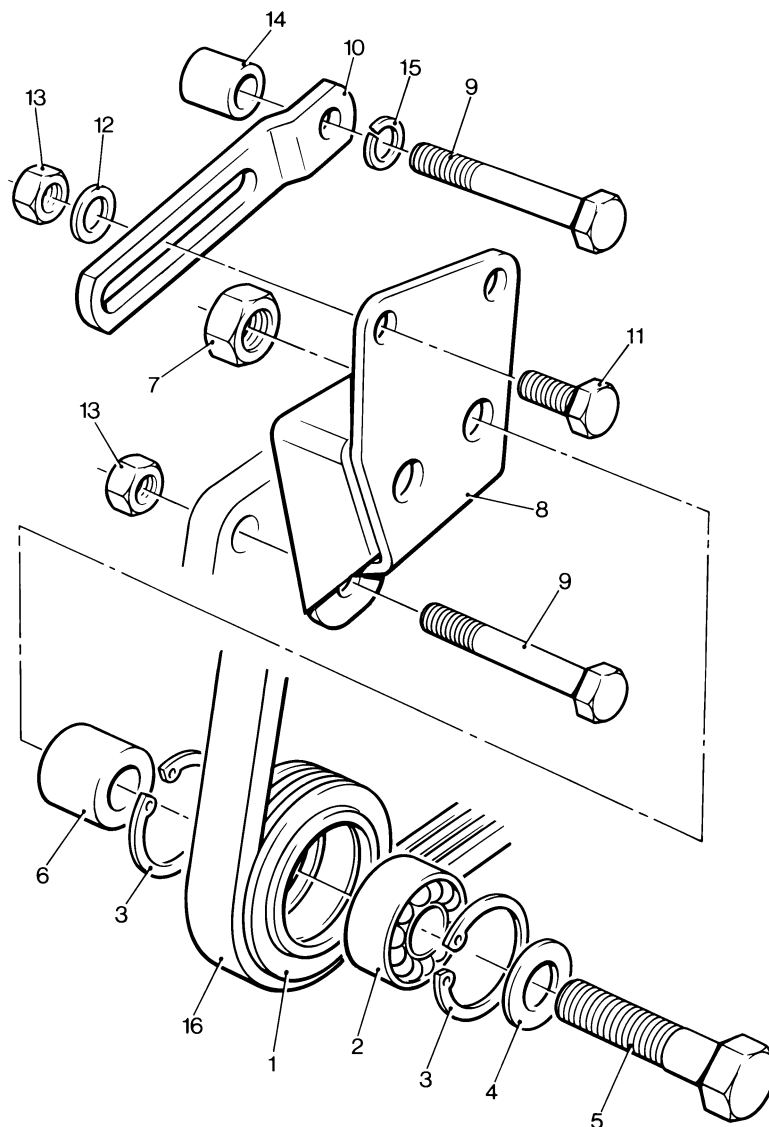
Part Number

LPW/S/T

2 3 4 Remarks

	Accessory Kit Code DC	750-15700	1	1	1	Belt & Pulley only
	Accessory Kit Code DD	750-11001	1	1	1	
1	Idler Pulley	201-44461	1	1	1	
-	Pulley	751-10964	1	1	1	Code DC
2	Bearing	201-32731	1	1	1	
3	Circlip	201-41930	2	2	2	
4	Washer	272-00705	1	1	1	
5	Bolt	272-00709	1	1	1	
6	Spacer	757-14331	1	1	1	
7	Nut	272-00682	1	1	1	
8	Tension Arm Assembly	757-19131	1	1	1	
9	Bolt	272-00710	2	2	2	
10	Adjusting Link	751-11102	1	1	1	
11	Setscrew - M8 x 20mm	272-00665	1	1	1	
12	Washer	272-00715	1	1	1	
13	Nut	272-00680	2	2	2	
14	Spacer	757-14341	1	1	1	
15	Spring Washer	272-00071	1	1	1	Replaces 272-00668
16	Belt	751-17810	1	1	1	Replaces 202-42200

Illustration LP149

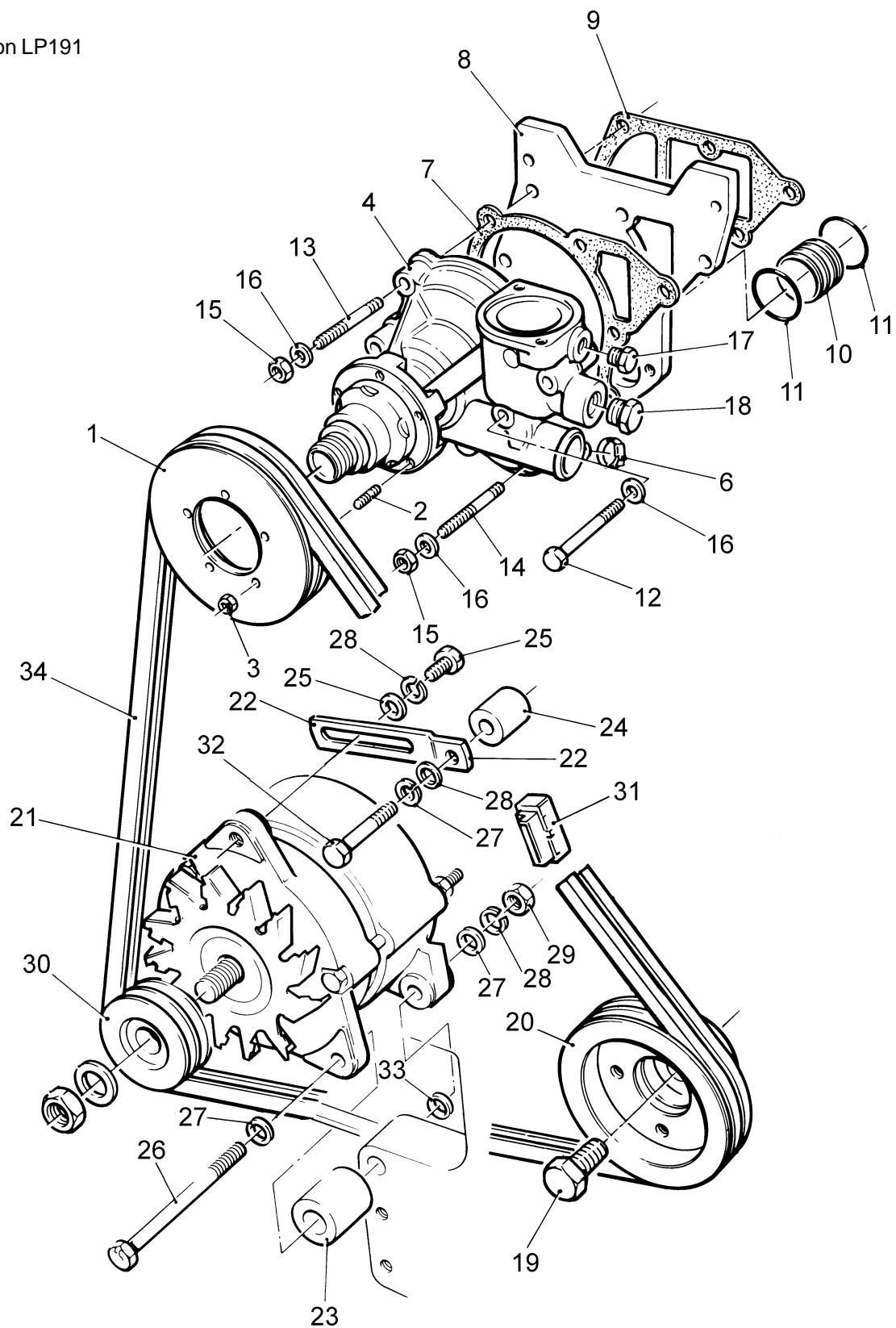


Fire Pump Twin Belt Drive

Illustration LP191

No.	Description	Part Number	LPW/S/T			Remarks
			2	3	4	
	Accessory Kit Code DF	750-41860	1	1	1	
1	Pulley	751-43430	1	1	1	
2	Stud - M6 x 20mm	272-00065	5	5	5	
3	Nut.....	707104	5	5	5	
4	Water Pump Assembly	750-41790	1	1	1	
5	Cap	751-41220	1	1	1	
6	Hose Clip	027-07934	1	1	1	
7	Water Pump Joint	751-40211	1	1	1	
8	Mounting Plate	751-40203	1	1	1	
9	Mounting Plate Joint	751-40450	1	1	1	
10	Sleeve	751-40441	1	1	1	
11	'O' Ring	601-20691	2	2	2	
12	Bolt - M8 x 75mm	272-00047	3	3	3	
13	Stud	272-00630	2	2	2	
14	Stud	751-41330	2	2	2	
15	Nut.....	272-00003	4	4	4	
16	Plain Washer	027-00082	7	7	7	
17	Plug	366-07041	1	1	1	
18	Plug	751-40680	1	1	1	
19	Pulley.....	751-43450	1	1	1	
20	Crankshaft Pulley Bolt	751-14250	1	1	1	
21	Alternator	382-08919	1	1	1	
22	Adjusting Link	751-11102	1	1	1	
23	Distance Piece	751-11110	1	1	1	
24	Spacer	751-45300	1	1	1	Replaces 751-40312
25	Screw - M8 x 20mm	272-00665	1	1	1	
26	Bolt - M8 x 125mm	272-00671	1	1	1	Replaces 272-00790
27	Washer - M8.....	272-00715	4	4	4	
28	Spring Washer - M8	272-00071	3	3	3	
29	Nut - M8	272-00680	1	1	1	
30	Pulley.....	751-43440	1	1	1	
31	Alternator Plug Assembly	757-19520	1	1	1	
32	Bolt - M8 x 50mm	272-00668	1	1	1	
33	Spacer	751-13220	1	1	1	
34	Wedge Belt	751-43470	2	2	2	

Illustration LP191



Heater Connection Kit

Illustration LP169		LPW/S/T			Remarks	
No.	Description	Part Number	2	3		4
	Accessory Kit Code DE	750-40800	-	-	1	Replaces 757-18640
1	Water Pipe Adaptor	757-18641	-	-	1	
2	Setscrew	272-00625	-	-	1	
3	Copper Washer	201-11890	-	-	1	
4	Adaptor	757-22570	-	-	1	
5	Tee Piece	750-42770	-	-	1	
6	Hose Clip	027-04327	-	-	2	

Water Inlet and Outlet Kits - Marine

Water Inlet - Illustration LPM9		LPW/S/T				
No.	Description	Part Number	2	3	4	Remarks
	Former Accessory Kit Code MDC	750-61680	-	-	1	Replaces 750-60120
1	Seacock/Strainer	360-03852	-	-	1	Replaces 360-03851
2	Pipe Adaptor	362-03350	-	-	1	Replaces 362-03050
3	Hose	360-03869	-	-	1	Replaces 854-00926
4	Hose Clip	027-04688	-	-	2	Replaces 027-04686

Water Outlet - Illustration LPM10			LPW/S/T			Remarks
No.	Description	Part Number	2	3	4	
	Accessory Kit Code MDD - LPW/S2,3,4	750-60130	1	1	1	
	Accessory Kit Code MDD - LPWT4	750-63690	-	-	1	
1	Hose Clip	027-04688	2	2	2	
2	Hose	360-03869	1	1	1	
3	Skin Fitting.....	360-03873	1	1	1	
-	Connector - LPWT4	854-01142	-	-	1	

Illustration LP169

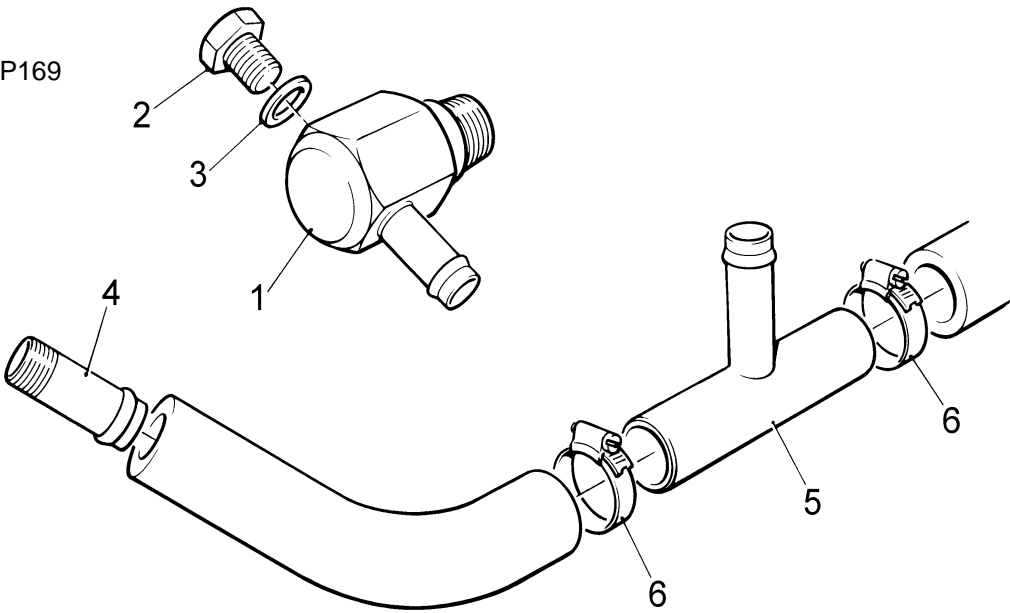


Illustration LPM9

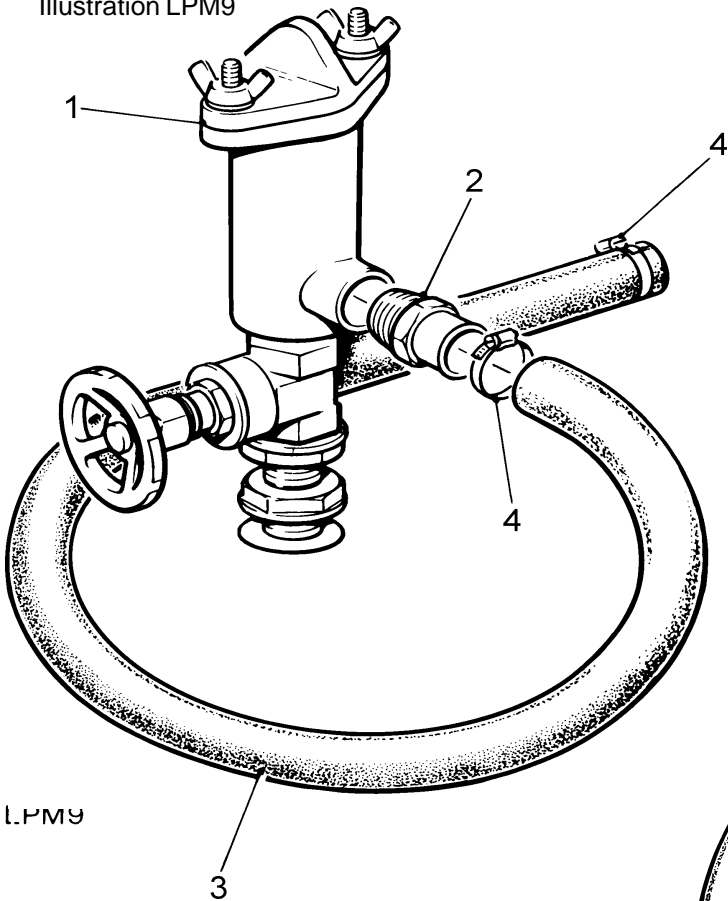
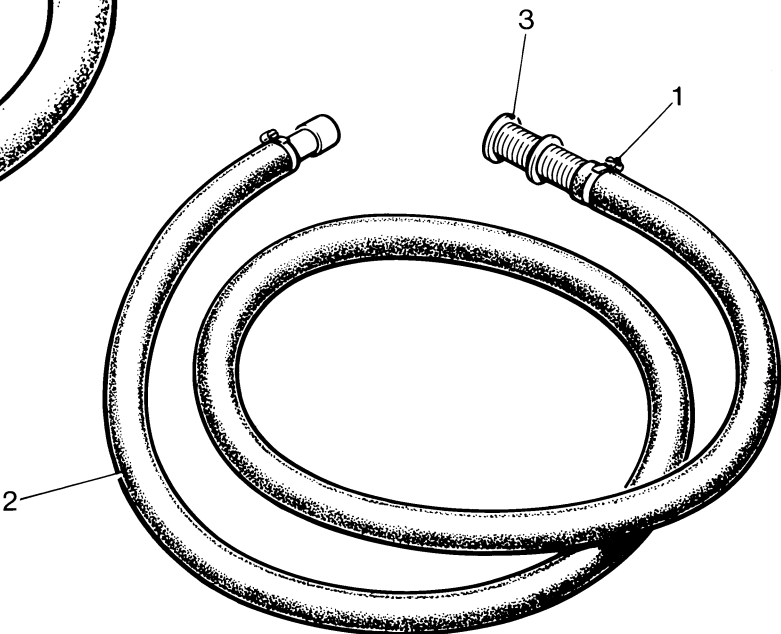


Illustration LPM10



Heat Exchanger - LPW/S2,3 Marine (Early Type)

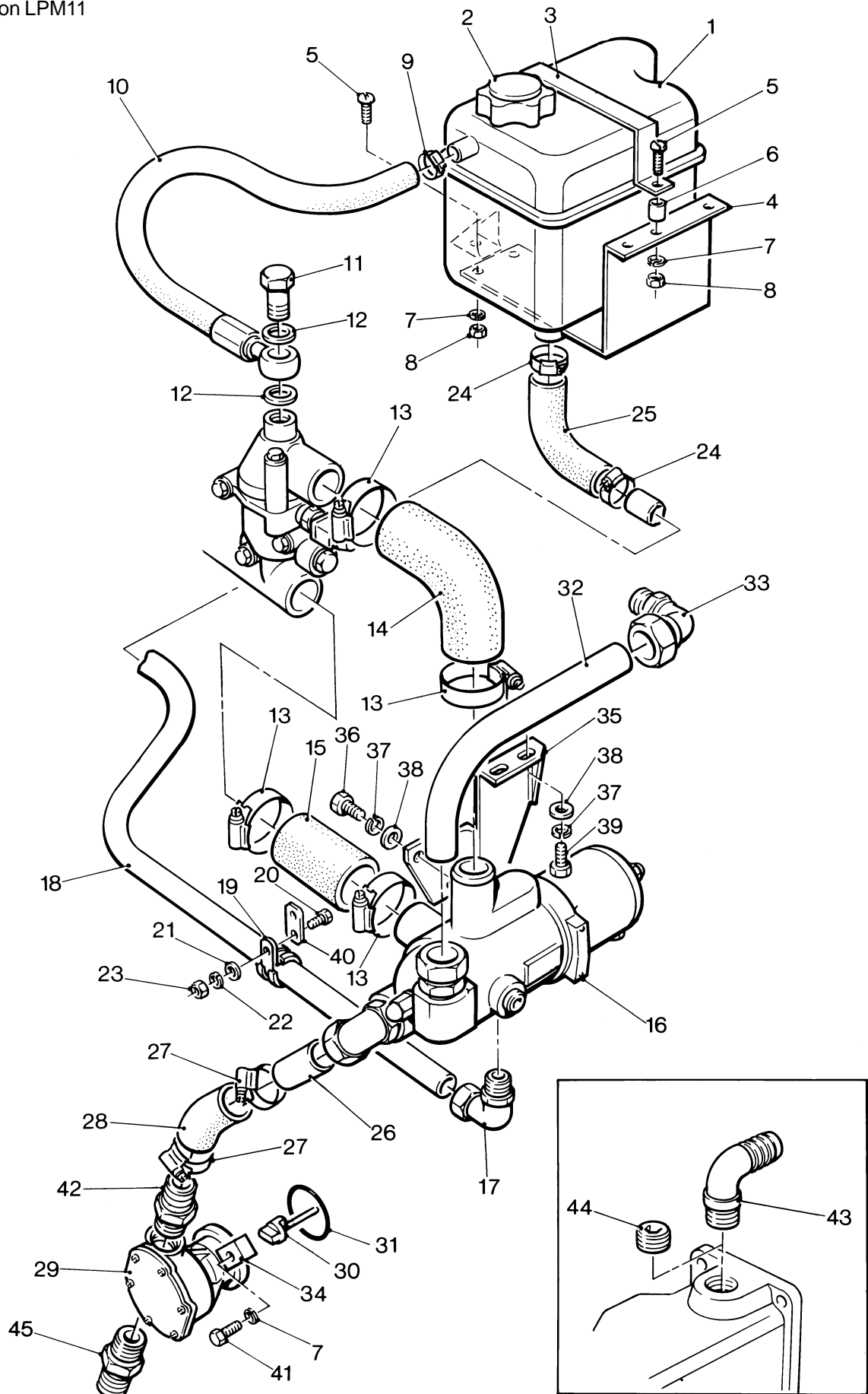
Used with Hurth Gearbox - formally Code MDA

Illustration LPM11

No.	Description	Part Number	LPW/LPWS			Remarks
			2	3	4	

1	Expansion Tank	362-03323	1	1	-	
2	Pressure Cap	362-03324	1	1	-	
3	Strap	854-01167	1	1	-	
4	Mounting Bracket	854-01159	1	1	-	
5	Setscrew	064-35576/043	4	4	-	
6	Spacer	803-02254	2	2	-	
7	Spring Washer	272-00070	6	6	-	
8	Nut	272-00002	3	3	-	
9	Hose Clip	027-06262	1	1	-	
10	Bleed Off Hose	854-01194	1	1	-	
11	Swivel Union Plug	201-15400	1	1	-	
12	Copper Washer	013-22350	2	2	-	
13	Hose Clip	027-04688	2	2	-	
14	Hose Elbow	803-02243	1	1	-	
15	Hose	854-01227	1	1	-	
16	Heat Exchanger Assembly - LPW/S2	362-03355	1	-	-	
-	Heat Exchanger Assembly - LPW/S3	362-03352	-	1	-	
-	Tube Stack - LPW/S2	606-22197/006	1	-	-	
-	Tube Stack - LPW/S3	606-22197/005	-	1	-	
-	Anode	606-22200/001	1	1	-	
-	'O' Ring	606-22134/001	2	2	-	
-	Bonded Seal	606-22134/002	2	2	-	
-	Dome Nut	606-22147/001	2	2	-	
17	Stud Elbow	362-03245	1	1	-	
18	Pipe - LPW/S2	803-02191	1	-	-	
-	Pipe - LPW/S3	854-01230	-	1	-	
19	Pipe Clip	389-04686	1	1	-	
20	Setscrew	272-00039	1	1	-	
21	Washer	064-35719	1	1	-	
22	Spring Washer	272-00071	1	1	-	
23	Nut	272-00003	1	1	-	
24	Hose Clip - LPW/S2	027-04686	2	-	-	
-	Hose Clip - LPW/S3	027-04687	-	2	-	
25	Hose - LPW/S2	803-02266	1	-	-	
-	Hose - LPW/S3	854-01195	-	1	-	
26	Pipe	803-02184	1	1	-	
27	Hose Clip	027-04686	2	2	-	
28	Hose	803-02185	1	1	-	
29	Water Pump - LPW/LPWS2	803-02207	1	-	-	
-	Water Pump - LPW/LPWS3	803-02186	-	1	-	
-	Repair Kit	606-90221/003	1	1	-	
-	Impellor	606-90165/003	1	1	-	
30	Coupling Assembly	750-12250	1	1	-	
31	Sealing Ring	362-03329	1	1	-	
32	Pipe	854-01192	1	1	-	
33	Elbow	362-03344	1	1	-	
34	Clamp	803-02182	2	2	-	
35	Bracket	854-01193	1	1	-	
36	Setscrew	272-00039	3	3	-	
37	Spring Washer	272-00071	5	5	-	
38	Washer	064-35719	5	5	-	
39	Setscrew	272-00038	2	2	-	
40	Plate	803-02189	1	1	-	
41	Setscrew	272-00117	2	2	-	
42	Adaptor	362-03048	1	1	-	
43	Connector	362-03322	1	1	-	
44	Taper Plug	362-03337	2	2	-	
45	Adaptor	362-03047	1	1	-	

Illustration LPM11



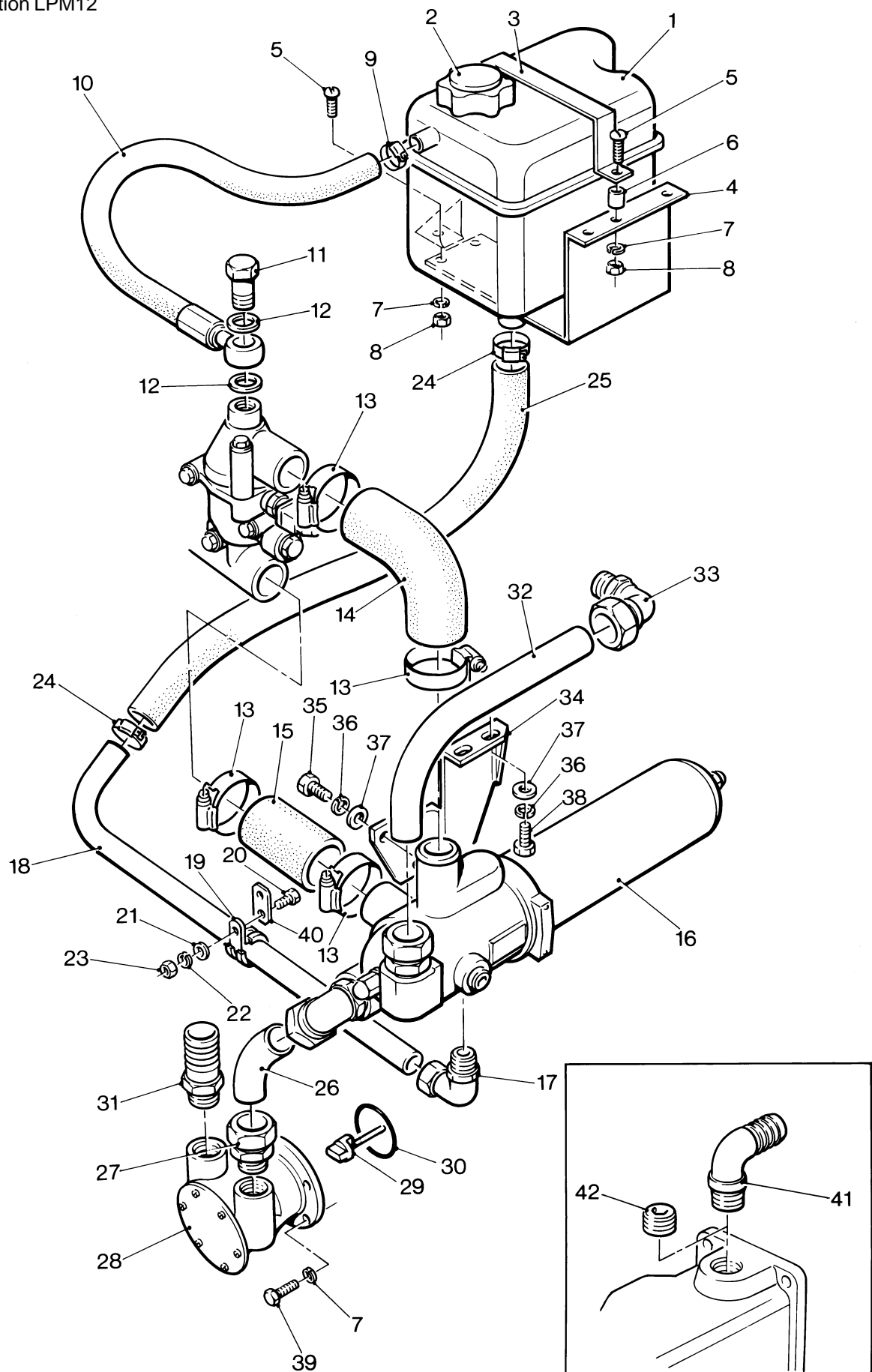
Heat Exchanger - LPW/S4 Marine (Early Type)

Used with Hurth Gearbox - formally Code MDA

Illustration LPM12

No.	Description	Part Number	LPW/LPWS			Remarks
			2	3	4	
1	Expansion Tank	362-03323	-	-	1	
2	Pressure Cap	362-03324	-	-	1	
3	Strap	854-01167	-	-	1	
4	Mounting Bracket	854-01159	-	-	1	
5	Screw	064-35576/043	-	-	4	
6	Spacer	803-02254	-	-	2	
7	Spring Washer	272-00070	-	-	8	
8	Nut	272-00002	-	-	3	
9	Hose Clip	027-06262	-	-	1	
10	Bleed Off Hose	854-01194	-	-	1	
11	Swivel Union Plug	201-15400	-	-	1	
12	Copper Washer	013-22350	-	-	2	
13	Hose Clip	027-04688	-	-	4	
14	Hose Elbow	803-02243	-	-	1	
15	Hose	854-01227	-	-	1	
16	Heat Exchanger Assembly	362-03351	-	-	1	
-	Tube Stack	606-22197/004	-	-	1	
-	Anode	606-22200/001	-	-	1	
-	'O' Ring	606-22134/001	-	-	2	
-	Bonded Seal	606-22134/002	-	-	2	
-	Dome Nut	606-22147/001	-	-	2	
17	Stud Elbow	362-03245	-	-	1	
18	Pipe	854-01230	-	-	1	
19	Pipe Clip	389-04686	-	-	1	
20	Setscrew	272-00039	-	-	1	
21	Washer	064-35719	-	-	1	
22	Spring Washer	272-00071	-	-	1	
23	Nut	272-00003	-	-	1	
24	Hose Clip	027-04687	-	-	2	
25	Hose	854-01195	-	-	1	
26	Pipe	854-01191	-	-	1	
27	Adaptor	362-03343	-	-	1	
28	Water Pump	362-03357	-	-	1	
-	Repair Kit	606-90221/004	-	-	1	
-	Impellor	606-90165/004	-	-	1	
29	Coupling Assembly	750-12250	-	-	1	
30	Sealing Ring	362-03329	-	-	1	
31	Adaptor	362-03350	-	-	1	
32	Pipe	854-01192	-	-	1	
33	Elbow	362-03344	-	-	1	
34	Bracket	854-01193	-	-	1	
35	Setscrew	272-00039	-	-	3	
36	Spring Washer	272-00071	-	-	5	
37	Washer	064-35719	-	-	5	
38	Setscrew	272-00038	-	-	2	
39	Setscrew	272-00034	-	-	4	
40	Plate	803-02189	-	-	1	
41	Connector	362-03322	-	-	1	
42	Taper Plug	362-03337	-	-	2	

Illustration LPM12

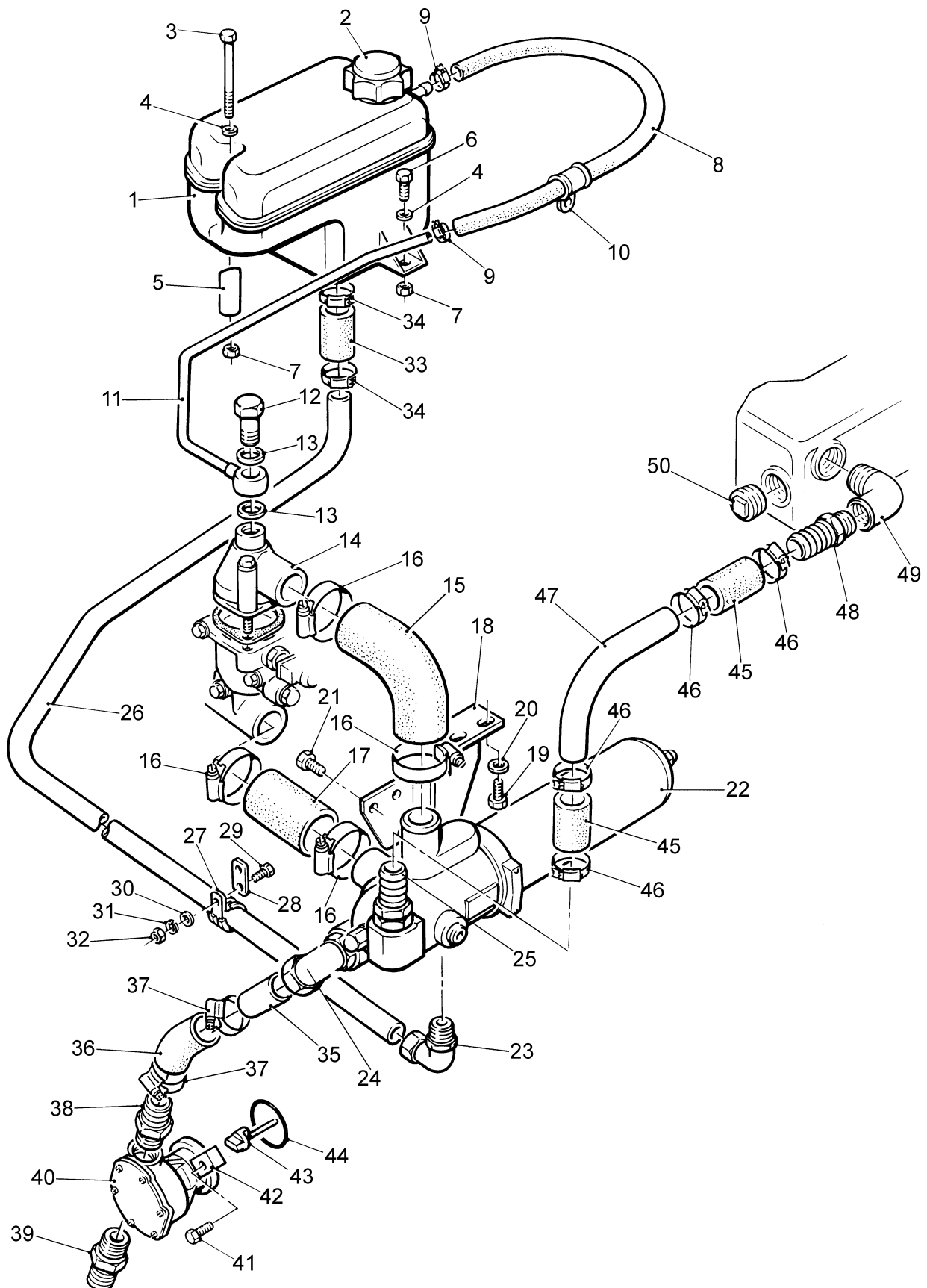


Heat Exchanger - LPW/S2,3 Marine (Later Type)

Used with Hurth Gearbox - Illustration LPM46

No.	Description	Part Number	LPW/LPWS			Remarks
			2	3	4	
	Accessory Kit Code MDA - LPW/LPWS2	750-62560	1	-	-	Replaces 750-60100
	Accessory Kit Code MDA - LPW/LPWS3	750-62570	-	1	-	Replaces 750-60790
1	Expansion Tank	362-03323	1	1	-	
2	Pressure Cap	362-03324	1	1	-	
3	Bolt - M6 x 60mm	272-00658	1	1	-	
4	Washer - M6	272-00688	2	2	-	
5	Spacer	757-60360	1	1	-	
6	Screw - M6 x 16mm	272-00661	1	1	-	
7	Self Locking Nut	272-00372	2	2	-	
8	Hose	803-02225	1	1	-	
9	Hose Clip	027-06262	2	2	-	
10	Pipe Clip	389-04686	1	1	-	
11	Overflow Pipe - LPW/S2	757-60870	1	-	-	
-	Overflow Pipe - LPW/S3	757-60890	-	1	-	
12	Swivel Union Plug	201-15400	1	1	-	
13	Copper Washer	013-22350	2	2	-	
14	Thermostat Cover	803-02271	1	1	-	
-	Thermostat Seat Joint	751-40281	1	1	-	
15	Hose Elbow	803-02243	1	1	-	
16	Hose Clip	027-04688	4	4	-	
17	Hose	854-01227	1	1	-	
18	Mounting Bracket	757-62850	1	1	-	Replaces 757-61350
19	Screw - M8 x 14mm	272-00664	2	2	-	
20	Washer - M8	272-00715	2	2	-	
21	Screw	272-00665	3	3	-	
22	Heat Exchanger Assembly - LPW/S2	750-62810	1	-	-	
-	Heat Exchanger Assembly - LPW/S3	750-62820	-	1	-	
23	Stud Elbow	362-03245	1	1	-	
24	Elbow	803-02183	1	1	-	
25	Adaptor	757-61360	1	1	-	
-	Tube Stack - LPW/S2	606-22197/006	1	-	-	
-	Tube Stack - LPW/S3	606-22197/005	-	1	-	
-	Anode	606-22200/001	1	1	-	
-	'O' Ring	606-22134/001	4	4	-	
-	Bonded Seal	606-22134/002	2	2	-	
-	Dome Nut	606-22147/001	2	2	-	
26	Return Pipe - LPW/S2	757-60940	1	-	-	
-	Return Pipe - LPW/S3	757-60950	-	1	-	
27	Pipe Clip	389-04686	1	1	-	
28	Plate	803-02189	1	1	-	
29	Screw - M8 x 20mm	272-00665	1	1	-	
30	Washer - M8	272-00715	1	1	-	
31	Spring Washer - M8	272-00360	1	1	-	
32	Nut - M8	272-00680	1	1	-	
33	Hose	854-00992	1	1	-	
34	Hose Clip	027-04687	2	2	-	
35	Pipe	803-02184	1	1	-	
36	Hose	803-02185	1	1	-	
37	Hose Clip	027-04686	2	2	-	
38	Adaptor	362-03048	1	1	-	
39	Adaptor	362-03047	1	1	-	
40	Water Pump - LPW/S2	803-02207	1	-	-	
-	Water Pump - LPW/S3	803-02186	-	1	-	
-	Repair Kit	606-90221/003	1	1	-	
-	Impellor	606-90165/003	1	1	-	
41	Screw	272-00661	4	4	-	
42	Clamp	803-02182	2	2	-	
43	Coupling Assembly	750-12250	1	1	-	
44	Sealing Ring	362-03329	1	1	-	
45	Hose	757-61471	2	2	-	Replaces 757-61470
46	Hose Clip	027-04687	4	4	-	
47	Pipe	757-61670	1	1	-	
48	Adaptor	757-61360	1	1	-	
49	Angled Adaptor	757-61380	1	1	-	
50	Taper Plug	757-61641	2	2	-	Replaces 362-03337

Illustration LPM46



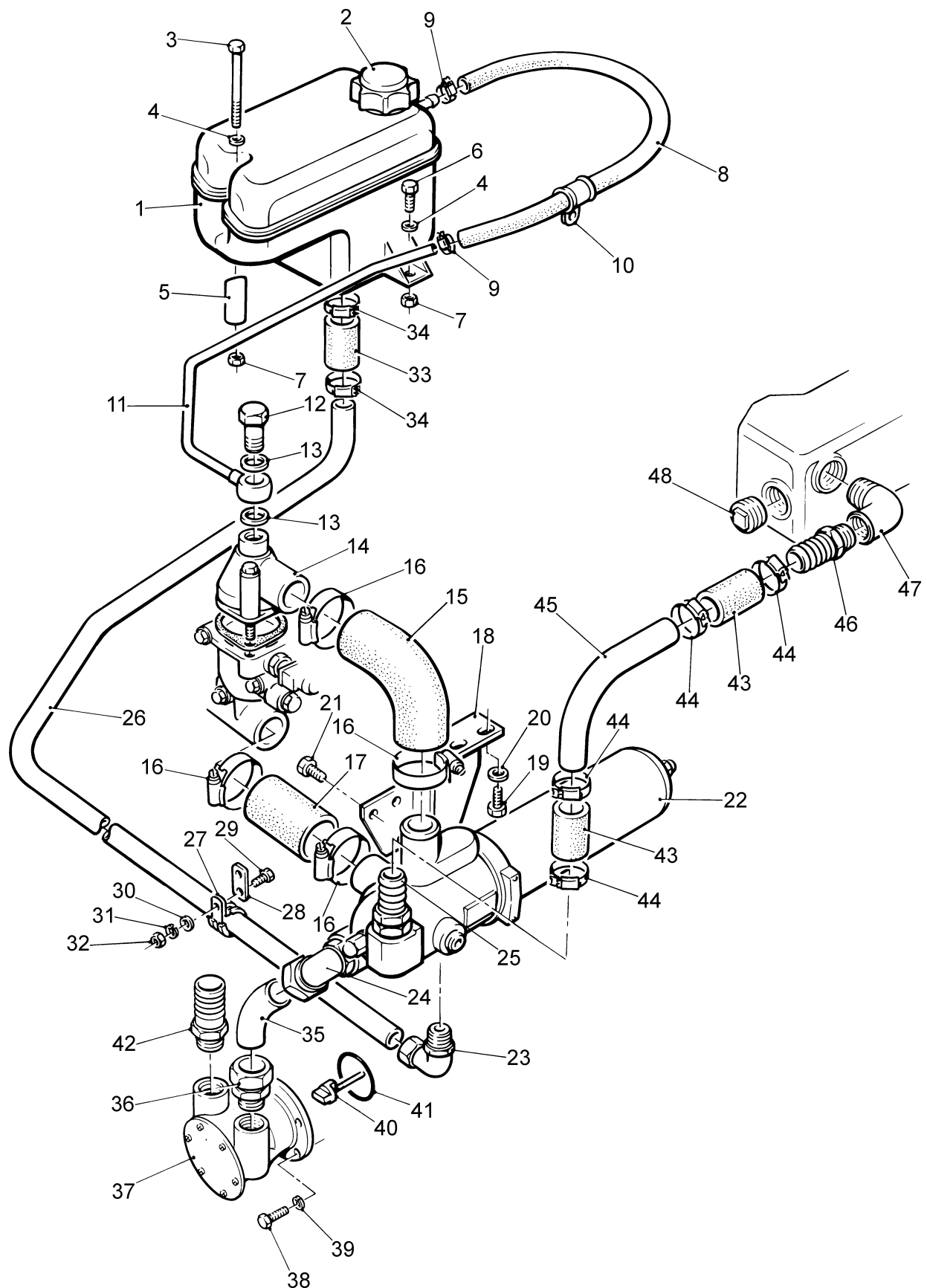
Heat Exchanger - LPW/S4 & LPWT4 Marine (Later Type)

Used with Hurth Gearbox - Illustration LPM47

LPW/LPWS

No.	Description	Part Number	2	3	4	Remarks
	Accessory Kit Code MDA - LPW/S4	750-62580	-	-	1	Replaces 750-61080
	Accessory Kit Code MDA - LPWT4	750-63570	-	-	1	
1	Expansion Tank	362-03323	-	-	1	
2	Pressure Cap	362-03324	-	-	1	
-	Bracket - LPWT4	757-62000	-	-	1	
3	Bolt - LPW/S4	272-00658	-	-	1	
-	Bolt - LPWT4	272-00634	-	-	1	
4	Washer - M6	272-00688	-	-	2	
5	Spacer - LPW/S4	757-60360	-	-	1	
-	Spacer - LPWT4	757-61980	-	-	1	
6	Screw - M6 x 16mm	272-00661	-	-	1	
7	Self Locking Nut	272-00372	-	-	2	
8	Hose	803-02225	-	-	1	
9	Hose Clip	027-06262	-	-	2	
10	Pipe Clip	389-04686	-	-	1	
11	Overflow Pipe - LPW/S4	757-60910	-	-	1	
-	Overflow Pipe - LPWT4	757-61880	-	-	1	
12	Swivel Union Plug	201-15400	-	-	1	
13	Copper Washer	013-22350	-	-	2	
14	Thermostat Cover	803-02271	-	-	1	
-	Thermostat Joint	751-40281	-	-	1	
15	Hose Elbow	803-02243	-	-	1	
16	Hose Clip	027-04688	-	-	4	
17	Hose	854-01227	-	-	1	
18	Mounting Bracket	757-62850	-	-	1	Replaces 757-61350
19	Screw - M8 x 14mm	272-00664	-	-	2	
20	Washer - M8	272-00715	-	-	2	
21	Screw	272-00665	-	-	3	
22	Heat Exchanger Assembly	750-62830	-	-	1	
23	Stud Elbow	362-03245	-	-	1	
24	Elbow	362-03344	-	-	1	
25	Adaptor	757-61360	-	-	1	
-	Tube Stack	606-22197/004	-	-	1	
-	Anode	606-22200/001	-	-	1	
-	'O' Ring	606-22134/001	-	-	4	
-	Bonded Seal	606-22134/002	-	-	2	
-	Dome Nut	606-22147/001	-	-	2	
26	Return Pipe - LPW/S4	757-60960	-	-	1	
-	Return Pipe - LPWT4	757-62010	-	-	1	
27	Pipe Clip	389-04686	-	-	1	
28	Plate	803-02189	-	-	1	
29	Screw - M8 x 20mm	272-00665	-	-	1	
30	Washer - M8	272-00715	-	-	1	
31	Spring Washer - M8	272-00360	-	-	1	
32	Nut - M8	272-00680	-	-	1	
33	Hose	854-00992	-	-	1	
34	Hose Clip	027-04687	-	-	2	
35	Pipe	854-01191	-	-	1	
36	Adaptor	362-03343	-	-	1	
37	Water Pump	362-03357	-	-	1	
-	Repair Kit	606-90221/004	-	-	1	
-	Impellor	606-90165/004	-	-	1	
38	Screw	272-00661	-	-	4	
39	Spring Washer	786378	-	-	4	
40	Coupling Assembly	750-12250	-	-	1	
41	Sealing Ring	362-03329	-	-	1	
42	Adaptor	362-03350	-	-	1	
43	Hose	757-61471	-	-	2	Replaces 757-61470
44	Hose Clip	027-04687	-	-	4	
45	Pipe - LPW/S4	757-61670	-	-	1	
-	Pipe - LPWT4	757-61671	-	-	1	
46	Adaptor	757-61360	-	-	1	
47	Angled Adaptor	757-61380	-	-	1	
48	Taper Plug	757-61641	-	-	2	Replaces 362-03337

Illustration LPM47



Heat Exchanger - LPW/S2,3 Marine (Early Type)

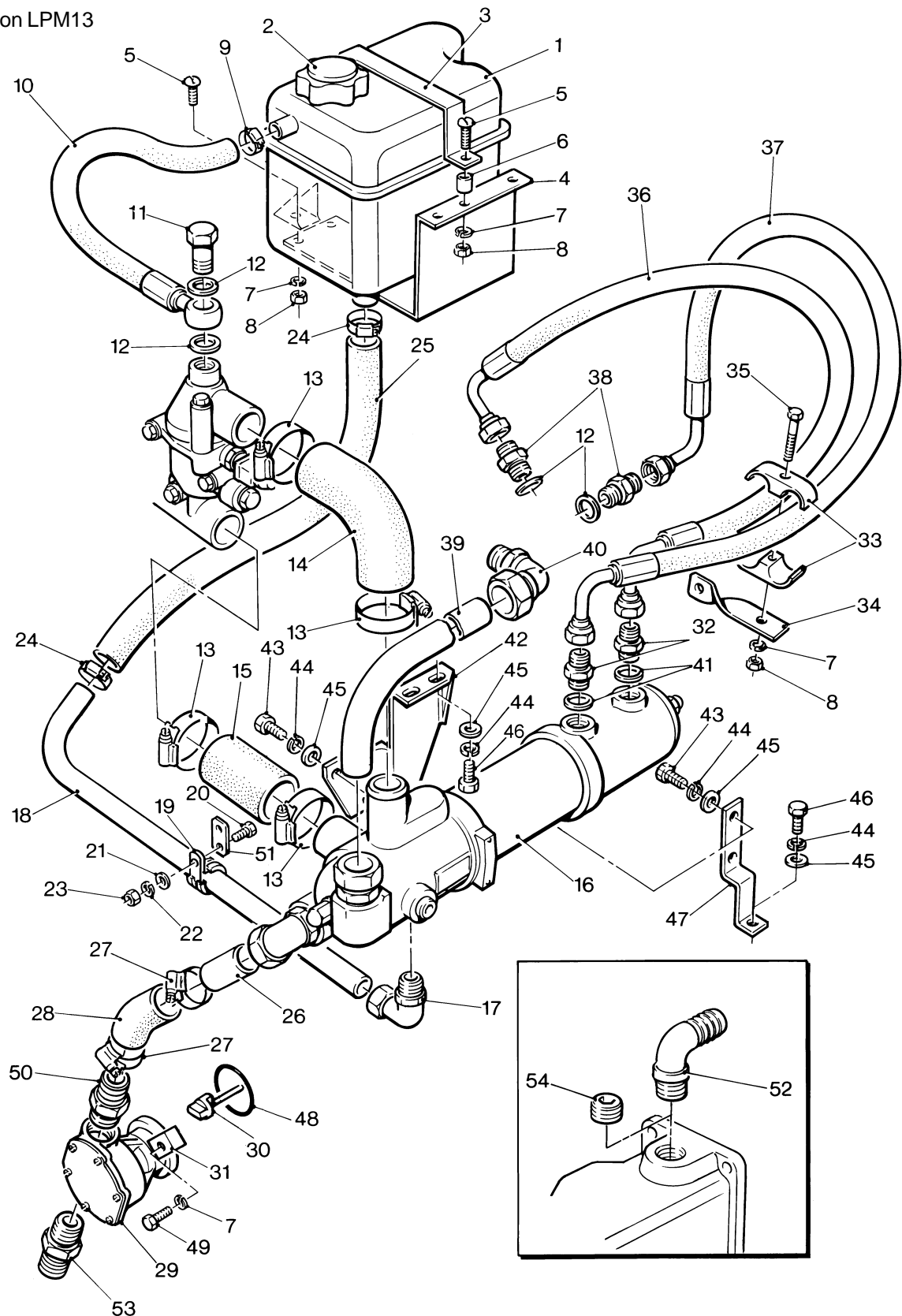
Used with PRM Gearbox - formally Code MDB

Illustration LPM13

No.	Description	Part Number	LPW/LPWS			Remarks
			2	3	4	
1	Expansion Tank	362-03323	1	1	-	
2	Pressure Cap	362-03324	1	1	-	
3	Strap	854-01167	1	1	-	
4	Mounting Bracket	854-01159	1	1	-	
5	Setscrew	064-35576/043	4	4	-	
6	Spacer	803-02254	2	2	-	
7	Spring Washer	272-00070	7	7	-	
8	Nut	272-00002	4	4	-	
9	Hose Clip	027-06262	1	1	-	
10	Bleed Off Hose	854-01194	1	1	-	
11	Swivel Union Plug	201-15400	1	1	-	
12	Copper Washer	013-22350	1	1	-	
13	Hose Clip	027-04688	4	4	-	
14	Hose Elbow	803-02243	1	1	-	
15	Hose	854-01227	1	1	-	
16	Heat Exchanger Assembly - LPW/LPWS2	362-03356	1	-	-	
-	Heat Exchanger Assembly - LPW/LPWS3	362-03354	-	1	-	
-	Tube Stack - LPW/S2	606-22197/003	1	-	-	
-	Tube Stack - LPW/S3	606-22197/002	-	1	-	
-	Tube Stack - Oil Cooler	606-22197/007	1	1	-	
-	Anode	606-22200/001	1	1	-	
-	'O' Ring	606-22134/001	4	4	-	
-	Bonded Seal	606-22134/002	2	2	-	
-	Dome Nut	606-22147/001	2	2	-	
17	Stud Elbow	362-03245	1	1	-	
18	Pipe - LPW/S2	803-02191	1	-	-	
-	Pipe - LPW/S3	854-01230	-	1	-	
19	Pipe Clip	389-04686	1	1	-	
20	Setscrew	272-00039	1	1	-	
21	Washer	064-35719	1	1	-	
22	Spring Washer	272-00071	1	1	-	
23	Nut	272-00003	1	1	-	
24	Hose Clip - LPW/S2	027-04686	2	-	-	
-	Hose Clip - LPW/S3	027-04687	-	2	-	
25	Hose - LPW/S2	803-02266	1	-	-	
-	Hose - LPW/S3	854-01195	-	1	-	
26	Pipe	803-02184	1	1	-	
27	Hose Clip	027-04686	2	2	-	
28	Hose	803-02185	1	1	-	
29	Water Pump - LPW/S2	803-02207	1	-	-	
-	Water Pump - LPW/S3	803-02186	-	1	-	
-	Repair Kit	606-90221/003	1	1	-	
-	Impellor	606-90165/003	1	1	-	
30	Coupling Assembly	750-12250	1	1	-	
31	Clamp	803-02182	2	2	-	
32	Union	389-04080	2	2	-	
33	Clamp	362-03363	1	1	-	
34	Bracket	854-01231	1	1	-	
35	Bolt	272-00036	1	1	-	
36	Flexible Pipe	854-01196	1	1	-	
37	Flexible Pipe	854-01197	1	1	-	
38	Connector	366-01100	2	2	-	
39	Pipe	854-01192	1	1	-	
40	Elbow	362-03344	1	1	-	
41	Copper Washer	291-30630	2	2	-	
42	Bracket	854-01193	1	1	-	
43	Setscrew	272-00039	5	5	-	
44	Spring Washer	272-00071	8	8	-	
45	Washer	064-35719	8	8	-	
46	Setscrew	272-00038	3	3	-	

47	Bracket	854-01233	1	1	-
48	Sealing Ring	362-03329	1	1	-
49	Set screw	272-00117	2	2	-
50	Adaptor	362-03048	1	1	-
51	Plate	803-02189	1	1	-
52	Connector	362-03322	1	1	-
53	Adaptor	362-03047	1	1	-
54	Taper Plug	362-03337	2	2	-

Illustration LPM13



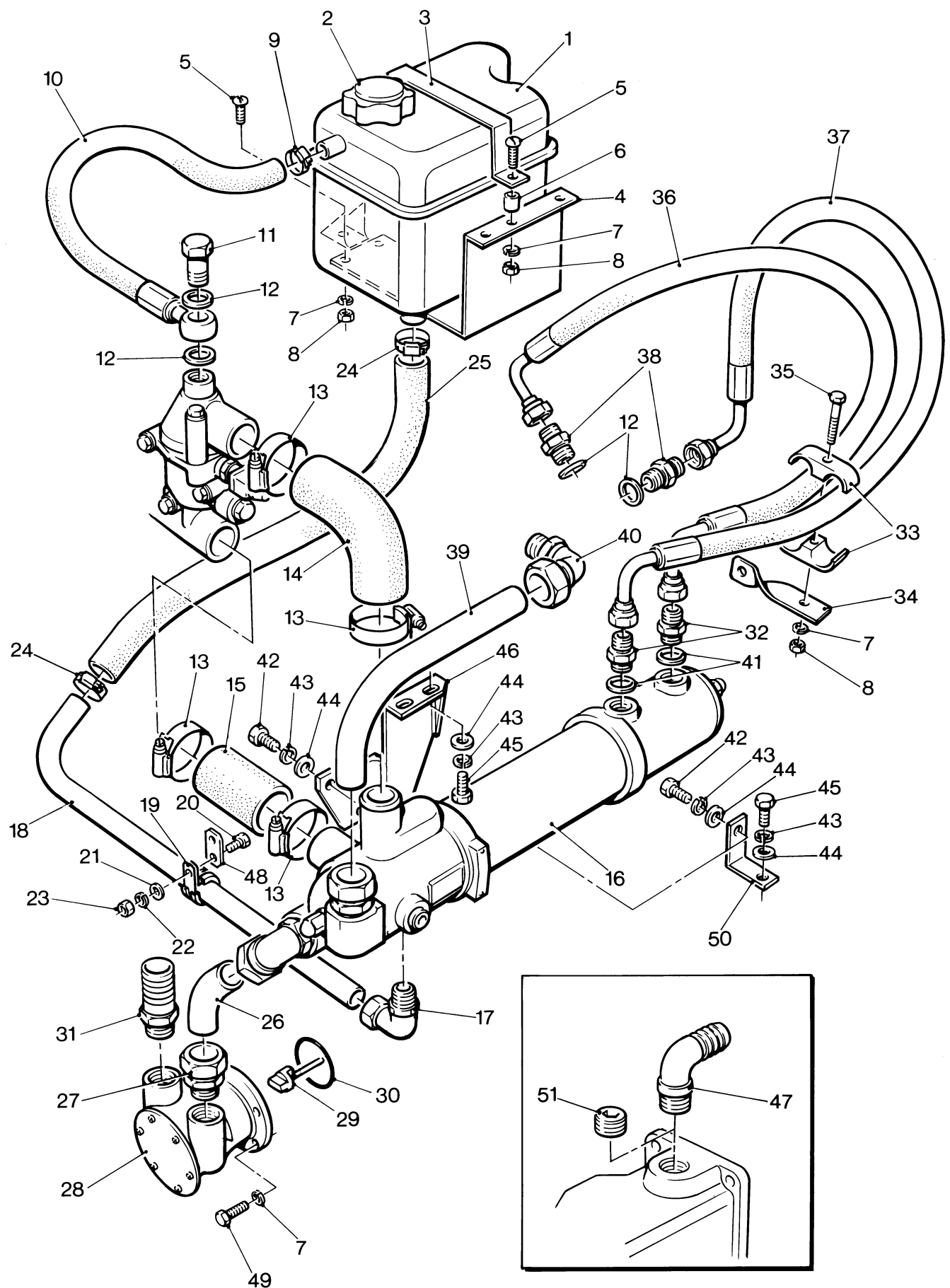
Heat Exchanger - LPW/S4 Marine (Early Type)

Used with PRM Gearbox - formally Code MDB

Illustration LPM14

No.	Description	Part Number	LPW/LPWS			Remarks
			2	3	4	
1	Expansion Tank	362-03323	-	-	1	
2	Pressure Cap	362-03324	-	-	1	
3	Strap	854-01167	-	-	1	
4	Mounting Bracket	854-01159	-	-	1	
5	Setscrew	064-35576/043	-	-	4	
6	Spacer	803-02254	-	-	2	
7	Spring Washer	272-00070	-	-	9	
8	Nut	272-00002	-	-	4	
9	Hose Clip	027-06262	-	-	1	
10	Bleed Off Hose	854-01194	-	-	1	
11	Swivel Union Plug	201-15400	-	-	1	
12	Copper Washer	013-22350	-	-	2	
13	Hose Clip	027-04688	-	-	4	
14	Hose Elbow	803-02243	-	-	1	
15	Hose	854-01227	-	-	1	
16	Heat Exchanger Assembly	362-03353	-	-	1	
-	Tube Stack	606-22197/001	-	-	1	
-	Tube Stack - Oil Cooler	606-22197/007	-	-	1	
-	Anode	606-22200/001	-	-	1	
-	'O' Ring	606-22134/001	-	-	4	
-	Bonded Seal	606-22134/002	-	-	2	
-	Dome Nut	606-22147/001	-	-	2	
17	Stud Elbow	362-03245	-	-	1	
18	Pipe	854-01230	-	-	1	
19	Pipe Clip	389-04686	-	-	1	
20	Setscrew	272-00039	-	-	1	
21	Washer	064-35719	-	-	1	
22	Spring Washer	272-00071	-	-	1	
23	Nut	272-00003	-	-	1	
24	Hose Clip	027-04687	-	-	1	
25	Hose	854-01195	-	-	1	
26	Pipe	854-01191	-	-	1	
27	Adaptor	362-03343	-	-	1	
28	Water Pump	362-03357	-	-	1	
-	Repair Kit	606-90221/004	-	-	1	
-	Impellor	606-90165/004	-	-	1	
29	Coupling Assembly	750-12250	-	-	1	
30	Sealing Ring	362-03329	-	-	1	
31	Adaptor	362-03350	-	-	1	
32	Union	389-04080	-	-	2	
33	Clamp	362-03363	-	-	1	
34	Bracket	854-01231	-	-	1	
35	Bolt	272-00036	-	-	1	
36	Flexible Pipe	854-01196	-	-	1	
37	Flexible Pipe	854-01197	-	-	1	
38	Connector	366-01100	-	-	2	
39	Pipe	854-01192	-	-	1	
40	Elbow	362-03344	-	-	1	
41	Copper Washer	291-30630	-	-	2	
42	Setscrew	272-00039	-	-	4	
43	Spring Washer	272-00071	-	-	7	
44	Washer	064-35719	-	-	7	
45	Setscrew	272-00038	-	-	3	
46	Bracket	854-01193	-	-	1	
47	Connector	362-03322	-	-	1	
48	Plate	803-02189	-	-	1	
49	Setscrew	272-00034	-	-	4	
50	Bracket - LPW4	854-01233	-	-	1	
-	Bracket - LPWS4	854-01232	-	-	1	
51	Taper Plug	362-03337	-	-	2	

Illustration LPM14



Heat Exchanger - LPW/S2,3 Marine (Later Type)

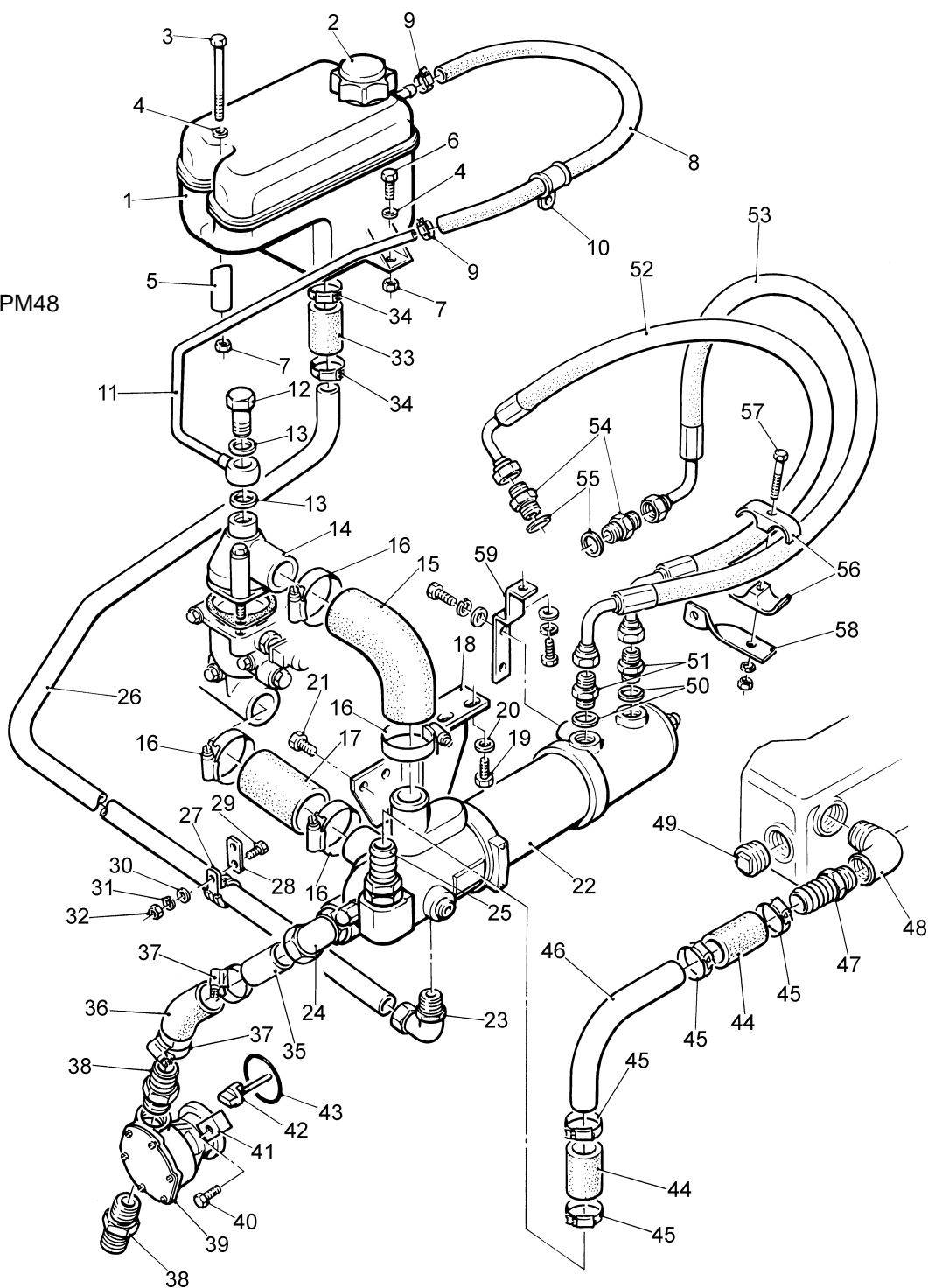
Used with PRM Gearbox

Illustration LPM48

No.	Description	Part Number	LPW/LPWS			Remarks
			2	3	4	
	Accessory Kit Code MDB - LPW/S2	750-62600	1	-	-	Replaces 750-60140
	Accessory Kit Code MDB - LPW/S3	750-62610	-	1	-	Replaces 750-60810
1	Expansion Tank	362-03323	1	1	-	
2	Pressure Cap	362-03324	1	1	-	
3	Bolt - M6 x 60mm	272-00658	1	1	-	
4	Washer - M6	272-00688	2	2	-	
5	Spacer	757-60360	1	1	-	
6	Screw - M6 x 16mm	272-00661	1	1	-	
7	Self Locking Nut	272-00372	2	2	-	
8	Hose	803-02225	1	1	-	
9	Hose Clip	027-06262	2	2	-	
10	Pipe Clip	389-04686	1	1	-	
11	Overflow Pipe - LPW/S2	757-60870	1	-	-	
-	Overflow Pipe - LPW/S3	757-60890	-	1	-	
12	Swivel Union Plug	201-15400	1	1	-	
13	Copper Washer	013-22350	2	2	-	
14	Thermostat Cover	803-02271	1	1	-	
-	Thermostat Seat Joint	751-40281	1	1	-	
15	Hose Elbow	803-02243	1	1	-	
16	Hose Clip	027-04688	4	4	-	
17	Hose	854-01227	1	1	-	
18	Mounting Bracket	757-62850	1	1	-	Replaces 757-61350
19	Screw - M8 x 14mm	272-00664	2	2	-	
20	Washer - M8	272-00715	2	2	-	
21	Screw	272-00665	3	3	-	
22	Heat Exchanger Assembly - LPW/S2	750-62850	1	-	-	
-	Heat Exchanger Assembly - LPW/S3	750-62860	-	1	-	
23	Stud Elbow	362-03245	1	1	-	
24	Elbow	803-02183	1	1	-	
25	Adaptor	757-61360	1	1	-	
-	Tube Stack - LPW/S2	606-22197/003	1	-	-	
-	Tube Stack - LPW/S3	606-22197/002	-	1	-	
-	Tube Stack - Oil Cooler	606-22197/007	1	1	-	
-	Anode	606-22200/001	1	1	-	
-	'O' Ring	606-22134/001	4	4	-	
-	Bonded Seal	606-22134/002	2	2	-	
-	Dome Nut	606-22147/001	2	2	-	
26	Return Pipe - LPW/S2	757-60940	1	-	-	
-	Return Pipe - LPW/S3	757-60950	-	1	-	
27	Pipe Clip	389-04686	1	1	-	
28	Plate	803-02189	1	1	-	
29	Screw - M8 x 20mm	272-00665	1	1	-	
30	Washer - M8	272-00715	1	1	-	
31	Spring Washer - M8	272-00360	1	1	-	
32	Nut - M8	272-00680	1	1	-	
33	Hose	854-00992	1	1	-	
34	Hose Clip	027-04687	2	2	-	
35	Pipe	803-02184	1	1	-	
36	Hose	803-02185	1	1	-	
37	Hose Clip	027-04686	2	2	-	
38	Adaptor	362-03048	2	2	-	
39	Water Pump - LPW/S2	803-02207	1	-	-	
-	Water Pump - LPW/S3	803-02186	-	1	-	
-	Repair Kit	606-90221/003	1	1	-	
-	Impellor	606-90165/003	1	1	-	
40	Screw	272-00661	4	4	-	
41	Clamp	803-02182	2	2	-	
42	Coupling Assembly	750-12250	1	1	-	
43	Sealing Ring	362-03329	1	1	-	
44	Hose	757-61471	2	2	-	Replaces 757-61470

45	Hose Clip	027-04687	4	4	-
46	Pipe	757-61670	1	1	-
47	Adaptor	757-61360	1	1	-
48	Angled Adaptor	757-61380	1	1	-
49	Taper Plug	757-61641	2	2	- Replaces 362-03337
50	Copper Washer	291-30630	2	2	-
51	Union	389-04080	2	2	-
52	Flexible Pipe Assembly	854-01196	1	1	-
53	Flexible Pipe Assembly	854-01197	1	1	-
54	Connector	366-01100	2	2	-
55	Copper Washer	013-22350	2	2	-
56	Clamp	362-03363	1	1	-
57	Bolt	272-00634	1	1	-
58	Bracket	854-01231	1	1	-
59	Bracket	854-01232	1	1	-

Illustration LPM48



Heat Exchanger - LPW/S4 & LPWT4 Marine (Later Type)

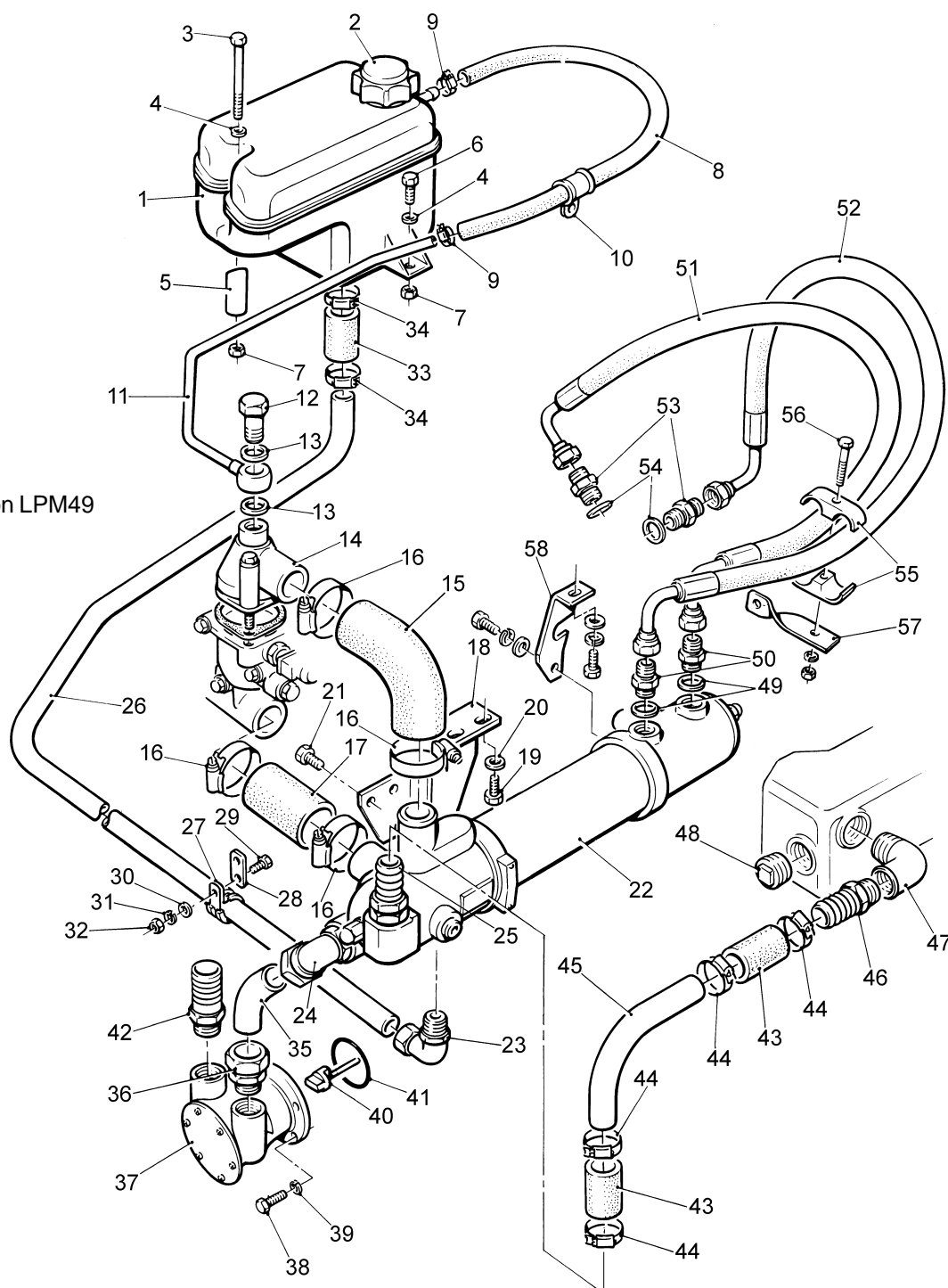
Used with PRM Gearbox

Illustration LPM49

No.	Description	Part Number	LPW/LPWS			Remarks
			2	3	4	
	Accessory Kit Code MDB - LPW4	750-62621	-	-	1	Replaces 750-61110
	Accessory Kit Code MDB - LPWS4	750-62620	-	-	1	Replaces 750-61700
	Accessory Kit Code MDB - LPWT4	750-63571	-	-	1	
1	Expansion Tank	362-03323	-	-	1	
2	Pressure Cap	362-03324	-	-	1	
-	Bracket - LPWT4	757-62000	-	-	1	
3	Bolt - LPW/S4	272-00658	-	-	1	
-	Bolt - LPWT4	272-00634	-	-	1	
4	Washer - M6	272-00688	-	-	2	
5	Spacer - LPW/S4	757-60360	-	-	1	
-	Spacer - LPWT4	757-61980	-	-	1	
6	Screw - M6 x 16mm	272-00661	-	-	1	
7	Nut	272-00372	-	-	2	
8	Hose	803-02225	-	-	1	
9	Hose Clip	027-06262	-	-	2	
10	Pipe Clip	389-04686	-	-	1	
11	Overflow Pipe - LPW/S4	757-60910	-	-	1	
-	Overflow Pipe - LPWT4	757-61880	-	-	1	
12	Swivel Union Plug	201-15400	-	-	1	
13	Copper Washer	013-22350	-	-	2	
14	Thermostat Cover	803-02271	-	-	1	
-	Thermostat Seat Joint	751-40281	-	-	1	
15	Hose Elbow	803-02243	-	-	1	
16	Hose Clip	027-04688	-	-	4	
17	Hose	854-01227	-	-	1	
18	Mounting Bracket	757-62850	-	-	1	Replaces 757-61350
19	Screw - M8 x 14mm	272-00664	-	-	2	
20	Washer - M8	272-00715	-	-	2	
21	Screw	272-00665	-	-	3	
22	Heat Exchanger Assembly	750-62870	-	-	1	
23	Stud Elbow	362-03245	-	-	1	
24	Elbow	362-03344	-	-	1	
25	Adaptor	757-61360	-	-	1	
-	Tube Stack	606-22197/001	-	-	1	
-	Tube Stack - Oil Cooler	606-22197/007	-	-	1	
-	Anode	606-22200/001	-	-	1	
-	'O' Ring	606-22134/001	-	-	4	
-	Bonded Seal	606-22134/002	-	-	2	
-	Dome Nut	606-22147/001	-	-	2	
26	Return Pipe - LPW/S4	757-60960	-	-	1	
-	Return Pipe - LPWT4	757-62010	-	-	1	
27	Pipe Clip	389-04686	-	-	1	
28	Plate	803-02189	-	-	1	
29	Screw - M8 x 20mm	272-00665	-	-	1	
30	Washer - M8	272-00715	-	-	1	
31	Spring Washer - M8	272-00360	-	-	1	
32	Nut - M8	272-00680	-	-	1	
33	Hose	854-00992	-	-	1	
34	Hose Clip	027-04687	-	-	2	
35	Pipe	854-01191	-	-	1	
36	Adaptor	362-03343	-	-	1	
37	Water Pump	362-03357	-	-	1	
-	Repair Kit	606-90221/004	-	-	1	
-	Impellor	606-90165/004	-	-	1	
38	Screw	272-00661	-	-	4	
39	Spring Washer	786378	-	-	4	
40	Coupling Assembly	750-12250	-	-	1	
41	Sealing Ring	362-03329	-	-	1	
42	Adaptor	362-03350	-	-	1	
43	Hose	757-61471	-	-	2	Replaces 757-61470

44	Hose Clip	027-04687	-	-	4	
45	Pipe - LPW/S4	757-61670	-	-	1	
-	Pipe - LPWT4	757-61671	-	-	1	
46	Adaptor	757-61360	-	-	1	
47	Angled Adaptor	757-61380	-	-	1	
48	Taper Plug	757-61641	-	-	2	Replaces 362-03337
49	Copper Washer	291-30630	-	-	2	
50	Union	389-04080	-	-	2	
51	Flexible Pipe	854-01196	-	-	1	
52	Flexible Pipe	854-01197	-	-	1	
53	Connector	366-01100	-	-	2	
54	Copper Washer	013-22350	-	-	2	
55	Clamp	362-03363	-	-	1	
56	Bolt	272-00634	-	-	1	
57	Bracket	854-01231	-	-	1	
58	Bracket - LPW4	757-61770	-	-	1	
-	Bracket - LPWS4	854-01232	-	-	1	

Illustration LPM49



Keel Cooling - LPW/S Marine (Early Type)

Illustration LPM15 - formally Code MDE

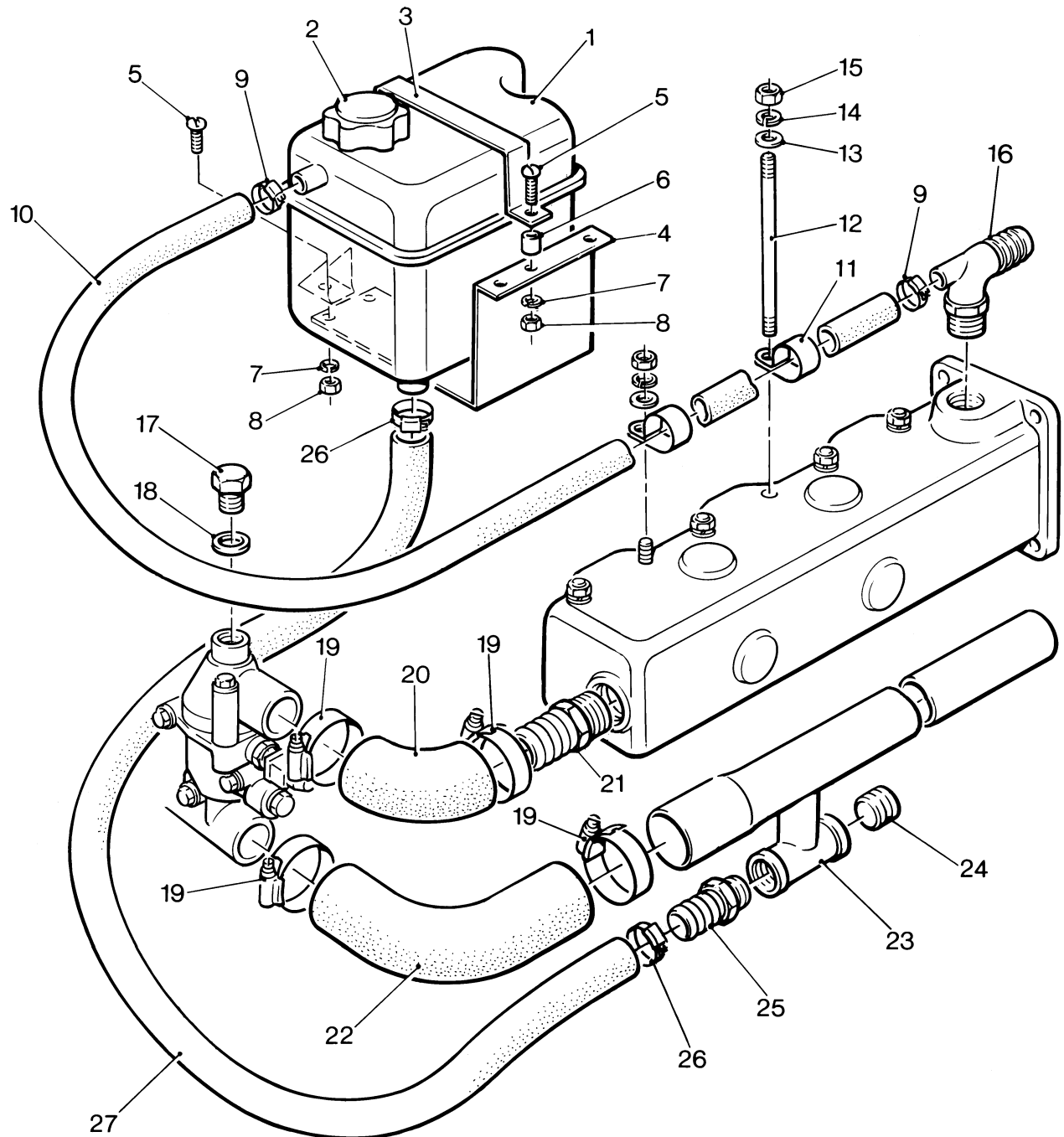
LPW/LPWS

No.	Description	Part Number	2	3	4	Remarks
1	Expansion Tank	362-03323	1	1	1	
2	Pressure Cap	362-03324	1	1	1	
3	Strap	854-01167	1	1	1	
4	Mounting Bracket	854-01159	1	1	1	
5	Screw	064-35576/043	4	4	4	
6	Spacer	803-02254	2	2	2	
7	Spring Washer	272-00070	4	4	4	
8	Nut	272-00002	3	3	3	
9	Hose Clip	027-06262	2	2	2	
10	Bleed Hose - LPWS3, LPW/S4	854-01172	1	1	1	
11	'P' Clip	064-08827	1	2	2	
12	Stud	362-03333	1	2	2	
13	Washer	064-35719	1	2	2	
14	Spring Washer	272-00070	1	2	2	
15	Nut	272-00002	1	2	2	
16	Connector	854-01141	1	1	1	
17	Blanking Plug	201-15400	1	1	1	
18	Copper Washer	013-22350	1	1	1	
19	Hose Clip	027-04688	4	4	4	
20	Hose Elbow	854-01229	1	1	1	
21	Connector	854-01142	1	1	1	
22	Hose Elbow	854-01223	1	1	1	
23	Pipe Assembly	854-01218	1	1	1	
24	Plug	362-03339	1	1	1	
25	Adaptor	362-03048	1	1	1	
26	Pipe Clip	064-17478	2	2	2	
27	Hose	854-01171	1	1	1	

Note:

With this early type Keel Cooling System, separate fittings were required, as shown in 'Keel Cooling Fitting Kits - LPW/S Marine (Early Types)' section.

Illustration LPM15



Keel Cooling Fitting Kits - LPW/S Marine (Early Types)

For Hurth Gearbox - formally code MDF

Illustration LPM35

No.	Description	Part Number	LPW/LPWS			Remarks
			2	3	4	
1	Adaptor	362-03048	1	1	1	
2	Plug	362-03339	1	1	1	
3	Pipe Assembly	854-01217	1	1	1	

For Newage PRM Delta Gearbox - formally code MDG

Illustration LPM30

No.	Description	Part Number	LPW/LPWS			Remarks
			2	3	4	
1	Adaptor	362-03048	1	1	1	
2	Plug	362-03339	1	1	1	
3	Pipe Assembly - LPW/S2	803-02222	1	-	-	
-	Pipe Assembly - LPW/S3	803-02193	-	1	-	
-	Pipe Assembly - LPW/S4	854-01218	-	-	1	
4	Cooler Bracket - LPW/S3,4	854-01178	-	1	1	
5	Setscrew - LPW/S3,4	272-00038	-	2	2	
6	Spring Washer	272-00071	2	2	2	
7	Washer - LPW/S3,4	064-35719/007	-	2	2	
8	Oil Cooler	362-03336	1	1	1	
9	Clamp	362-03338	1	1	1	
10	Capscrew	362-03340	2	2	2	
11	Spring Washer	272-00070	2	2	2	
12	Nut	272-00002	2	2	2	
13	Hose Clip	027-04688	1	1	2	
14	Copper Washer	291-30630	2	2	2	
15	Union	389-04080	2	2	2	
16	Pipe Assembly	854-01050	1	1	1	
17	Pipe Assembly	854-01051	1	1	1	
18	Union	366-01100	2	2	2	
19	Copper Washer	013-22350	2	2	2	
-	Pipe - LPW/S2	854-01248	1	-	-	
-	Distance Piece - LPW/S2	203-40750	1	-	-	
-	Distance Piece - LPW/S2	854-00651	1	-	-	
-	Setscrew - LPW/S2	272-00040	1	-	-	

For 160 Gearbox - formally code MDH

Not Illustrated

No.	Description	Part Number	LPW/LPWS			Remarks
			2	3	4	
	Adaptor	362-03048	-	1	1	
	Plug	362-03339	-	2	2	
	Cooler Bracket	854-01247	-	1	1	
	Oil Cooler	362-03336	-	1	1	
	Clamp	362-03338	-	1	1	
	Capscrew	362-03340	-	1	1	
	Pipe Assembly	854-01050	-	1	1	
	Pipe Assembly	854-01051	-	1	1	
	Pipe Assembly	854-01246	-	1	1	
	Pipe	854-01248	-	1	1	
	Hose Clip	027-04688	-	2	2	
	Hose	201-15390	-	1	1	
	Distance Piece	203-40750	-	1	1	
	Bracket	356-44150	-	1	1	
	Union	389-04080	-	4	4	
	Pipe Clip	389-04746	-	1	1	
	Distance Piece	854-00380	-	1	1	

Illustration LPM35

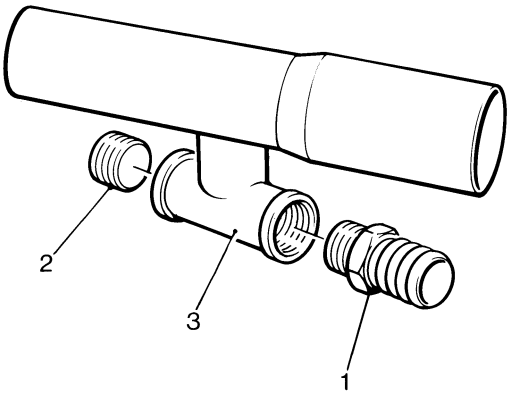
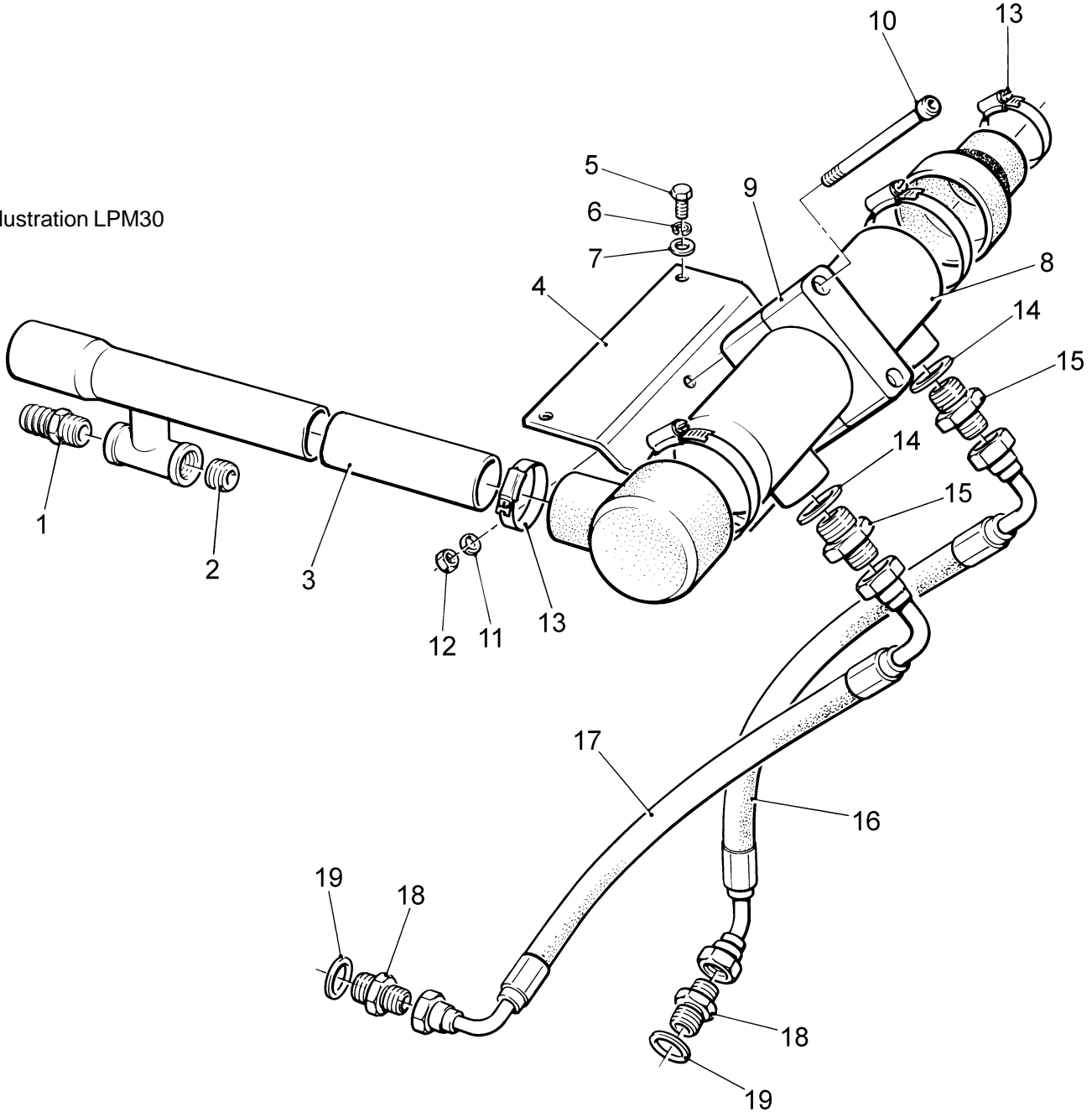


Illustration LPM30



Keel Cooling - LPW/S Marine (Later Type)

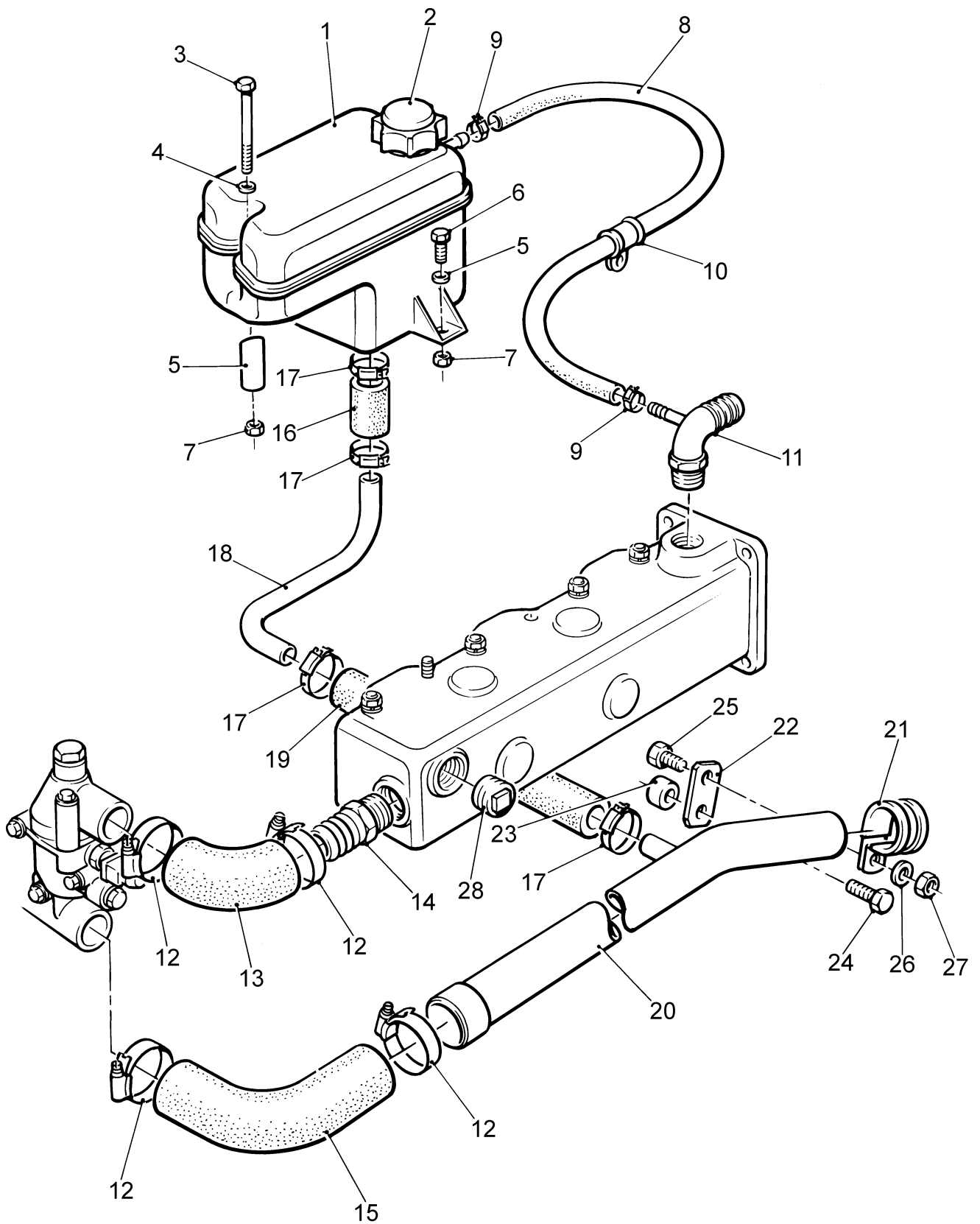
For Hurth Gearbox

Illustration LPM50

No.	Description	Part Number	LPW/LPWS			Remarks
			2	3	4	

	Accessory Kit Code MDF - LPW/S2	750-62520	1	-	-	
	Accessory Kit Code MDF - LPW/S3	750-62530	-	1	-	
	Accessory Kit Code MDF - LPW/S4	750-62540	-	-	1	
1	Expansion Tank	362-03323	1	1	1	
2	Pressure Cap	362-03324	1	1	1	
3	Bolt - M6	272-00658	1	1	1	
4	Washer - M6	272-00688	2	2	2	
5	Spacer	757-60360	1	1	1	
6	Screw - M6 x 16mm	272-00661	1	1	1	
7	Self Locking Nut	272-00372	2	2	2	
8	Hose	803-02225	1	1	1	
9	Hose Clip	027-06262	2	2	2	
10	Pipe Clip	389-04686	1	1	1	
11	Outlet Elbow	757-60540	1	1	1	
12	Hose Clip	027-04688	4	4	4	
13	Hose Elbow	854-01229	1	1	1	
14	Connector	854-01142	1	1	1	
15	Hose Elbow	854-01223	1	1	1	
16	Hose	854-00992	1	1	1	
17	Hose Clip	027-04687	4	4	4	
18	Return Pipe	757-60590	1	1	1	
19	Fill Hose	854-01195	1	1	1	
20	Water Transfer Pipe - LPW/S2	757-60560	1	-	-	
-	Water Transfer Pipe - LPW/S3	757-60570	-	1	-	
-	Water Transfer Pipe - LPW/S4	757-60580	-	-	1	
21	Pipe Clip	389-04746	1	1	1	
22	Plate	803-02189	1	1	1	
23	Distance Piece	757-12170	1	1	1	
24	Screw - M8 x 25mm	272-00698	1	1	1	
25	Screw - M8 x 16mm	272-00674	1	1	1	
26	Washer - M8	272-00715	1	1	1	
27	Nut - M8	272-00680	1	1	1	
28	Plug	362-03337	1	1	1	

Illustration LPM50



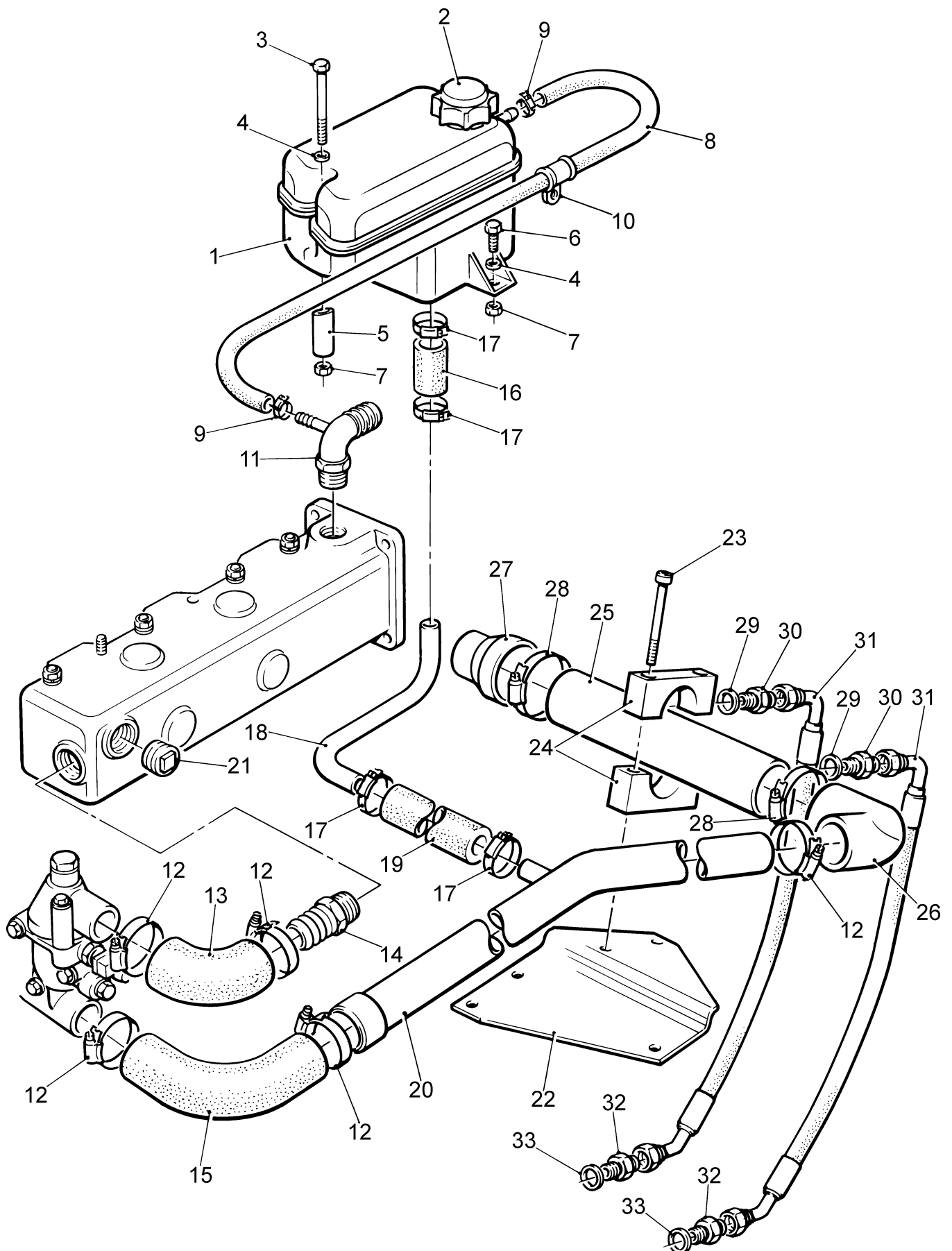
Keel Cooling - LPW/S Marine (Later Type)

For Delta Gearbox

Illustration LPM51

No.	Description	Part Number	LPW/LPWS			Remarks
			2	3	4	
	Accessory Kit Code MDG - LPW/S2	750-62160	1	-	-	
	Accessory Kit Code MDG - LPW/S3	750-62240	-	1	-	
	Accessory Kit Code MDG - LPW/S4	750-62250	-	-	1	
1	Expansion Tank	362-03323	1	1	1	
2	Pressure Cap	362-03324	1	1	1	
3	Bolt - M6	272-00658	1	1	1	
4	Washer - M6	272-00688	2	2	2	
5	Spacer	757-60360	1	1	1	
6	Screw - M6 x 16mm	272-00661	1	1	1	
7	Self Locking Nut	272-00372	2	2	2	
8	Hose	803-02225	1	1	1	
9	Hose Clip	027-06262	2	2	2	
10	Pipe Clip	389-04686	1	1	1	
11	Outlet Elbow	757-60540	1	1	1	
12	Hose Clip	027-04688	5	5	5	
13	Hose Elbow	854-01229	1	1	1	
14	Connector	854-01142	1	1	1	
15	Hose Elbow	854-01223	1	1	1	
16	Hose	854-00992	1	1	1	
17	Hose Clip	027-04687	4	4	4	
18	Return Pipe	757-60590	1	1	1	
19	Fill Hose	854-01195	1	1	1	
20	Water Transfer Pipe - LPW/S2	757-60560	1	-	-	
-	Water Transfer Pipe - LPW/S3	757-60570	-	1	-	
-	Water Transfer Pipe - LPW/S4	757-60580	-	-	1	
21	Plug	362-03337	1	1	1	
22	Oil Cooler Bracket	751-60040	1	1	1	
23	Capscrew	362-03340	2	2	2	
24	Stauff Clamp	362-03338	2	2	2	
25	Oil Cooler	362-03336	1	1	1	
26	End Cover - 90°	606-21190/006	1	1	1	
27	End Cover - straight	606-21190/007	1	1	1	
28	Hose Clip	027-04691	2	2	2	
29	Copper Washer	291-30630	2	2	2	
30	Union	389-04080	2	2	2	
31	Oil Pipe	757-60602	2	2	2	Replaces 757-60600/1
32	Connector	366-01100	2	2	2	
33	Copper Washer	013-22350	2	2	2	

Illustration LPM51



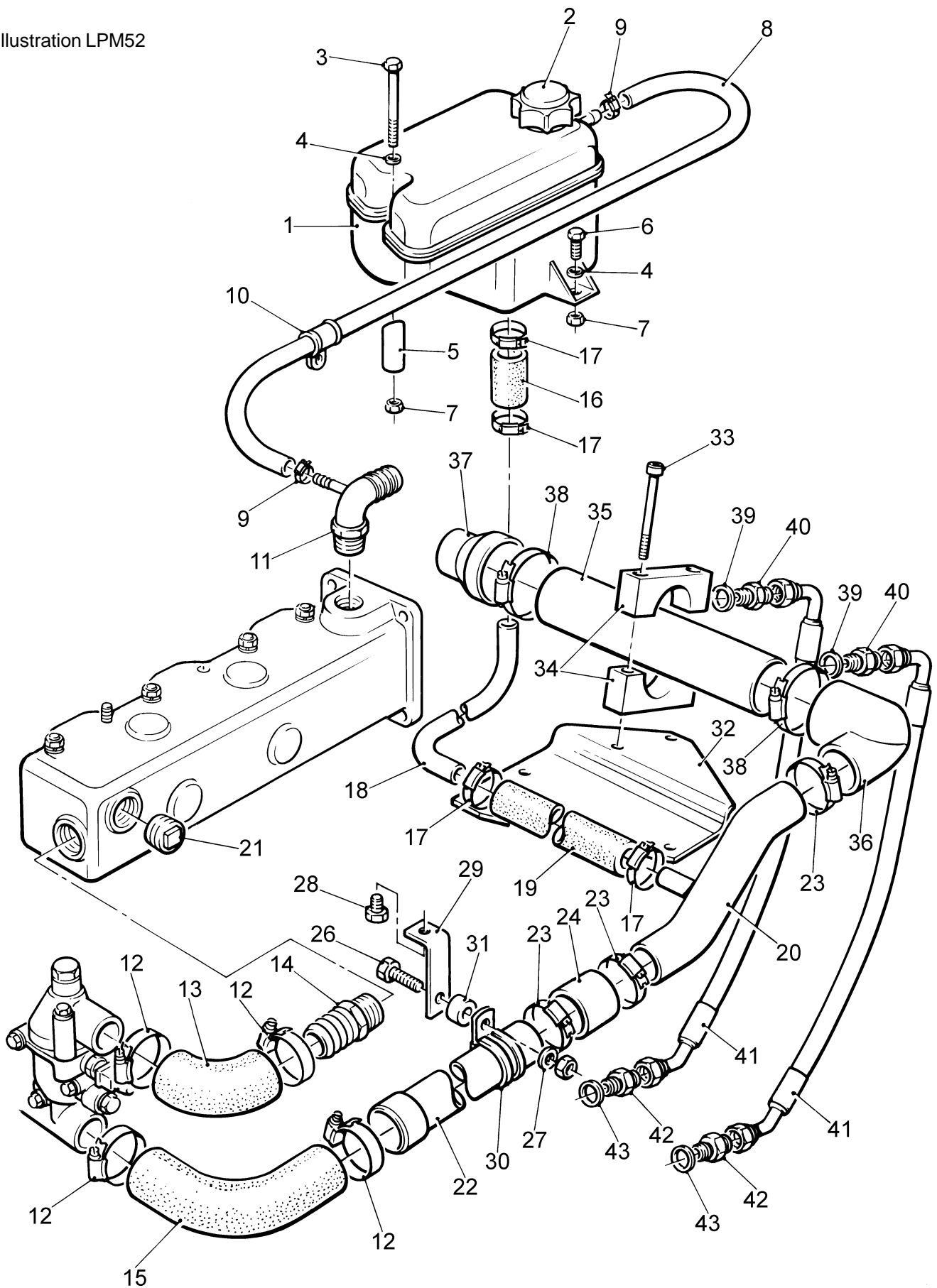
Keel Cooling - LPW/S3,4 Marine (Later Type)

For 160 Gearbox

Illustration LPM52

No.	Description	Part Number	LPW/LPWS			Remarks
			2	3	4	
	Accessory Kit Code MDH - LPW/S3	750-63190	-	1	-	
	Accessory Kit Code MDH - LPW/S4	750-62900	-	-	1	
1	Expansion Tank	362-03323	-	1	1	
2	Pressure Cap	362-03324	-	1	1	
3	Bolt - M6	272-00658	-	1	1	
4	Washer - M6	272-00688	-	2	2	
5	Spacer	757-60360	-	1	1	
6	Screw - M6 x 16mm	272-00661	-	1	1	
7	Self Locking Nut	272-00372	-	2	2	
8	Hose	803-02225	-	1	1	
9	Hose Clip	027-06262	-	2	2	
10	Pipe Clip	389-04686	-	1	1	
11	Outlet Elbow	757-60540	-	1	1	
12	Hose Clip	027-04688	-	4	4	
13	Hose Elbow	854-01229	-	1	1	
14	Connector	854-01142	-	1	1	
15	Hose Elbow	854-01223	-	1	1	
16	Hose	854-00992	-	1	1	
17	Hose Clip	027-04687	-	4	4	
18	Return Pipe	757-60590	-	1	1	
19	Fill Hose	854-01195	-	1	1	
20	Water Transfer Pipe	757-61580	-	1	1	
21	Plug	362-03337	-	1	1	
22	Water Transfer Pipe	757-61591	-	1	-	
-	Water Transfer Pipe	757-61590	-	-	1	
23	Hose Clip	027-04688	-	3	3	
24	Hose	382-02494	-	1	1	
25	Screw - M10 x 30mm	272-00697	-	2	2	
26	Screw - M10 x 25mm	272-00698	-	1	1	
27	Washer - M8	272-00715	-	1	1	
28	Screw - M8 x 10mm	272-00767	-	1	1	
29	Bracket	356-44150	-	1	1	
30	Pipe Clip	389-04746	-	1	1	
31	Distance Piece	854-00380	-	1	1	
32	Oil Cooler Bracket	757-61570	-	1	1	
33	Capscrew	362-03340	-	2	2	
34	Stauff Clamp	362-03338	-	2	2	
35	Oil Cooler	362-03336	-	1	1	
36	End Cover - 90°	606-21190/006	-	1	1	
37	End Cover - straight	606-21190/007	-	1	1	
38	Hose Clip	027-04691	-	2	2	
39	Copper Washer	291-30630	-	2	2	
40	Union	389-04080	-	2	2	
41	Oil Pipe	757-60602	-	2	2	Replaces 757-60600/1
42	Connector	366-01100	-	2	2	
43	Copper Washer	013-22350	-	2	2	

Illustration LPM52



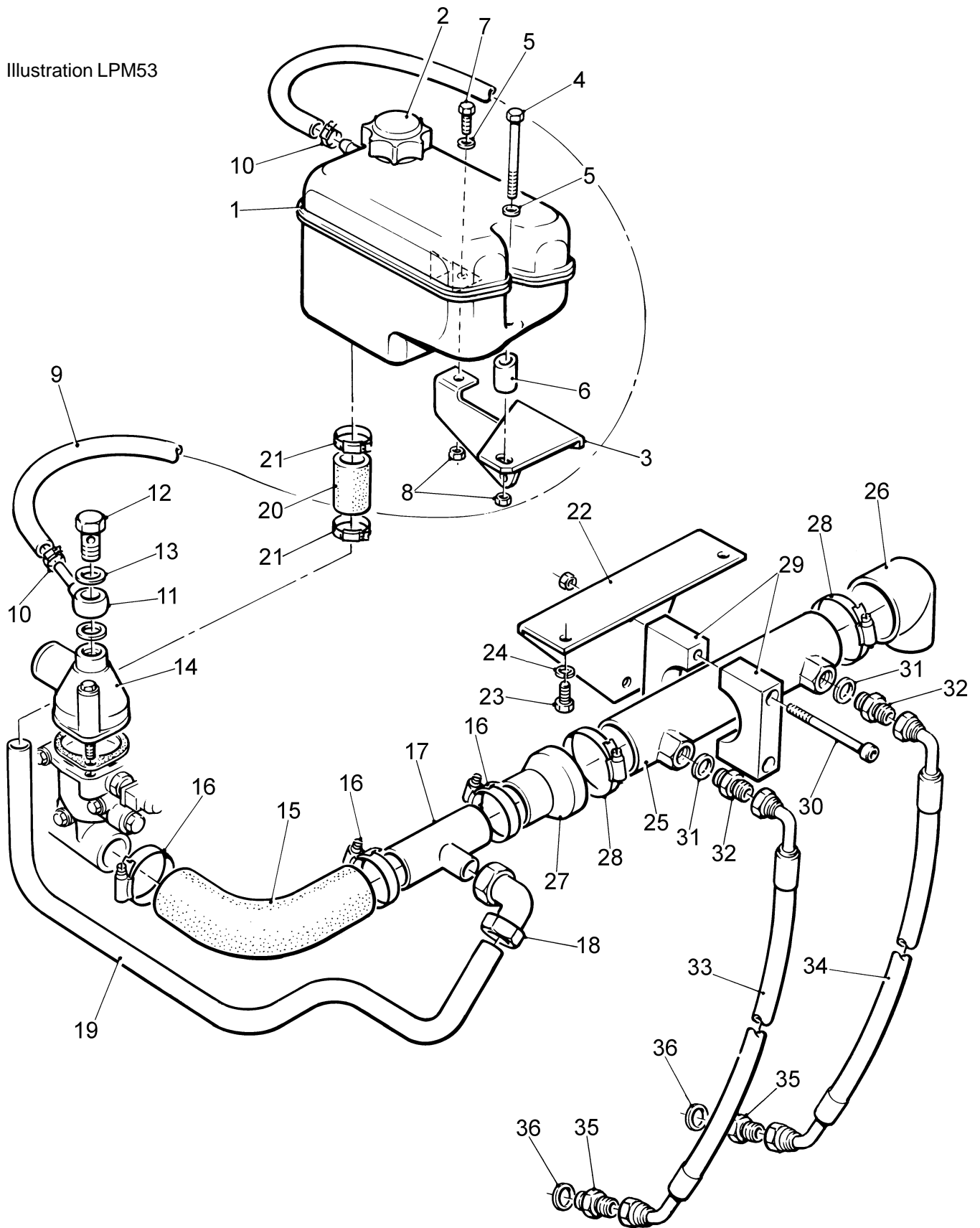
Keel Cooling - LPWT4 Marine

For 160 Gearbox

Illustration LPM53

No.	Description	Part Number	LPWT			Remarks
			2	3	4	
	Accessory Kit Code MDH - LPWT4	750-63760	-	-	1	
1	Expansion Tank	362-03323	-	-	1	
2	Pressure Cap	362-03324	-	-	1	
3	Bracket	757-62000	-	-	1	
4	Bolt - M6	272-00634	-	-	1	
5	Washer - M6	272-00688	-	-	2	
6	Spacer	757-61980	-	-	1	
7	Screw - M6 x 16mm	272-00661	-	-	1	
8	Self Locking Nut	272-00372	-	-	4	
9	Hose	803-02225	-	-	1	
10	Hose Clip	027-06262	-	-	2	
11	Pipe Assembly	757-61880	-	-	1	
12	Swivel Union Plug	201-15400	-	-	1	
13	Copper Washer	013-22350	-	-	2	
14	Thermostat Cover	803-02271	-	-	1	
-	Thermostat Seat Joint	751-40281	-	-	1	
15	Hose Elbow	757-62790	-	-	1	Replaces 854-01223
16	Hose Clip	027-04688	-	-	3	
17	Pipe	757-62470	-	-	1	
18	Coupling	757-62510	-	-	1	
19	Water Pipe	757-62011	-	-	1	
20	Hose	854-00992	-	-	1	
21	Hose Clip	027-04687	-	-	2	
22	Bracket	757-62460	-	-	1	
23	Screw - M8 x 16mm	272-00038	-	-	2	
24	Spring Washer	272-00071	-	-	2	
25	Oil Cooler	362-03336	-	-	1	
26	End Cover - 90°	606-21190/006	-	-	1	
27	End Cover - straight	606-21190/007	-	-	1	
28	Hose Clip	027-04691	-	-	2	
29	Stauff Clamp	362-03338	-	-	2	
30	Capscrew	362-03340	-	-	2	
31	Copper Washer	013-22350	-	-	2	
32	Union	389-04080	-	-	2	
33	Flexible Pipe Assembly	854-01196	-	-	1	
34	Flexible Pipe Assembly	854-01197	-	-	1	Replaces 854-01196
-	Clamp to connect Flexible Pipe Assemblies	362-03363	-	-	4	
35	Connector	366-01100	-	-	2	
36	Copper Washer	291-30630	-	-	2	

Illustration LPM53



Calorifier Connection Kit - LPW/S Marine (Early Type)

Not Illustrated Description	Part Number	LPW/LPWS			Remarks
		2	3	4	
'Tee' piece	362-03263	1	1	1	
Union	362-03264	1	1	1	
Plug	362-03339	2	2	2	
Adaptor	362-03048	2	2	2	

Calorifier Connection Kit - LPW/S Marine (Later Type)

Not Illustrated Description	Part Number	LPW/LPWS			Remarks
		2	3	4	
Accessory Kit Code MDM	750-62700	1	1	1	See Note
Water Pipe Adaptor	757-18641	1	1	1	Replaces 757-18640
Screw	272-00625	1	1	1	
Copper Washer	201-11890	1	1	1	
Hose	757-61370	1	1	1	
Hose Clip	027-04686	2	2	2	Replaces 027-04687

Note:

From July '98 Included in kit MDA, MDB, MDF and MDG

Calorifier Connection Kit - LPWT4 Marine

Not Illustrated No. Description	Part Number	LPW/LPWS			Remarks
		2	3	4	
Accessory Kit Code MDM	750-63700	-	-	1	For Heat Exchanger system
Accessory Kit Code MDN	750-63701	-	-	1	For Keel Cooling system
Tee Piece	750-42770	-	-	1	
Water Pipe Adaptor	757-18641	-	-	1	(2 in MDN)
Hose	757-61371	-	-	1	
Hose Clip - 16/22mm dia	027-04686	-	-	2	(4 in MDN)
Hose Clip - 22/30mm dia	027-04687	-	-	2	
Copper Washer	201-11890	-	-	1	
Screw	272-00625	-	-	1	
Oil Cooler Hose	754-43483	-	-	1	
Hose	757-61372	-	-	1	Code MDN
Hose Adaptor	757-62520	-	-	2	Code MDN

Note :

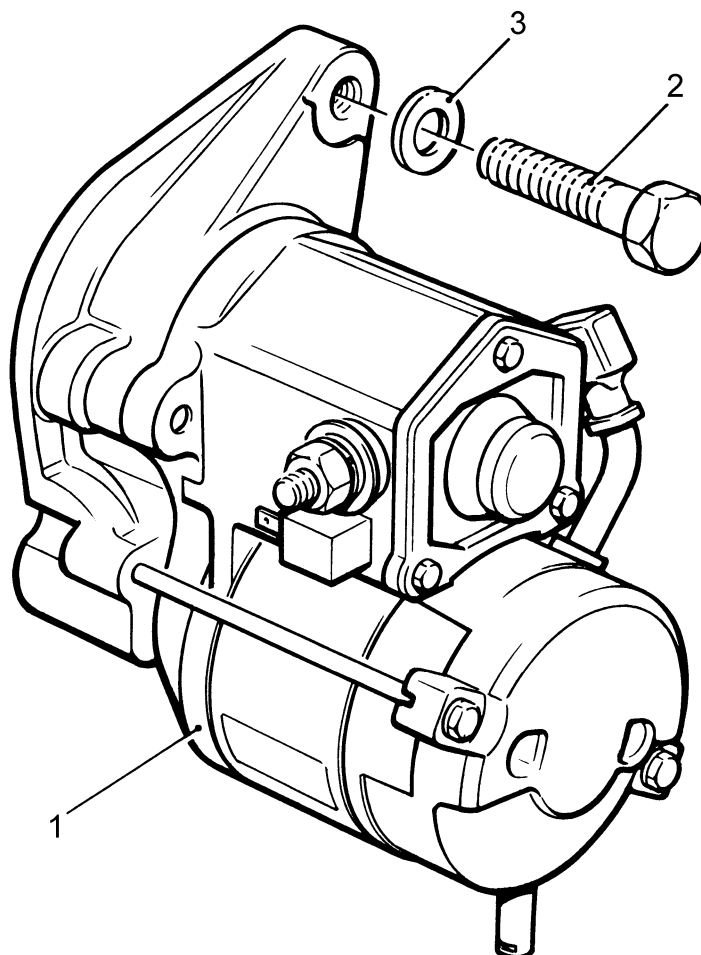
From July '98 Components are included in kits MDA, MDB and MDH

Starter Motor

Illustration LP155

No.	Description	Part Number	LPW/S/T			Remarks
			2	3	4	
	Accessory Kit Code EB - LPW/S2,3	750-13711	1	1	-	
	Accessory Kit Code EC - LPW/S3,4 & LPWT4	750-12432	-	1	1	Replaces 750-12431
1	Starter Motor - 12V - LPW/S2,3	757-21700	1	1	-	Code EB. 1.4kW. Replaces all others.
-	Starter Motor - 12V - LPW/S3,4	757-26450	-	1	1	Code EC. 2.0kW. Replaces all others.
-	Starter Motor - 24V	751-15580	1	1	1	Only for approved applications.
2	Bolt - M10 x 55mm	272-00759	2	2	2	
3	Washer	272-00694	2	2	2	
-	Terminal Protection Boot	757-24310	1	1	1	

Illustration LP155



Insulated Return Starter Motor - Marine

Not Illustrated Description	Part Number	LPW/S/T			Remarks
		2	3	4	
Accessory Kit Code MEG - LPW/S2	750-62762	1	-	-	
Accessory Kit Code MEA - LPW/S3,4	750-62773	-	1	1	Replaces 750-61930
Accessory Kit Code MEA - LPWT4	750-62770	-	-	1	
Starter Motor - LPW/S2	757-21700	1	-	-	Code MEG
Starter Motor - LPW/S3,4 & LPWT4	757-26450	-	1	1	Code MEA. Replaces 362-03320
Bolt - M10 x 55mm	272-00759	2	2	2	
Washer	272-00694	2	2	2	
Mounting Bracket	751-60200	1	1	1	
Relay	757-14981	1	1	1	
Solenoid	351-31480	1	1	1	
Nut	064-31345	2	2	2	
Spring Washer	064-31346	2	2	2	
Screw - M5 x 10mm	272-00690	4	4	4	
Washer - M5	272-00687	4	4	4	
Nut - M5	272-00678	4	4	4	
Circuit Breaker	366-08092	1	1	1	
Cable Assembly	757-61410	1	1	1	
Terminal Protection Boot	757-24310	1	1	1	Not supplied in LPWT4 kit
Glowplug Relay Assembly	757-62180	1	1	1	Not supplied in LPWT4 kit

Earth Return Starter Motor - Marine

Not Illustrated Description	Part Number	LPW/S/T			Remarks
		2	3	4	
Accessory Kit Code MEB - LPW/S2	750-62411	1	-	-	
Accessory Kit Code MEC - LPW/S3,4 & LPWT4	750-62422	-	1	1	
Starter Motor - LPW/S2	757-21700	1	-	-	Code MEB
Starter Motor - LPW/S3,4 & LPWT4	757-26450	-	1	1	Code MEC
Bolt - M10 x 55mm	272-00759	2	2	2	
Washer	272-00694	2	2	2	
Mounting Bracket	751-60130	1	1	1	
Relay	757-14981	1	1	1	
Screw - M5 x 10mm	272-00690	2	2	2	
Spring Washer	786377	2	2	2	
Nut - M5	272-00678	2	2	2	
Circuit Breaker	366-08092	1	1	1	
Terminal Protection Boot	757-24310	1	1	1	

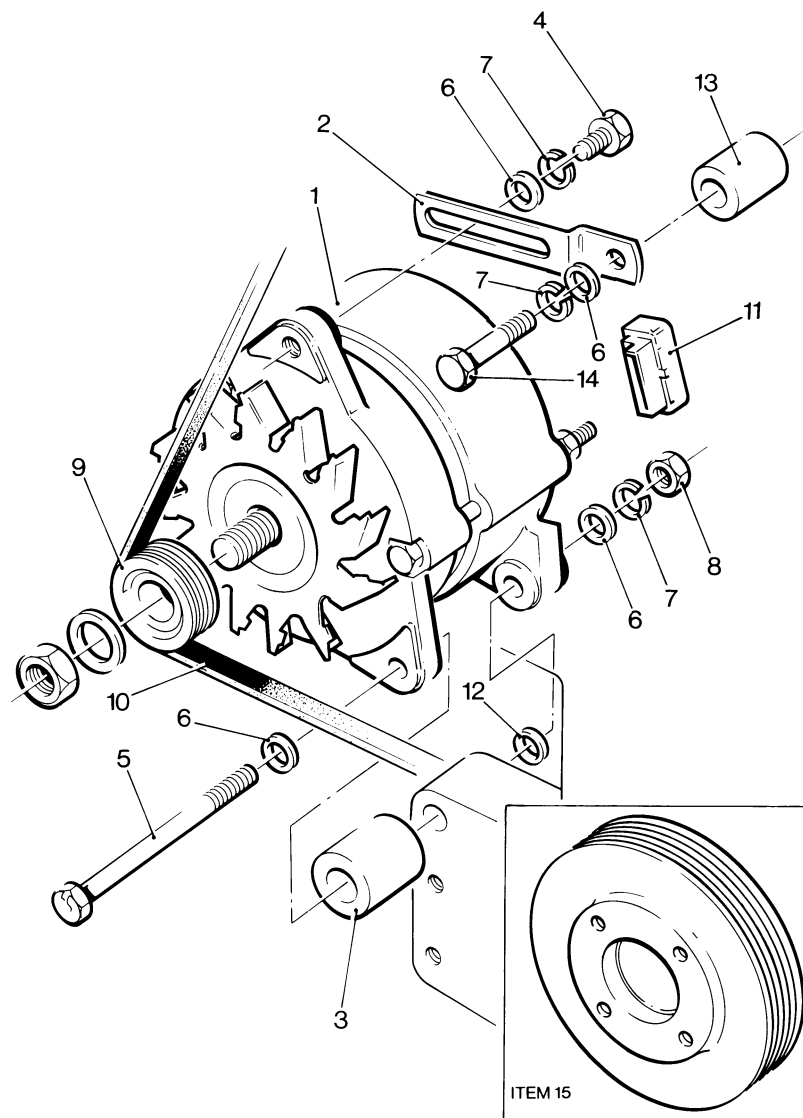
Alternator

Illustration LP42 No. Description	Part Number	LPW/S/T			Remarks
		2	3	4	
Accessory Kit Code ED	750-40320	1	1	1	45Amp. 44.5mm Alt'r Pulley
Former Accessory Kit Code EE	750-41000	1	1	1	45Amp. 61.5mm Alt'r Pulley
Accessory Kit Code EF	750-15840	1	1	1	61.5mm Pulley
Former Accessory Kit Code EG	750-43280	1	1	1	45Amp. 90mm Engine Pulley
Former Accessory Kit Code EH	750-41710	1	1	1	45Amp. Builds 81, 82, 83
Accessory Kit Code EJ	750-43370	-	1	1	45Amp. 124mm Engine Pulley
Accessory Kit Code EX	750-15760	1	1	1	Belt only
Accessory Kit Code MEE - LPW/S2,3,4	750-62460	1	1	1	45Amp. Marine Builds
Accessory Kit Code MEF	750-61940	1	1	1	55Amp. Marine Builds
1 Alternator - 12V 45A	382-08919	1	1	1	Code ED, EE, EG, EH, EJ, MEE
- Alternator - 24V	382-08867	1	1	1	Only for approved applications
- Alternator - 12V 55A	362-02349	1	1	1	Code MEF
- Cover	362-02345	1	1	1	Code MEF
2 Adjusting Link	751-11102	1	1	1	
3 Distance Piece	751-11110	1	1	1	
4 Setscrew - M8 x 20mm	272-00665	1	1	1	
5 Bolt - M8 x 125mm	272-00671	1	1	1	Replaces 272-00790
- Bolt - M8 x 130mm	272-00790	1	1	1	Code EE, EG, EH
6 Washer	272-00715	4	4	4	
7 Spring Washer - M8	272-00071	3	3	3	
8 Nut - M8	272-00680	1	1	1	
9 Pulley - 44.5mm diameter	751-10964	1	1	1	Code ED, EG, MEE, MEF
- Pulley - 61.5mm diameter	751-10965	1	1	1	Code EE, EF, EH, EJ
10 Belt - 875mm	751-17820	1	1	1	Code ED, EG, MEF
- Belt - 913mm	751-17830	1	1	1	Replaces 751-17820. Code EE, EH, EJ, MEE.
- Belt - 810mm	751-17560	1	1	1	Code EX
11 Connector Plug	757-19520	1	1	1	Code ED, EE, EH, EJ, MEE
12 Spacer	751-13220	1	1	1	
13 Distance Piece - M8 x 22mm	751-45300	1	1	1	Code ED, EJ, MEE, MEF
- Distance Piece	751-40312	1	1	1	Code EE, EG
14 Bolt - M8 x 40mm	272-00716	1	1	1	Replaces 272-00668
15 Crankshaft Pulley - 124mm dia	751-10408	1	1	1	Code EE, EJ. See Note
- Crankshaft Pulley - 90mm dia	751-10407	1	1	1	Code ED
- Crankshaft Pulley - 124mm dia	751-16871	1	1	1	Code EH. See Note
- Crankshaft Pulley - 90mm dia	751-16870	1	1	1	Code EG. See Note
- Crankshaft Pulley Bolt	751-14250	1	1	1	Code EE, EH, EG, EJ. See Note
- Disc Spring	639-11070	1	1	1	Code ED, EJ

Note:

For more reference to Crankshaft Pulley set-up, see 'Water Pump and Thermostat' section.

Illustration LP42



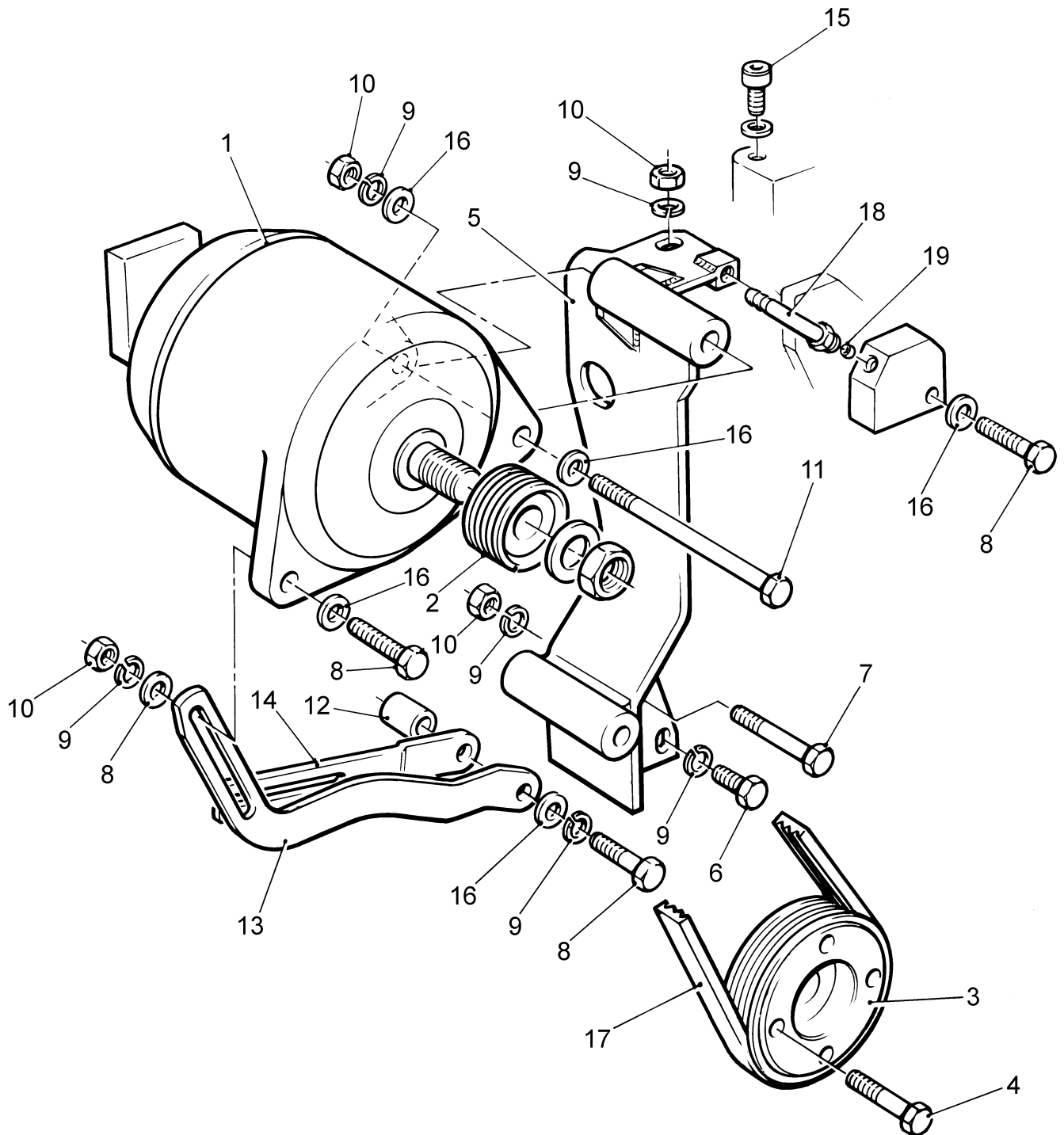
Additional Auxiliary Alternator - LPW/S Marine

For 61.5mm diameter Crankshaft Pulley

Illustration LPM43

No.	Description	Part Number	LPW/LPWS			Remarks
			2	3	4	
	Accessory Kit Code MEK	750-63150	-	1	1	55Amp Alternator. Build 42 only
	Accessory Kit Code MEM	750-63151	-	1	1	55Amp Alternator. Build 47 only
	Accessory Kit Code MEL	750-62890	-	-	1	100Amp Alternator
-	Alternator	362-02344	-	1	1	Code MEK & MEM
1	Alternator	757-60530	-	-	1	Code MEL
2	Pulley - 61.5mm diameter	751-10964	-	1	1	
3	Crankshaft Pulley	757-60520	-	1	1	
4	Screw - M8	272-00698	-	4	4	
5	Bracket	757-60650	-	1	1	
6	Setscrew - M8 x 20mm	272-00665	-	2	2	
7	Bolt - M8 x 55mm	272-00710	-	1	1	
8	Bolt - M8 x 40mm	272-00716	-	3	3	
9	Spring Washer	272-00360	-	8	8	
10	Nut - M8	272-00680	-	5	5	
11	Bolt - M8 x 125mm	272-00671	-	2	2	Replaces 272-00790
12	Spacer	751-45300	-	1	1	Replaces 751-40312
13	Link	757-60700	-	1	1	
14	Link	757-60710	-	1	1	
15	Capscrew	704256	-	1	1	
16	Washer	272-00715	-	9	9	
17	Belt	757-60720	-	2	2	Only 1 in Code MEK
-	Belt	757-60721	-	1	1	Code MEK
18	Stem	734-13410	-	-	1	Code MEL
19	Olive	351-21640	-	-	1	Code MEL

Illustration LPM43



Heater Plug

Not Illustrated No. Description	Part Number	LPW/LPWS			Remarks
		2	3	4	
Accessory Kit Code EY	750-14460	1	1	1	
Accessory Kit Code EZ	750-14470	1	1	1	
Heater Plug	363102	1	1	1	Code EY
Heater Plug	363102	2	2	2	Code EZ

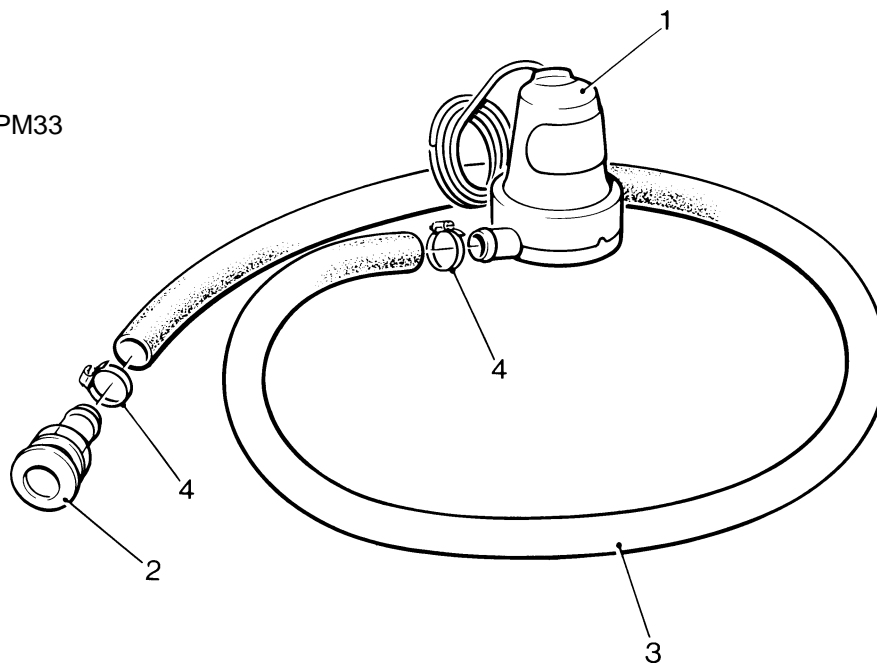
Note:

Other references to Heater Plug shown in 'Manifolds - LPW/S' section, and 'Manifolds - LPWT4' section.

Bilge Pump - Marine

Illustration LPM33 Description	Part Number	LPW/S/T			Remarks
		2	3	4	
Accessory Kit Code MEO	750-60740	1	1	1	
1 Bilge Pump	362-03055	1	1	1	
2 Plastic Skin Fitting	362-03052	1	1	1	
3 Hose - 1" bore x 2 metre	360-03869	1	1	1	
4 Hose Clip	027-04688	2	2	2	

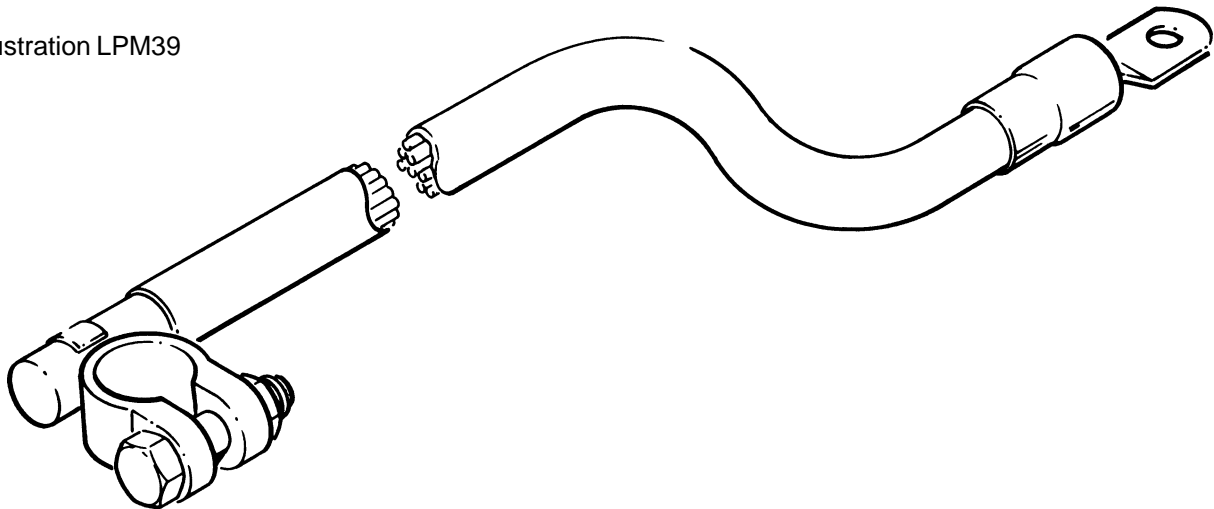
Illustration LPM33



Battery Leads - Marine

Illustration LPM39 Description	Part Number	LPW/S/T			Remarks
		2	3	4	
Accessory Kit Code MEN	750-60010	1	1	1	
Battery Lead	064-07172/013	1	1	1	
Battery Lead	064-07172/033	1	1	1	

Illustration LPM39



Leak-Off Hose Kit

Not Illustrated Description	Part Number	LPW/S/T			Remarks
		2	3	4	
Accessory Kit Code FC	750-15680	1	1	1	
Accessory Kit Code FD	750-15710	1	1	1	Agglomerator Spacers
Accessory Kit Code FE	750-15820	1	1	1	
Accessory Kit Code FG	750-15860	1	1	1	
Tube	751-15160	1	1	1	Code FC
Hose	751-18190	1	1	1	Code FC
Washer	272-00694	4	4	4	Code FD
Leak-Off Pipe	751-44410	1	1	1	Code FE
Leak-Off Pipe	751-18160	1	1	1	Code FG

Fuel Tank - LPW/S

Illustration LP32

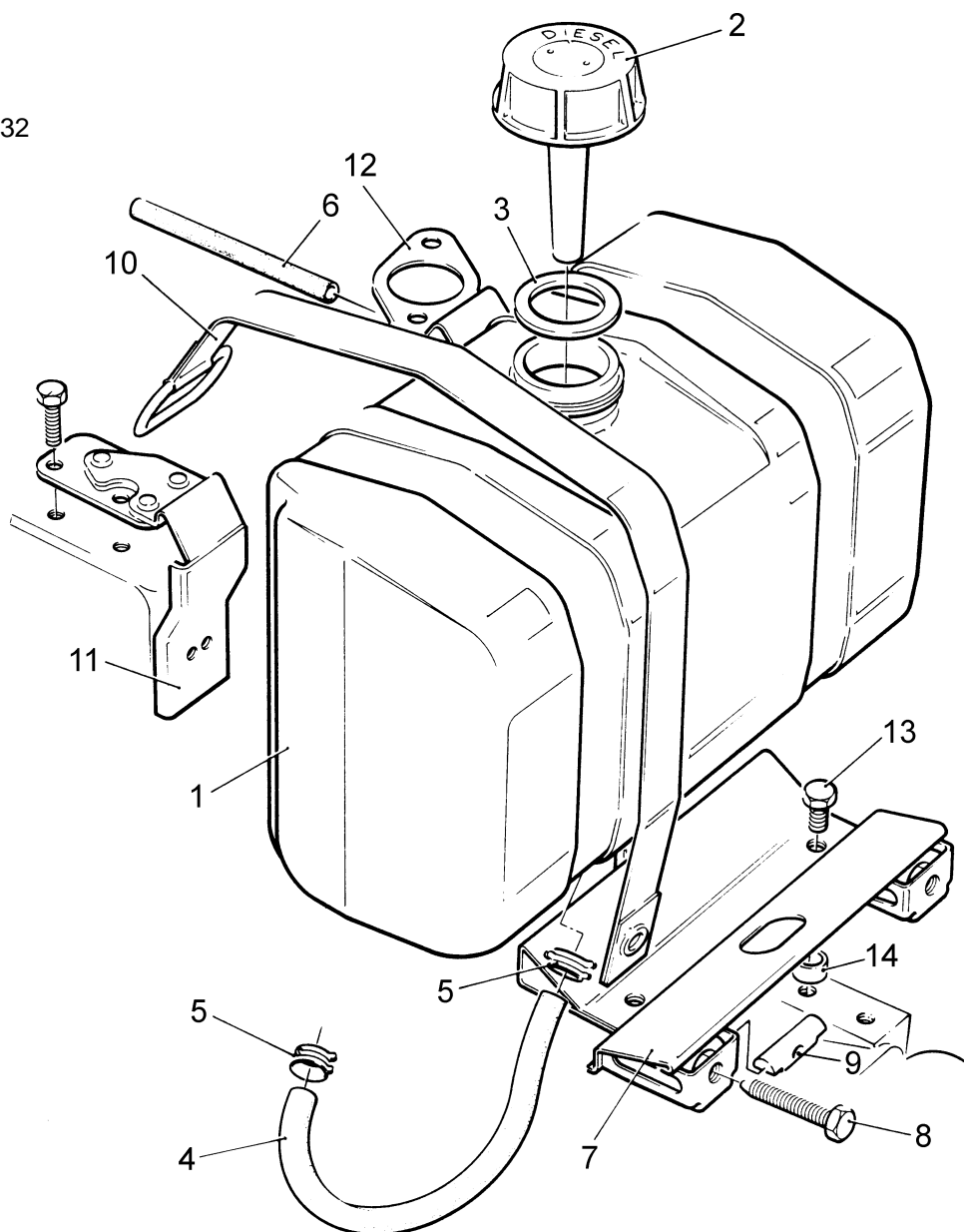
No. Description

LPW/LPWS

Part Number 2 3 4 Remarks

	Accessory Kit Code FB - LPW/S2,3,4	750-11162	1	1	1	Replaces 750-11161
1	Fuel Tank Assembly	757-12230	1	1	1	
2	Cap Assembly	363892	1	1	1	
3	Washer	362324	1	1	1	
4	Fuel Pipe Assembly	757-17480	1	1	1	
5	Fuel Pipe Clip	751-13390	2	2	2	
6	Leak-off Hose	202-42480	1	1	1	
7	Mounting Bracket	757-10920	1	1	1	
8	Setscrew	757-13700	2	2	2	
9	Toggle	757-11051	2	2	2	
10	Strap Assembly	757-10990	2	2	2	
11	Steady Bracket - Exhaust Side	757-11035	1	1	1	Replaces 757-11032
12	Steady Bracket - Inlet Side	757-11043	1	1	1	Replaces 757-11042
13	Setscrew - M8 x 14mm	272-00698	2	2	2	Replaces 272-00037
14	Spacer	757-27400	2	2	2	Replaces 757-12170

Illustration LP32



Fuel Tank and Pipes - Marine

Not Illustrated Description	Part Number	LPW/S/T			Remarks
		2	3	4	
Former Accessory Kit Code MFA	750-60260	1	1	1	45.5 litre cylindrical fuel tank kit
Former Accessory Kit Code MFB	750-60290	1	1	1	113.5 litre oblong fuel tank kit
Fuel Tank Assembly - 45.5 litres	362-01633	1	1	1	Code MFA
Fuel Tank Assembly - 113.5 litres	501-00715	1	1	1	Code MFB
Fuel Tap	010-07050	1	1	1	
Tap	012-21917	1	1	1	Code MFB only
Fibre Washer	007-00406	1	1	1	
Union	103-00106	1	1	1	
Copper Washer	013-22350	1	1	1	

Flexible Fuel Connections - LPW/S Marine (Early Type)

Not Illustrated Description	Part Number	LPW/LPWS			Remarks
		2	3	4	
Flexible Fuel Pipe	366-03738	1	1	1	0.46m
Union	352-28760	1	1	1	
Copper Washer	013-22350	2	2	2	
Union	389-04080	1	1	1	
Union	291-33200	1	1	1	Not LPW4
Flexible Leak-off Pipe	854-00237	1	1	1	0.46m
Union	291-21141	1	1	1	

Flexible Fuel Connections - Marine (Later Type)

Not Illustrated Description	Part Number	LPW/S/T			Remarks
		2	3	4	
Accessory Kit Code MFC	750-63360	1	1	1	
Fuel Hose	757-61791	2	2	2	0.46m
Hose Clamp	027-10094	4	4	4	

Steel Supply and Leak-Off Pipes - Marine

Not Illustrated No. Description	Part Number	LPW/S/T			Remarks
		2	3	4	
Accessory Kit Code MFD	750-60270	1	1	1	
Union Nut - 3/8" BSP	003-00284	1	1	1	
Pipe Nipple	003-00285	1	1	1	
Union Nut - 1/8" BSP	291-21151	1	1	1	
Nipple	291-21161	1	1	1	
Pipe Assembly	364-03601	1	1	1	2.4m
Pipe	389-01263	1	1	1	

Fire Pump Belt Guard

Illustration LP192

No. Description

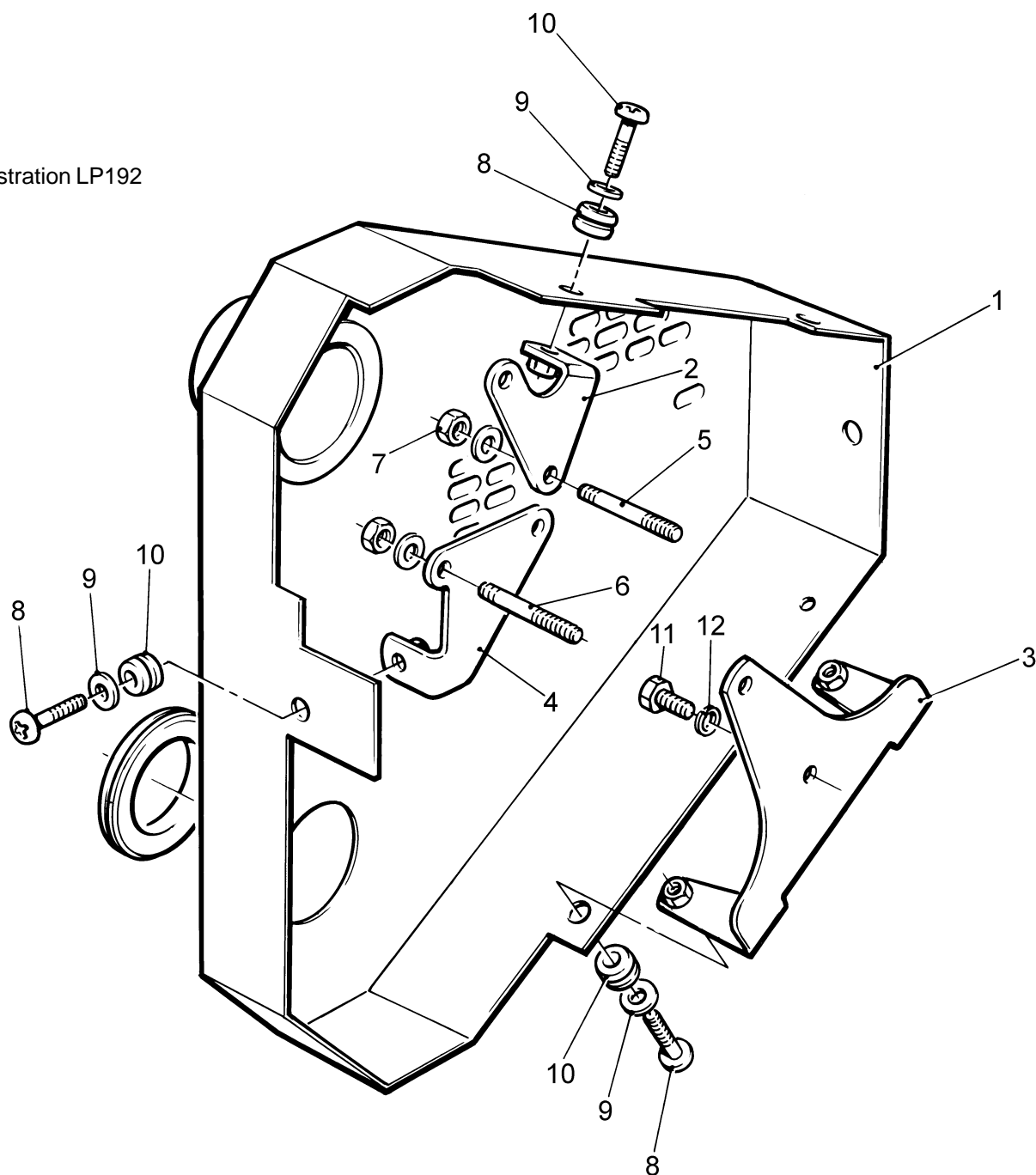
Part Number

LPW/S/T

2 3 4 Remarks

	Accessory Kit Code GC	750-41830	1	1	1	
1	Guard Assembly	757-23730	1	1	1	
2	Bracket	757-23760	1	1	1	
3	Bracket	757-23780	1	1	1	
4	Bracket	757-23800	1	1	1	
5	Stud	272-00630	2	2	2	
6	Stud	751-41330	2	2	2	
7	Nut	272-00003	2	2	2	
8	Screw - M6 x 20mm	272-00662	4	4	4	
9	Washer	785352	4	4	4	
10	Grommet	757-23900	4	4	4	
11	Screw - M8	272-00664	2	2	2	
12	Spring Washer - M8	272-00071	2	2	2	

Illustration LP192

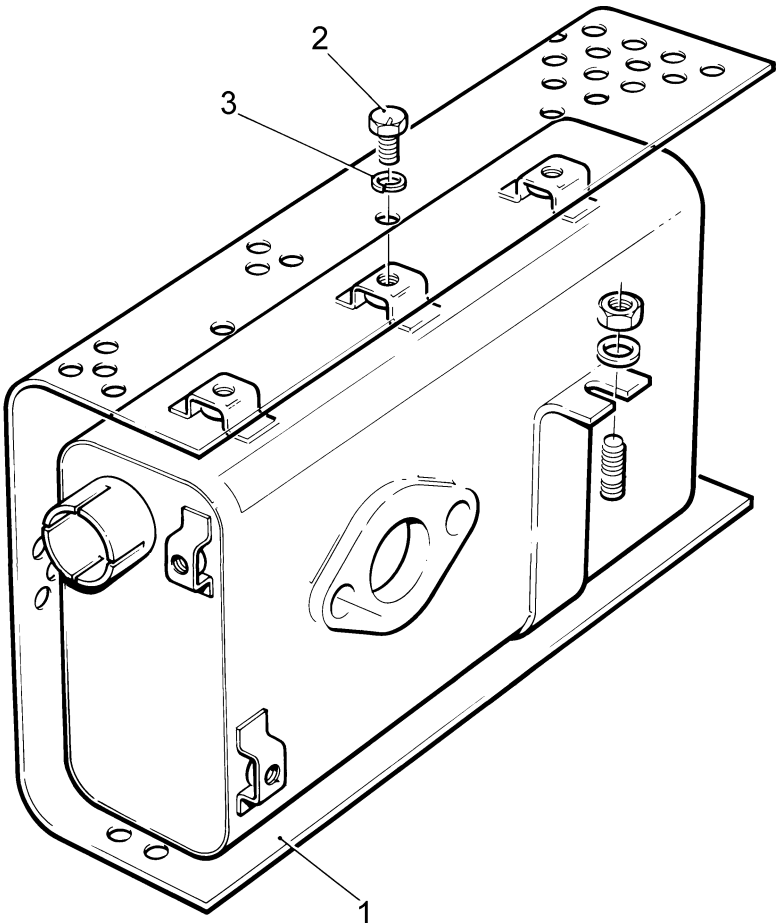


Silencer Heat Shield - LPW/S

Illustration LP37		LPW/LPWS				
No.	Description	Part Number	2	3	4	Remarks
	Accessory Kit Code GD - LPW/S2	750-10260	1	-	-	
	Accessory Kit Code GD - LPW/S3	750-10880	-	1	-	
	Accessory Kit Code GD - LPW/S4	750-12180	-	-	1	
-	Heat Shield - LPW/S2	757-12320	1	-	-	
1	Heat Shield - LPW/S3	757-12340	-	1	-	
-	Heat Shield - LPW/S4	757-18530	-	-	1	Replaces 366-07422
2	Setscrew - M6 x 12mm	272-00660	4	6	4	
3	Spring Washer	786378	4	6	-	
-	Spring Washer - LPW/S4	272-00070	-	-	4	
-	Washer - LPW/S4	272-00688	-	-	4	

Note:
For other references to 'Heat Shield' see Accessory Kit Codes NA and NC.

Illustration LP37



Radiator Fan and Belt Guard

Illustration LP124

No.	Description	Part Number	LPW/S/T			Remarks
			2	3	4	
	Accessory Kit Code GE	750-40710	1	1	1	For radiator RB. See Note ¹
	Accessory Kit Code GF	750-40720	1	1	1	For radiator RC, RD. See Note ¹
	Accessory Kit Code GG	750-41050	1	1	1	For radiator RE, RF, RG. See Note ¹
	Accessory Kit Code GH	750-42190	1	1	1	For radiator RB. See Note ²
	Accessory Kit Code GJ	750-42170	1	1	1	For radiator RC, RD. See Note ²
	Accessory Kit Code GK	750-42150	1	1	1	For radiator RE, RF, RG. See Note ²
1	Fan Guard Assembly	757-18010	1	1	1	GE, GH
-	Fan Guard Assembly	757-18250	1	1	1	GF, GJ
-	Fan Guard Assembly	757-20380	1	1	1	GG, GK
2	Alternator Guard Assembly	757-18080	1	1	1	GE
-	Alternator Guard Assembly	757-18330	1	1	1	GF
-	Alternator Guard Assembly	757-20470	1	1	1	GG
-	Jockey Pulley Guard Assembly	757-24100	1	1	1	GH
-	Jockey Pulley Guard Assembly	757-24150	1	1	1	GJ
-	Jockey Pulley Guard Assembly	757-24080	1	1	1	GK
3	Nut - M5	272-00678	2	2	2	

Notes:

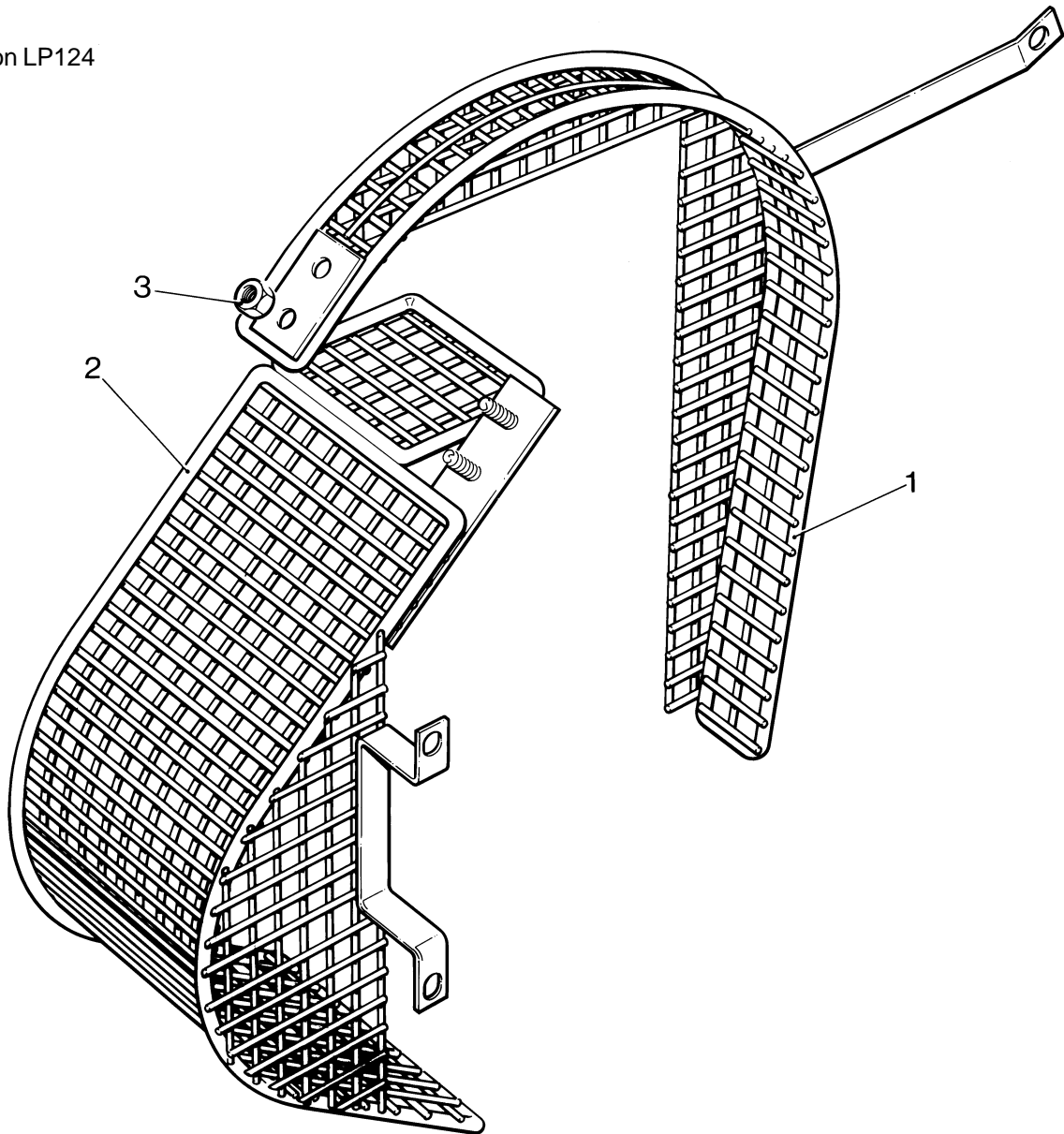
1) For use with Alternator.

2) For use with Jockey Pulley.

Crossflow Radiator and Fan Guard - LPWT4

Not Illustrated Description	Part Number	LPWT			Remarks
		2	3	4	
Accessory Kit Code GL	750-42630	-	-	1	
Screw - M8 x 12mm	272-00663	-	-	10	
Under Guard	757-25560	-	-	1	
Guard Support	757-25810	-	-	1	
Fan Guard	757-25820	-	-	1	
Right Side Guard	757-25830	-	-	1	
Left Side Guard	757-25840	-	-	1	

Illustration LP124



Manifold/Silencer Lagging

Lagging for Manifold only

Not Illustrated

Description	Part Number	LPW/LPWS			Remarks
		2	3	4	
Accessory Kit Code GQ - LPW/S2	750-14560	1	-	-	
Manifold Lagging	757-24430	1	-	-	Replaces 757-24380
Accessory Kit Code GQ - LPW/S3	750-14590	-	1	-	
Manifold Lagging	757-24440	-	1	-	Replaces 757-24410
Accessory Kit Code GQ - LPW/S4	750-42120	-	-	1	
Manifold Lagging	757-25260	-	-	1	Replaces 757-24450
Accessory Kit Code GQ - LPWT4	750-42650	-	-	1	
Manifold Lagging	757-26670	-	-	1	

Lagging for Manifold and Silencer Code NA

Not Illustrated

Description	Part Number	LPW/LPWS			Remarks
		2	3	4	
Accessory Kit Code GR - LPW/S2	750-14570	1	-	-	
Manifold Lagging	757-24380	1	-	-	
Accessory Kit Code GR - LPW/S3	750-14600	-	1	-	
Manifold Lagging	757-24410	-	1	-	
Accessory Kit Code GR - LPW/S4	750-42130	-	-	1	
Manifold Lagging	757-24450	-	-	1	

Lagging for Manifold, Silencer Code NA & Outlet Pipe Code NH

Not Illustrated

Description	Part Number	LPW/LPWS			Remarks
		2	3	4	
Accessory Kit Code GW - LPW/S2	750-14580	1	-	-	
Manifold Lagging	757-24380	1	-	-	
Outlet Pipe Lagging	757-24400	1	-	-	
Accessory Kit Code GW - LPW/S3	750-14610	-	1	-	
Manifold Lagging	757-24410	-	1	-	
Outlet Pipe Lagging	757-24400	-	1	-	
Accessory Kit Code GW - LPW/S4	750-42140	-	-	1	
Manifold Lagging	757-24450	-	-	1	
Outlet Pipe Lagging	757-24400	-	-	1	

Manifold/Silencer/Turbocharger Lagging - LPWT4

Not Illustrated Description	Part Number	LPWT			Remarks
		2	3	4	
Accessory Kit Code GN	750-42670	-	-	1	For Side Mounted Silencer
Accessory Kit Code GP	750-42680	-	-	1	For Top Mounted Silencer
Accessory Kit Code GS	750-42660	-	-	1	
Manifold Lagging Jacket	757-26670	-	-	1	
Silencer Body Lagging Jacket	757-26690	-	-	1	
Silencer Bend Lagging Jacket	757-26710	-	-	1	Code GN
Silencer Bend Lagging Jacket	757-26650	-	-	1	Code GP
Turbocharger Lagging Jacket	754-44231	-	-	1	Code GS
Turbocharger/Silencer Bend Lagging	757-26660	-	-	1	Code GP
Flange Lagging Jacket	757-26720	-	-	1	Code GP

Flywheel End Hydraulic Pump Adaptor

Pilot Bored

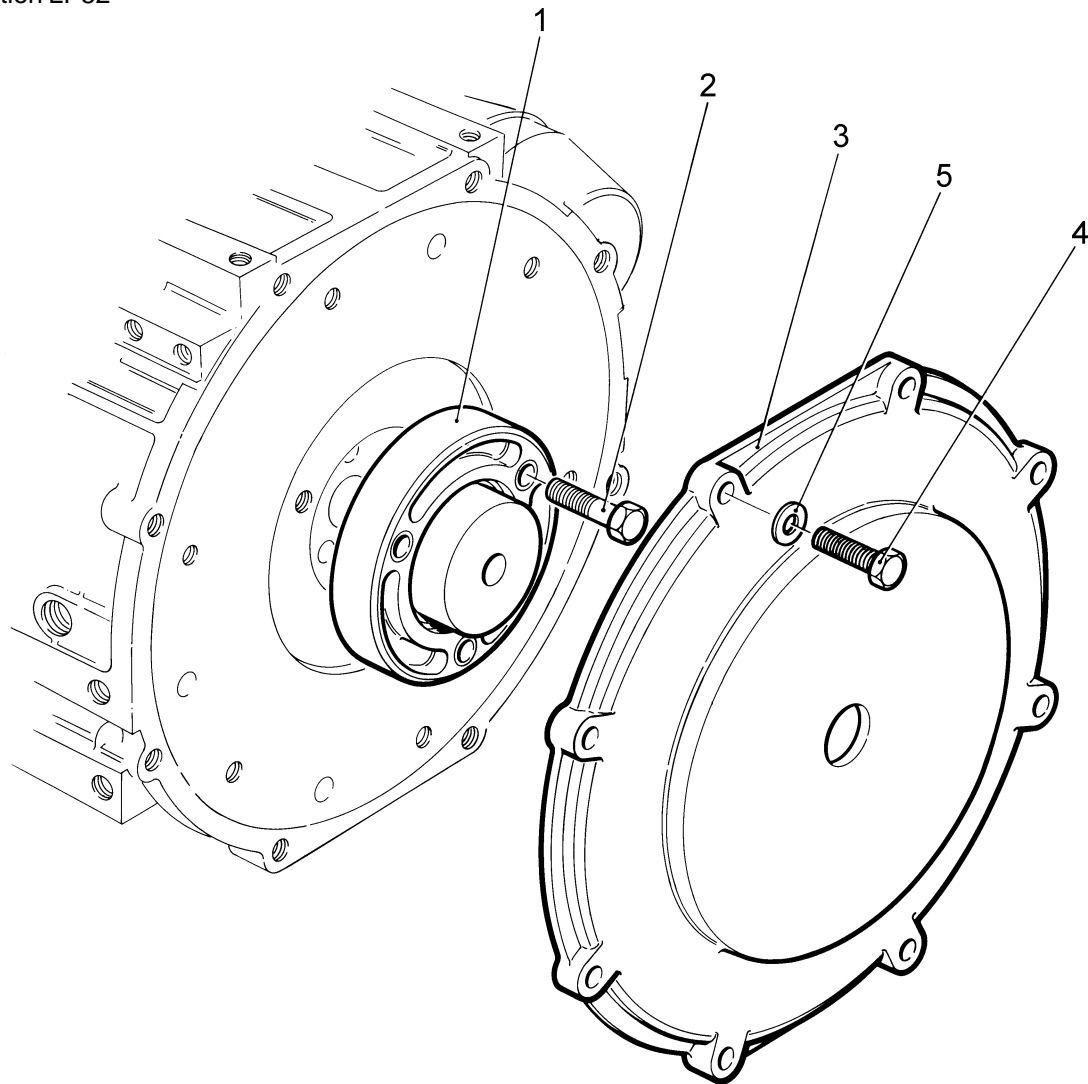
Illustration LP52

No. Description

Part Number LPW/S/T
2 3 4 Remarks

	Accessory Kit Code HA	750-10701	1	1	1	
1	Coupling	757-13251	1	1	1	
2	Bolt - M10 x 40mm	272-00673	3	3	3	
3	Hydraulic Pump Adaptor	757-13200	1	1	1	
4	Bolt - M10 x 35mm	272-00692	8	8	8	Replaces 752674
5	Washer	272-00694	8	8	8	Replaces 785613

Illustration LP52



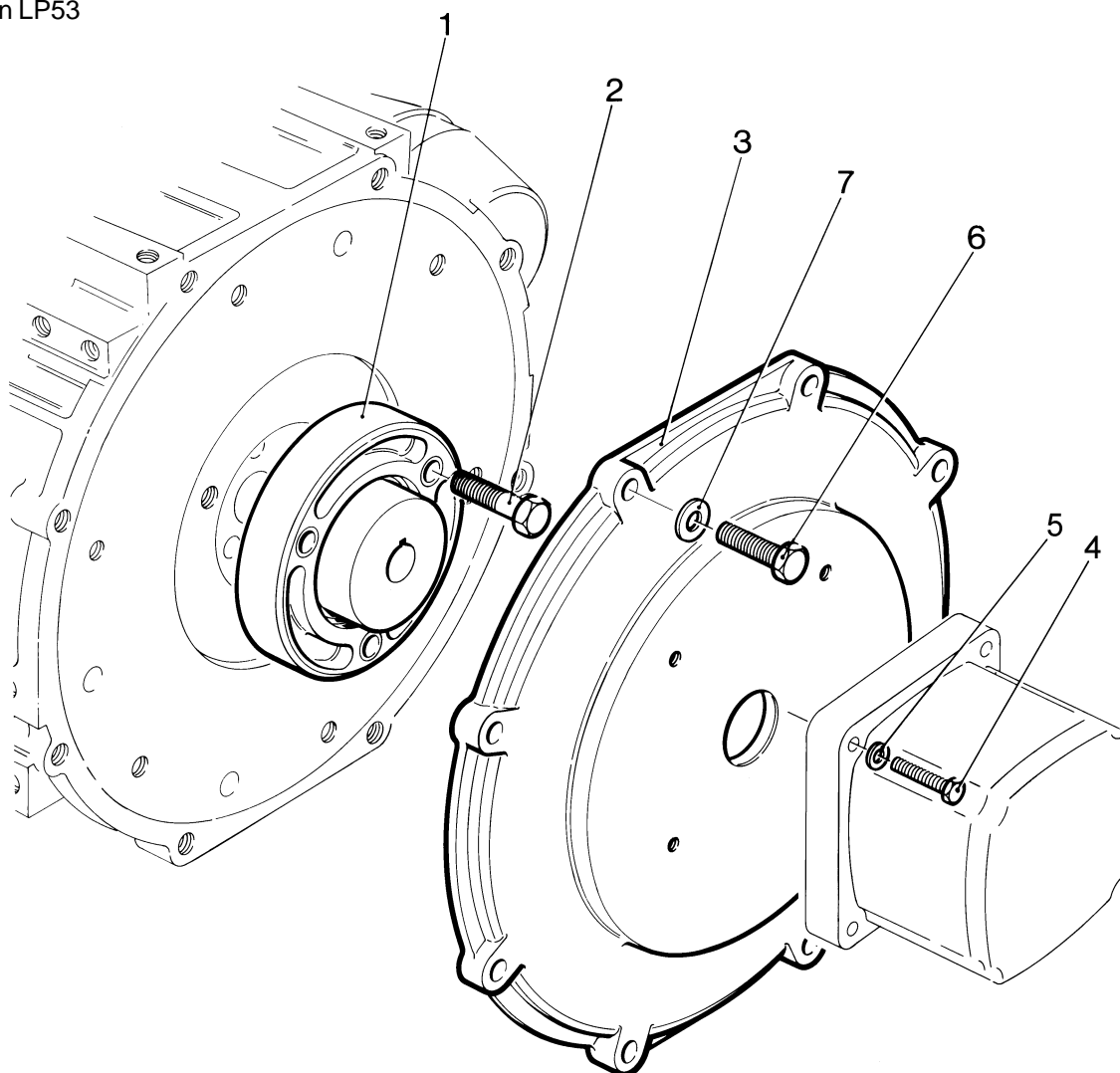
Flywheel End Hydraulic Pump Adaptor

Group 2, 4 Bolt; 1:8 Taper Shaft

Illustration LP53

No.	Description	Part Number	LPW/S/T			Remarks
			2	3	4	
	Accessory Kit Code HD	750-10711	1	1	1	
1	Coupling	757-13252	1	1	1	
2	Bolt - M10 x 40mm	272-00673	3	3	3	
3	Hydraulic Pump Adaptor	757-13202	1	1	1	
4	Setscrew - M6 x 35mm	272-00349	4	4	4	
5	Washer	272-00688	4	4	4	
6	Setscrew	272-00692	8	8	8	Replaces 752674
7	Washer	272-00694	8	8	8	Replaces 785613

Illustration LP53



Flywheel End Hydraulic Pump Adaptor

Illustration LP54 No. Description	Part Number	LPW/S/T			Remarks
		2	3	4	
Accessory Kit Code HB	750-13810	1	1	1	SAE A, 2 Bolt Adaptor Only
Accessory Kit Code HF	750-10721	1	1	1	SAE B, 2 Bolt; Splined Shaft (13T 16/32 DP). Replaces 750-10720
Accessory Kit Code HG	750-12381	1	1	1	SAE A, 2 Bolt; Splined Shaft (9T 16/32 DP). Replaces 750-12380
Accessory Kit Code HH	750-12801	1	1	1	SAE B, 2 Bolt; Splined Shaft (11T 16/32 DP). Replaces 750-12800
Accessory Kit Code HI	750-12511	1	1	1	SAE B, 2 Bolt; Splined Shaft (15T 16/32 DP). Replaces 750-12510
Accessory Kit Code HK	750-13061	1	1	1	SAE B, 2 Bolt; Splined Shaft (11T 16/32 DP). Replaces 750-13060
Accessory Kit Code HL	750-14700	1	1	1	SAE A, 2 Bolt; Splined Shaft (11T 16/32 DP)
Accessory Kit Code HM	750-44550	1	1	1	SAE A, 2 Bolt; Splined Shaft (15T 16/32 DP)
Accessory Kit Code HZ	750-14650	1	1	1	2 Bolt Din 5480
1 Coupling - 13 Teeth	757-13253	1	1	1	Code HF
- Coupling - 9 Teeth	757-18740	1	1	1	Code HG
- Coupling - 11 Teeth	757-19530	1	1	1	Code HH, HK, HL
- Coupling - 15 Teeth	757-19110	1	1	1	Code HI, HM
- Coupling - 9 Teeth	757-24550	1	1	1	Code HZ
2 Bolt - M10 x 40mm	272-00673	3	3	3	Code HF, HG, HH, HI, HL, HM
- Capscrew - M10 x 45mm	272-00207	3	3	3	Code HK
3 Hydraulic Pump Adaptor	757-13201	1	1	1	Code HF, HH, HI
- Hydraulic Pump Adaptor	757-13204	1	1	1	Code HB, HG, HL, HM
- Hydraulic Pump Adaptor	757-13205	1	1	1	Code HK
- Hydraulic Pump Adaptor	757-13209	1	1	1	Code HZ
4 Bolt - M10 x 35mm	272-00692	8	8	8	Replaces 752674. All Codes
5 Washer - M10	272-00694	8	8	8	Replaces 785613. All Codes
6 Setscrew - M12 x 35mm	272-00703	2	2	2	Code HF, HH
- Setscrew - M12 x 50mm	272-00254	2	2	2	Replaces 272-00703. Code HI
- Setscrew - M10 x 30mm	272-00697	2	2	2	Code HG, HL
- Bolt - 5/8" UNF x 1.5"	270-00147	2	2	2	Code HK
7 Washer - M12	272-00705	2	2	2	Code HF, HH, HI
- Washer - M10	272-00694	2	2	2	Code HG, HL, HM
- Washer - 5/8 Dia	786559	2	2	2	Code HK
- Drive Member	757-15050	1	1	1	Code HZ

Note:

Codes HH and HK are the same except the HK adaptor has clearance and not threaded holes for the pump.

Gear End Hydraulic Pump Adaptor

Group 1, 4 Bolt 1:8 Taper Shaft

Build 05 only, Auxiliary Position - 5kW maximum

Illustration LP96 No. Description	Part Number	LPW/S/T			Remarks
		2	3	4	
Accessory Kit Code HW	750-10780	1	1	1	
Accessory Kit Code HC	750-15960	1	1	1	
1 Adaptor Plate	750-11820	1	1	1	
2 Joint	757-14920	1	1	1	
3 Gear	757-14881	1	1	1	
4 Joint	751-13160	1	1	1	
5 Splined Bush	757-16430	1	1	1	
6 Bolt - M6 x 40mm	272-00036	4	4	4	Replaces 272-00076
7 Spring Washer	272-00070	4	4	4	

Illustration LP54

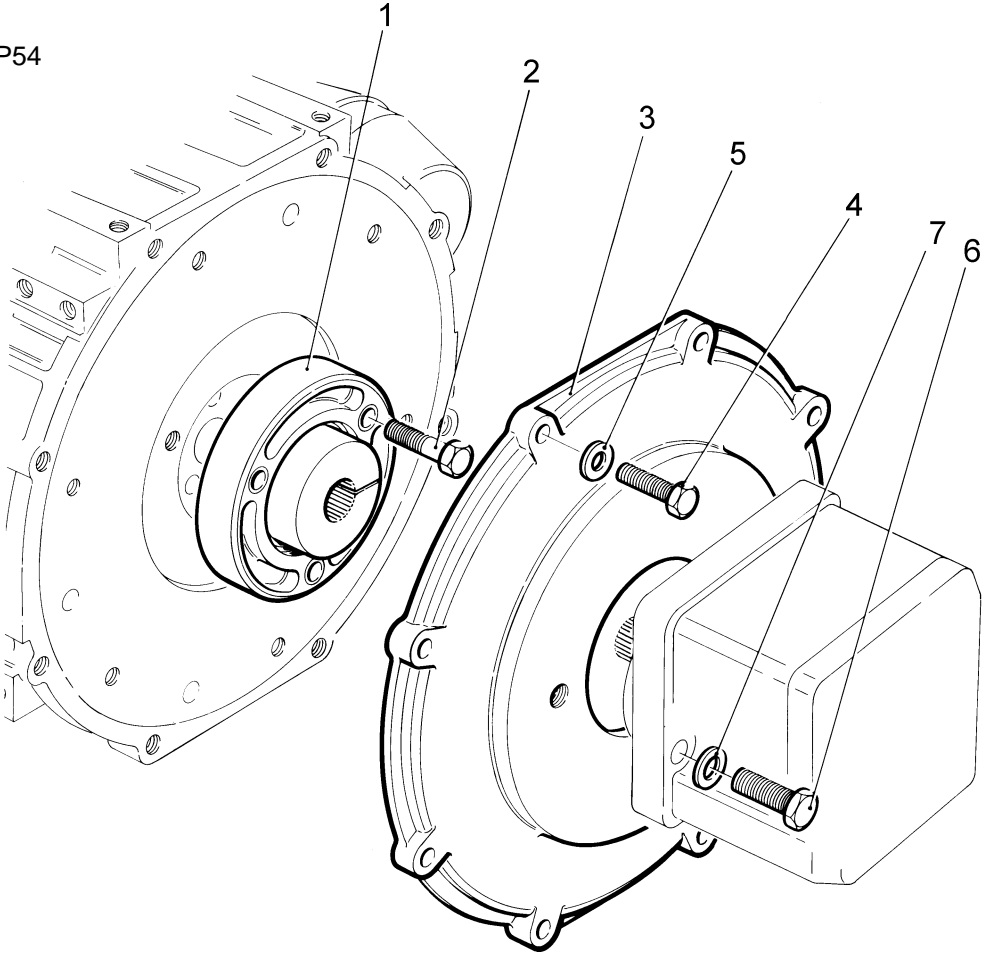
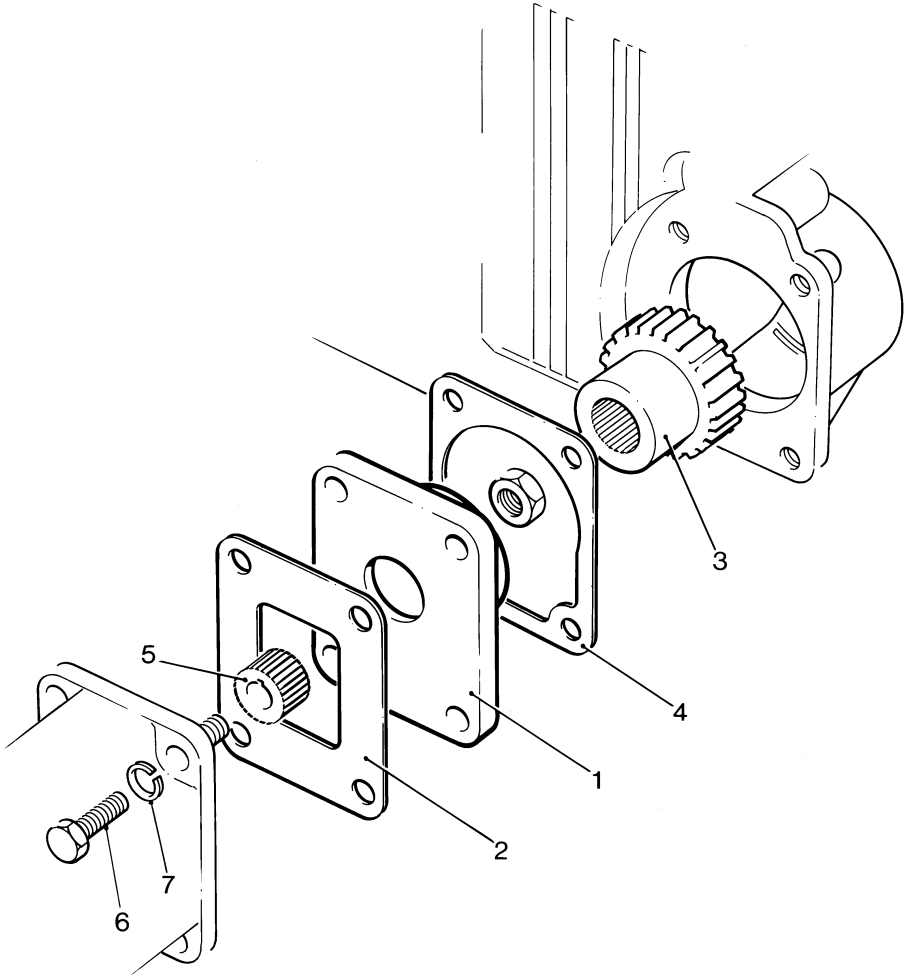


Illustration LP96



Hydraulic Pump Mounting Bracket

Illustration LP186

No. Description

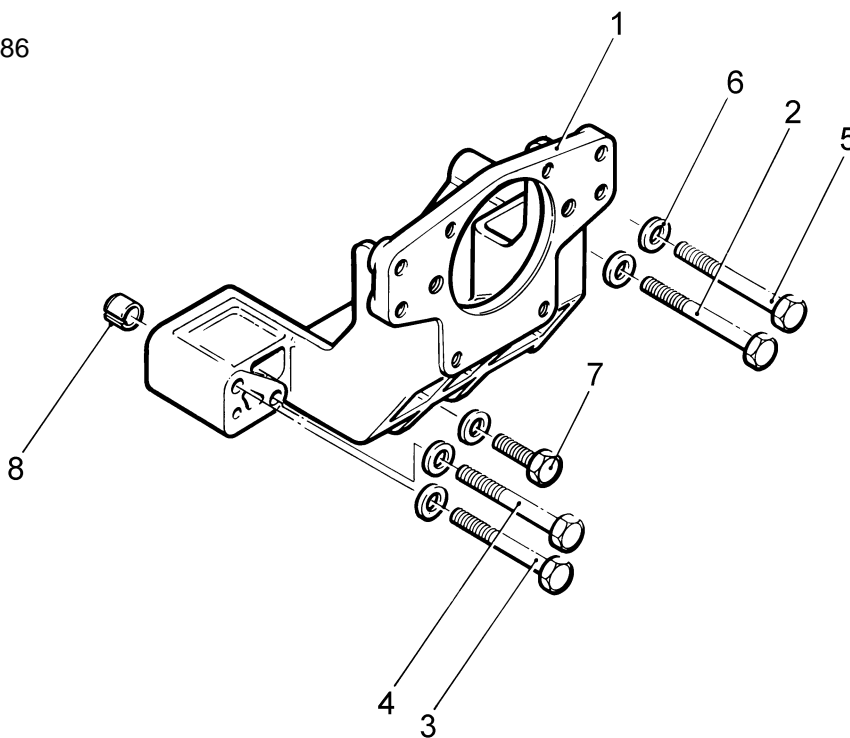
Part Number

LPW/S/T

2 3 4 Remarks

	Accessory Kit Code HV	750-41081	1	1	1	
1	Adaptor	757-12354	1	1	1	
2	Bolt - M10 x 90mm	272-00675	1	1	1	
3	Bolt - M10 x 80mm	272-00701	1	1	1	Replaces 272-00700
4	Bolt - M10 x 80mm	272-00701	1	1	1	
5	Bolt - M10 x 90mm	272-00675	1	1	1	Replaces 272-00702
6	Washer - M10	272-00694	5	5	5	
7	Bolt - M10 x 60mm	272-00731	1	1	1	
8	Dowel	757-12590	2	2	2	

Illustration LP186



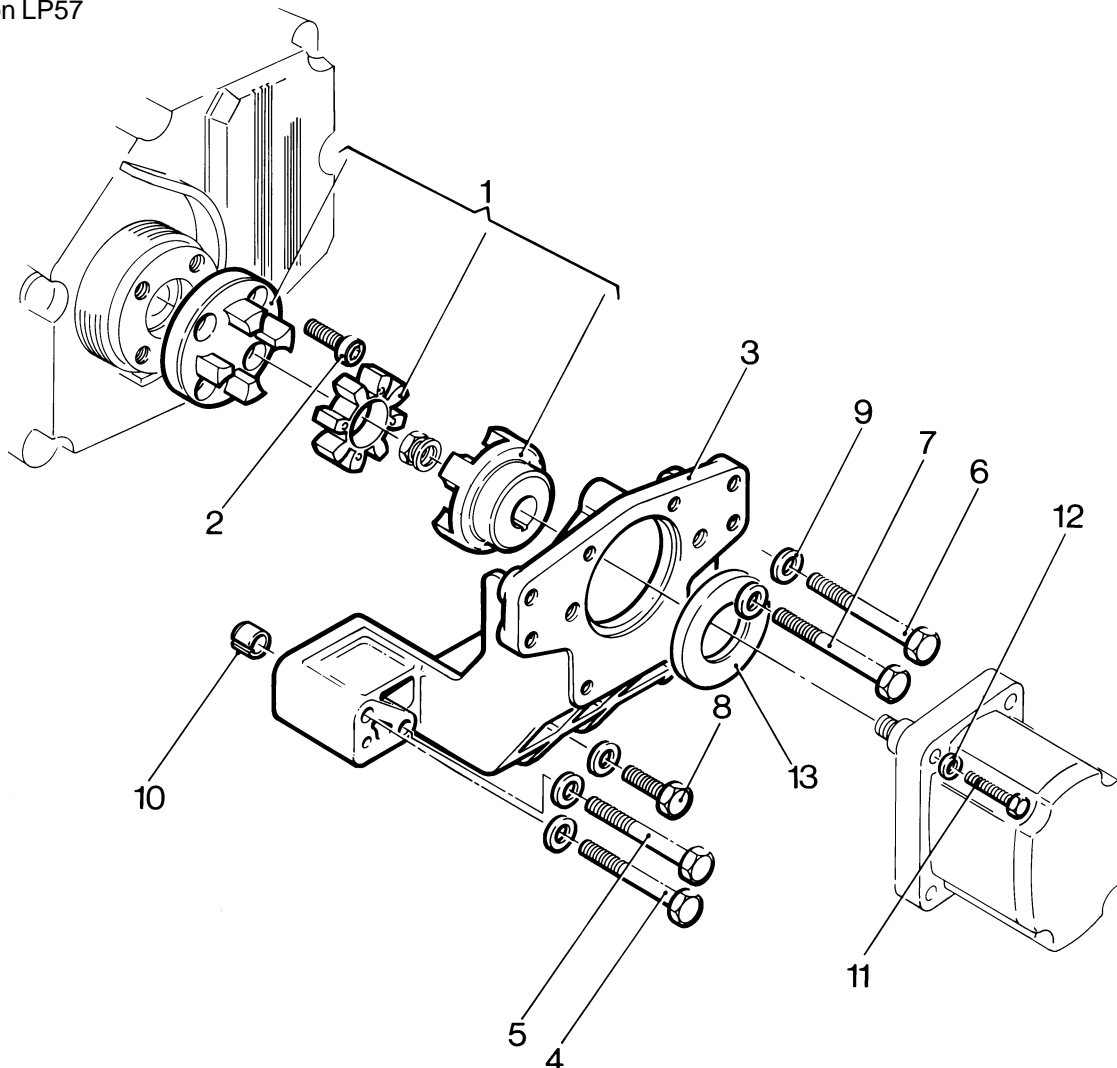
Gear End Hydraulic Pump Adaptor

Group 2, 4 Bolt 1:8 Taper Shaft

Illustration LP57

No.	Description	Part Number	LPW/S/T			Remarks
			2	3	4	
	Accessory Kit Code HX	750-10742	1	1	1	Replaces 750-10741
1	Coupling	757-13030	1	1	1	
2	Capscrew - M8 x 20mm	272-00243	4	4	4	
3	Adaptor	757-12354	1	1	1	Replaces 757-12353
4	Bolt - M10 x 80mm	272-00701	1	1	1	Replaces 272-00700
5	Bolt - M10 x 80mm	272-00701	1	1	1	
6	Bolt - M10 x 90mm	272-00675	1	1	1	Replaces 272-00702
7	Bolt - M10 x 90mm	272-00675	1	1	1	
8	Bolt - M10 x 60mm	272-00731	1	1	1	
9	Washer	272-00694	5	5	5	
10	Dowel	757-12590	2	2	2	
11	Setscrew - M6 x 35mm	272-00349	4	4	4	
12	Washer	272-00688	4	4	4	
13	Spigot Ring	340865	1	1	1	

Illustration LP57



Gear End Hydraulic Pump Adaptor

SAE A, 2 Bolt Parallel Shaft

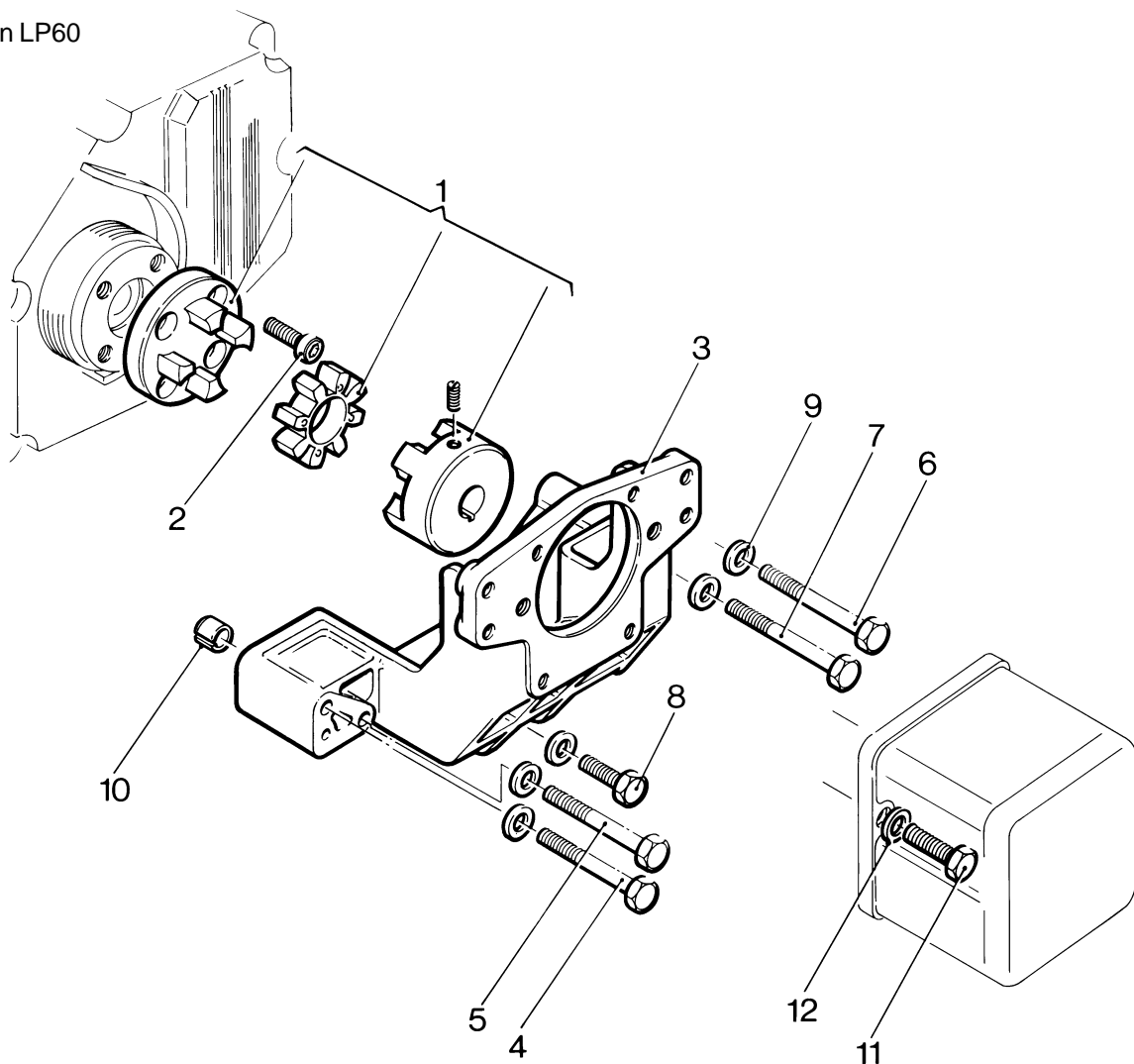
Illustration LP60

No. Description

LPW/S/T
Part Number 2 3 4 Remarks

	Accessory Kit Code HY	750-10752	1	1	1	Replaces 750-10751
1	Coupling	757-13032	1	1	1	
2	Capscrew - M8 x 20mm	272-00243	4	4	4	
3	Adaptor	757-12354	1	1	1	Replaces 757-12353
4	Bolt - M10 x 80mm	272-00701	1	1	1	Replaces 272-00700
5	Bolt - M10 x 80mm	272-00701	1	1	1	
6	Bolt - M10 x 90mm	272-00675	1	1	1	Replaces 272-00702
7	Bolt - M10 x 90mm	272-00675	1	1	1	
8	Bolt - M10 x 60mm	272-00731	1	1	1	
9	Washer	272-00694	5	5	5	
10	Dowel	757-12590	2	2	2	
11	Setscrew - M10 x 30mm	272-00697	2	2	2	
12	Washer	272-00694	2	2	2	

Illustration LP60



Gear End Hydraulic Pump Adaptor - Pilot Bored - LPW/S

Illustration LP61

No. Description

LPW/LPWS

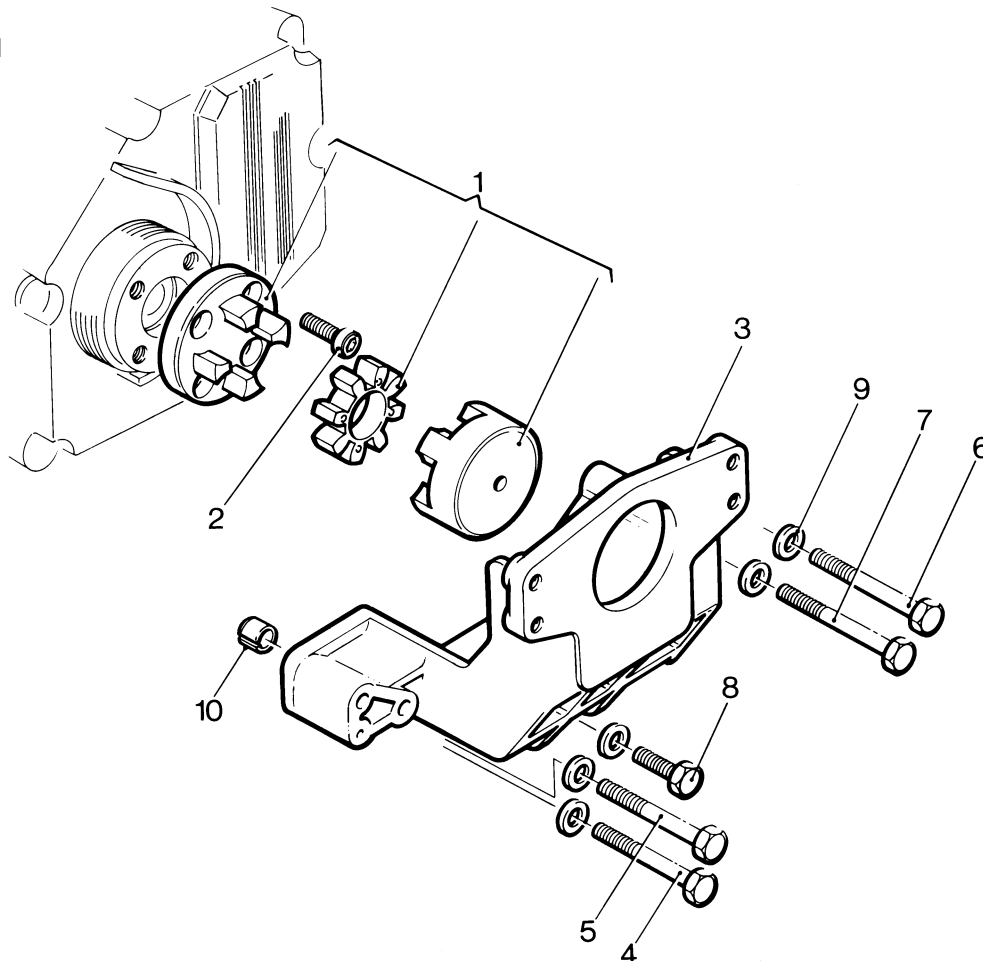
Part Number 2 3 4 Remarks

	Former Accessory Kit Code HZ	1	1	1	
1	Coupling 757-13031	1	1	1	
2	Capscrew - M8 x 20mm 272-00243	4	4	4	
3	Adaptor 757-12354	1	1	1	Replaces 757-10431 & 757-10432
4	Bolt - M10 x 75mm 272-00700	1	1	1	
5	Bolt - M10 x 80mm 272-00701	1	1	1	
6	Bolt - M10 x 86mm 272-00702	1	1	1	
7	Bolt - M10 x 90mm 272-00675	1	1	1	
8	Set screw - M10 x 60mm 272-00731	1	1	1	
9	Washer 272-00694	5	5	5	
10	Dowel 757-12590	2	2	2	

Note:

For other reference to Hydraulic Pump Adaptor see Accessory Kit Code CD.

Illustration LP61



Fuel Control Solenoid (Early Types) - LPW/S

The Fuel Control Solenoid Kit shown in Illustration LP118, was replaced by the kit shown on Illustration LP167.

The component parts are not interchangeable.

These have now been replaced by the later type Fuel Control Solenoids (Codes JA & JC).

Energised to Run

Illustration LP118

No.	Description	Part Number	LPW/LPWS			Remarks
			2	3	4	
1	Solenoid	757-15903	1	1	1	See Note ¹
2	Push/Pull Rod - LPW/S2	757-18191	1	-	-	Replaces 757-18190, see Note ²
-	Push/Pull Rod - LPW/S3	757-18202	-	1	-	Replaces 757-18201, see Note ²
-	Push/Pull Rod - LPW/S4	757-18212	-	-	1	Replaces 757-18211, see Note ²
3	Bracket - LPW2	757-19440	1	-	-	Replaces 757-16370
-	Bracket - LPW/LPWS3,4	757-16370	-	1	1	
4	Washer	785352	3	3	3	
5	Split Pin	027-01986	3	3	3	
6	Setscrew - M6 x 12mm	272-00660	1	1	1	
7	Solenoid Bracket	757-16334	1	1	1	Replaces 757-16332. See Note ²
8	Stud	757-18240	1	1	1	
9	Nut - M6	272-00679	3	3	3	
10	Washer	785352	4	4	4	
11	Setscrew - M6 x 14mm	272-00693	2	2	2	
12	Spring	382-07369	1	1	1	
13	Trunnion		1	1	1	
14	Stop/Run Lever	757-17991	1	1	1	
15	Setscrew - M5 x 10mm	272-00690	2	2	2	
16	Washer	785351	1	1	1	
17	Cable Assembly	757-16410	1	1	1	
18	Washer	272-00688	1	1	1	
19	Shouldered Nut	757-18510	1	1	1	

Notes:

1) Circuit Breaker 366-08092 is required if replacing Solenoid 757-15903 with later kits.

2) The later bracket and rod must be fitted together.

Energised to Run

Illustration LP167

No.	Description	Part Number	LPW/LPWS			Remarks
			2	3	4	
1	Solenoid - 12V - LPW/S2,3,4	366-07197	1	1	1	
-	Solenoid - 24V - LPW/S2,3,4	751-15670	1	1	1	Only for approved applications
2	Push Rod - LPW/S2	752-17680	1	-	-	
-	Push Rod - LPW/S3	753-17680	-	1	-	
-	Push Rod - LPW/S4	754-17680	-	-	1	
3	Split Pin	027-01986	2	2	2	
4	Bracket	757-16370	1	1	1	
-	Bracket	757-20720	1	1	1	24V solenoid only
5	Screw - M6 x 12mm	272-00660	1	1	1	
6	Solenoid Bracket	751-17670	1	1	1	
7	Stud	757-18240	1	1	1	
8	Shouldered Nut	757-18510	1	1	1	
9	Washer	785352	6	6	6	
10	Setscrew - M6 x 14mm	272-00693	2	2	2	
11	Stop/Run Lever	751-15201	1	1	1	Replaces 751-15200
12	Setscrew - M5 x 10mm	272-00690	2	2	2	
13	Washer	785351	1	1	1	
14	Nut - M6	272-00679	4	4	4	
15	Cable Assembly	757-16410	1	1	1	
16	Washer	272-00688	1	1	1	
-	Push-on Connector	757-17330	1	1	1	
-	Cover	757-14160	1	1	1	
-	Adaptor	757-17650	1	1	1	

Illustration LP118

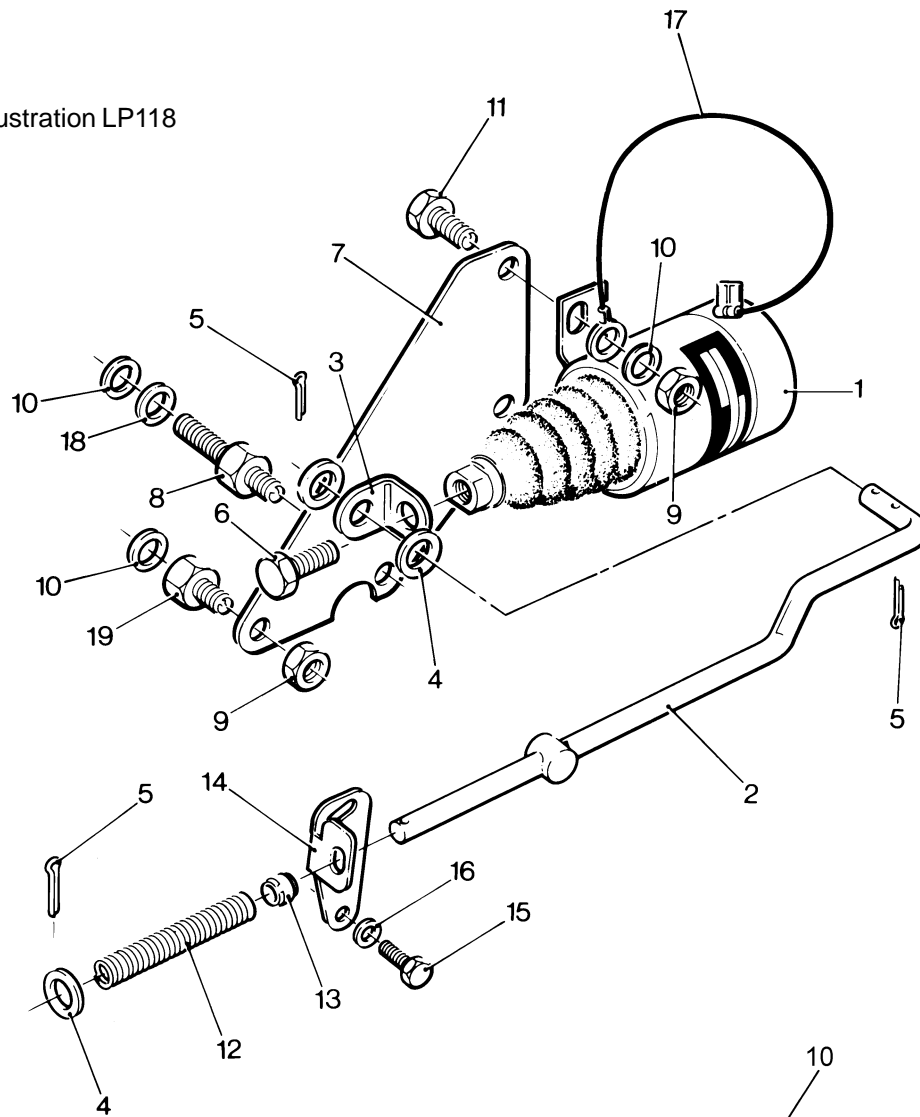
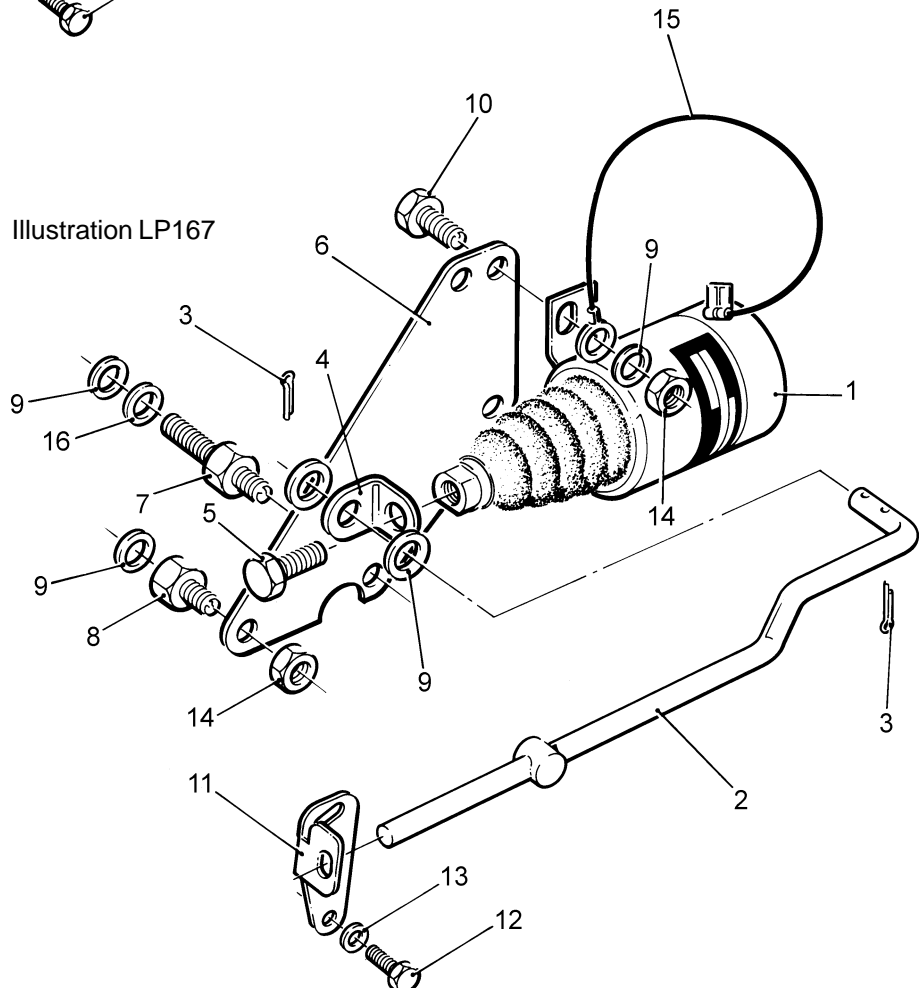


Illustration LP167



Fuel Control Solenoid (Later Type)

This Fuel Control Solenoid replaces earlier kits shown on previous pages.
The component parts are not interchangeable.

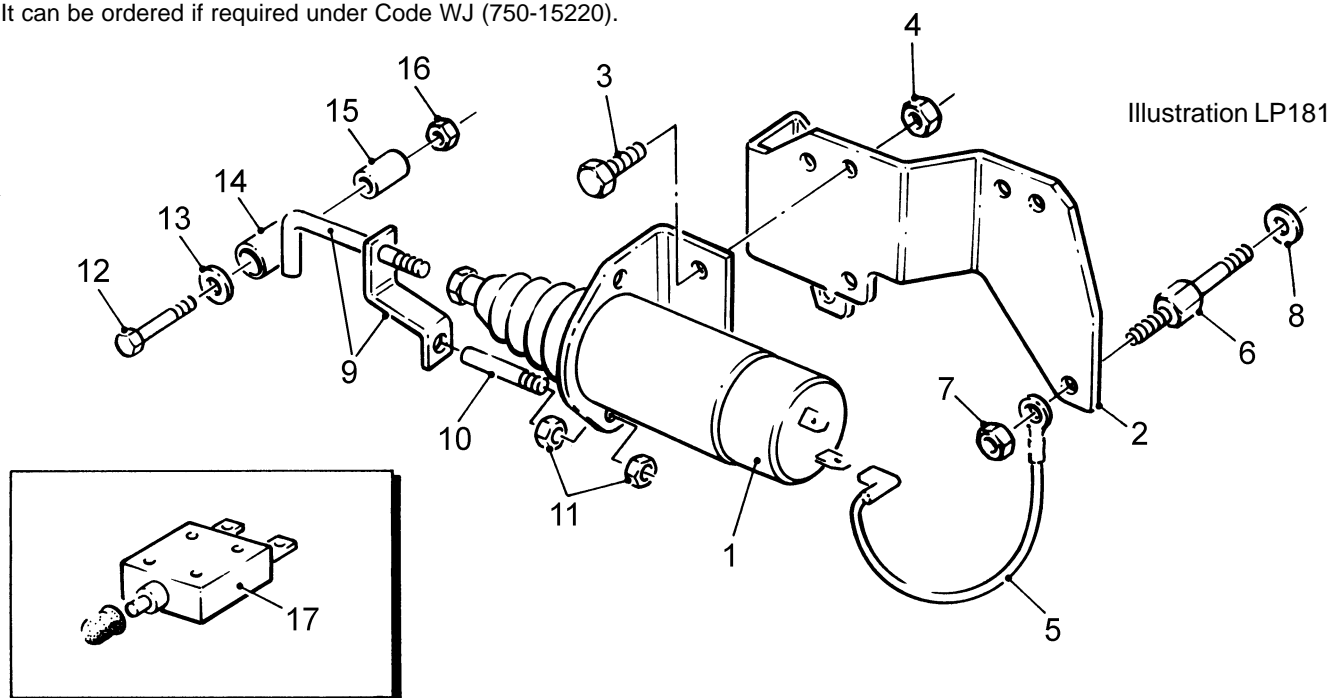
Energised to Run

Illustration LP181

No.	Description	Part Number	LPW/S/T			Remarks
			2	3	4	
	Accessory Kit Code JA	750-14310	1	1	1	12V Solenoid
	Accessory Kit Code JC - LPW/S3,4	750-15380	-	1	1	12V Solenoid for Build 76
	Accessory Kit Code JD	750-15120	-	1	1	12V Solenoid
	Accessory Kit for 24V Solenoid	750-14311	1	1	1	24V Solenoid
1	Solenoid - 12V	366-07197	1	1	1	
-	Solenoid - 12V	757-26630	1	1	1	Code JD
-	Solenoid - 24V	366-07198	1	1	1	Approved Applications Only
2	Bracket	757-22950	1	1	1	Code JA
-	Bracket	751-19410	-	1	1	Code JC
-	Shouldered Stud	757-18242	-	1	1	Code JC
3	Screw - M6 x 14mm	272-00661	2	2	2	Replaces 272-00693
4	Nut - M6	272-00679	4	4	4	
-	Spring Washer	786378	5	5	5	
-	Self Locking Nut	272-00372	5	5	5	
5	Cable Assembly	757-16410	1	1	1	
6	Stud	757-18240	2	2	2	
7	Nut - M6	272-00679	2	2	2	
8	Washer - M6	272-00688	2	2	2	
9	Rod and Bracket Assembly	757-24700	1	1	1	
10	Locating Rod	757-24730	1	1	1	
11	Nut - M6	272-00679	2	2	2	
-	Spring Washer	786378	2	2	2	
12	Screw - M5	272-00717	1	1	1	Replaces 272-00718
13	Washer - M5	272-00687	1	1	1	
14	Roller	757-24690	1	1	1	
15	Spacer	757-24740	1	1	1	
16	Nut - M5	272-00678	1	1	1	
17	Circuit Breaker - 6Amp	366-08092	1	1	1	See Note
-	Adaptor	757-17650	1	1	1	Required if Oil Pressure Switch fitted
-	Push On Connector	757-17330	1	1	1	
-	Cover	757-14160	1	1	1	

Note:

This Circuit Breaker was only included in Kit JA for a short time.
It can be ordered if required under Code WJ (750-15220).



Fuel Control Solenoid

Energised to Stop

Illustration LP182

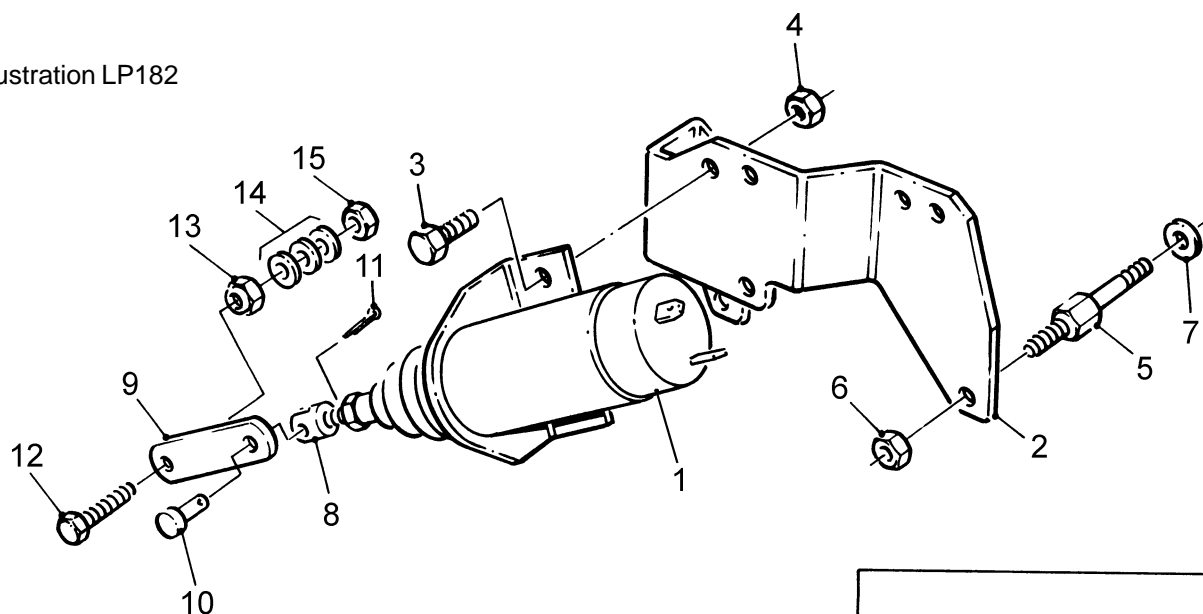
No.	Description	Part Number	LPW/S/T			Remarks
			2	3	4	
	Accessory Kit Code JB	750-14250	1	1	1	
1	Solenoid	366-07197	1	1	1	Replaces 757-23950
2	Bracket	757-22950	1	1	1	
3	Screw - M6	272-00661	2	2	2	Replaces 272-00693
4	Nut - M6	272-00679	2	2	2	
5	Stud	757-18240	2	2	2	
6	Nut - M6	272-00679	1	1	1	
7	Washer	272-00688	2	2	2	
8	Solenoid Fork	757-19220	1	1	1	
9	Link	757-22990	1	1	1	
10	Solenoid Fork Pin	757-19230	1	1	1	
11	Split Pin	027-02255	1	1	1	
12	Screw - M5	272-00718	1	1	1	
-	Washer - M5	272-00687	4	4	4	
-	Self Locking Nut	272-00372	4	4	4	
-	Spring Washer	786378	4	4	4	
13	Retaining Nut	757-19260	1	1	1	
14	Washer	785351	3	3	3	
15	Nut - M5	272-00678	1	1	1	
16	Circuit Breaker	366-08092	1	1	1	See Note
-	Adaptor	757-17650	1	1	1	Required if Oil Pressure Switch fitted

Note:

This Circuit Breaker was only included in Kit JB for a short time.

It can be ordered if required under Code WJ (750-15220).

Illustration LP182



Fuel Control Solenoid - LPW/S Marine (Early Type)

Earth Return. Formerly Code MJA

Replaced by Industrial Accessory Code JA

Description	Part Number	LPW/LPWS			Remarks
		2	3	4	
Solenoid	757-15903	1	1	1	
Push Pull Rod - LPW/S2	757-18190	1	-	-	
Push Pull Rod - LPW/S3,4	854-01066	-	1	1	
Bracket	757-16370	1	1	1	
Split Pin	027-01986	3	3	3	
Bolt - LPW/S2	272-00634	1	-	-	
Mounting Bracket	854-01068	1	1	1	
Distance Piece	854-01061	1	1	1	
Distance Piece	854-01067	1	1	1	
Stop/Run Lever	365-35186	1	1	1	
Spring	382-07369	1	1	1	
Washer - LPW/S3,4	785351	-	2	2	
Shouldered Nut - LPW/S3,4	757-18510	-	1	1	
Bolt - LPW/S4	272-00690	-	-	2	

Insulated Return. Formerly Code MJB

Replaced by Industrial Accessory Code JA

Description	Part Number	LPW/LPWS			Remarks
		2	3	4	
Solenoid	757-15903	1	1	1	
Push Pull Rod - LPW/S2	757-18191	1	-	-	
Push Pull Rod - LPW/S3,4	854-01181	-	1	1	
Bracket	757-16370	1	1	1	
Split Pin	027-01986	1	1	1	
Washer	785351	1	1	1	
Stop/Run Lever	365-35186	1	1	1	
Screw - M5 x 12mm	272-00728	1	1	1	
Nut	707203	1	1	1	
Wiring Harness	064-40764	1	1	1	
Fuse Link	064-40791	1	1	1	
Relay	382-07974	1	1	1	
Lockwasher - LPW/S3,4	786605	-	2	2	

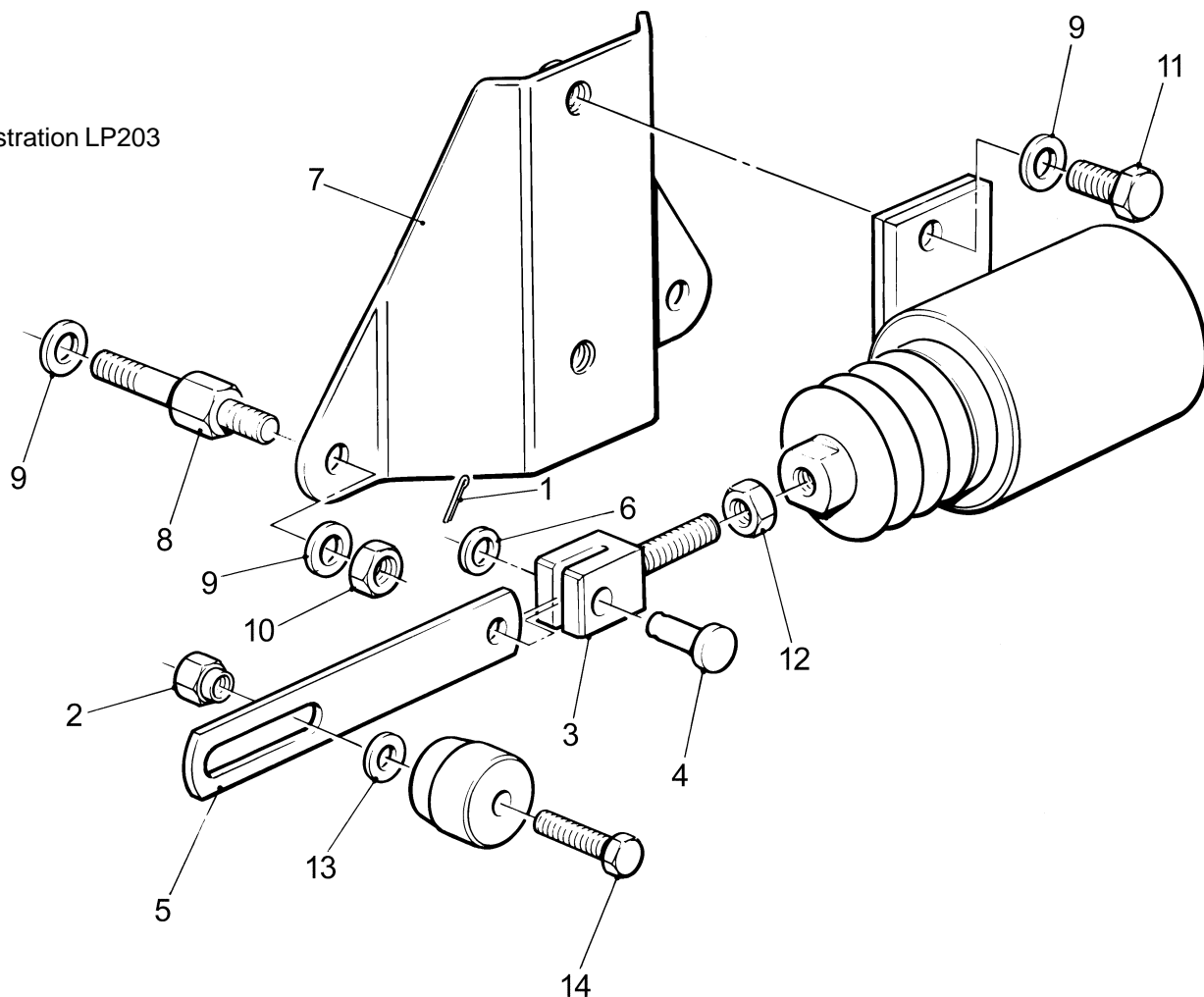
Fuel Control Solenoid Fittings

Energised to Run

Illustration LP203

No.	Description	Part Number	LPW/S/T			Remarks
			2	3	4	
	Accessory Kit Code JJ	750-12083	1	1	1	
1	Split Pin	027-02255	1	1	1	Replaces 757-23950
2	Nut - M6	272-00679	1	1	1	
3	Solenoid Fork	757-19220	1	1	1	
4	Solenoid Fork Pin	757-19230	1	1	1	
5	Solenoid Stop Lever Link	757-19240	1	1	1	
6	Washer	785351	1	1	1	
7	Solenoid Bracket	757-19210	1	1	1	
8	Stud	757-18240	2	2	2	
9	Washer	272-00688	6	6	6	
10	Nut	272-00693	2	2	2	
11	Screw	272-00693	2	2	2	
12	Solenoid Link Retaining Nut	757-19260	1	1	1	
13	Washer	785351	1	1	1	
14	Screw	272-00708	1	1	1	

Illustration LP203



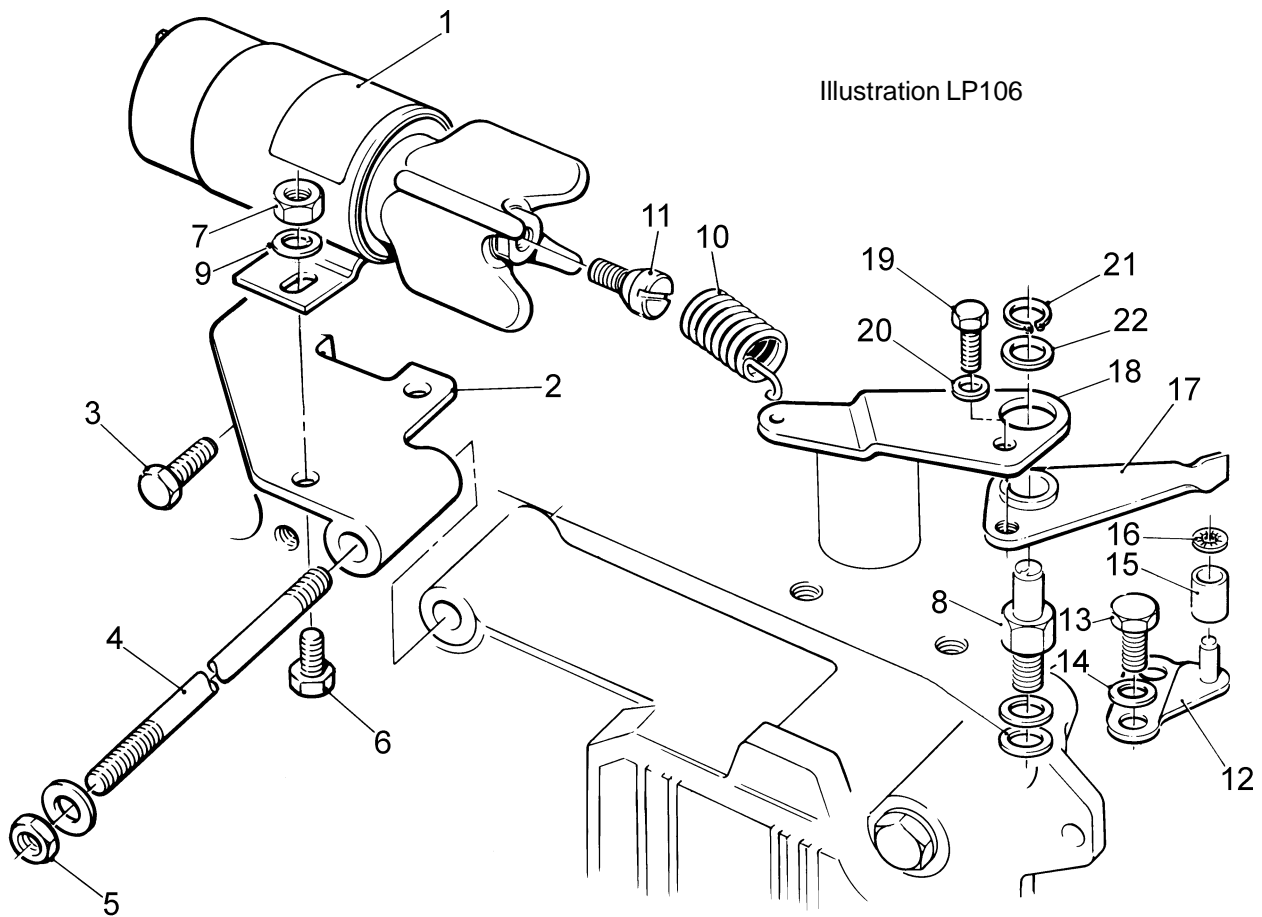
Two Speed Solenoid

Illustration LP106

No.	Description	Part Number	LPW/S/T			Remarks
			2	3	4	
	Accessory Kit Code JE	750-11833	1	1	1	Replaces 750-11830/1/2
1	Solenoid	757-21161	-	-	1	Replaces 757-16450. See Note
-	Solenoid - 24V	757-19270	1	1	1	Only for approved applications
2	Bracket	757-24230	-	-	1	Replaces 757-16440/1. See Note
-	Bracket	757-19190	1	1	1	24V solenoid only
3	Screw - M8 x 16mm	272-00038	1	1	1	
4	Stud	362-03333	1	1	1	
5	Nut - M6	272-00351	1	1	1	
6	Setscrew - M6 x 12mm	272-00693	2	2	2	Replaces 272-00660
7	Nut	272-00372	3	3	3	Replaces 272-00679
8	Spindle	757-16511	1	1	1	Replaces 757-16510
9	Washer - M6	272-00688	2	2	2	
10	Spring	757-16540	1	1	1	
11	Pivot	757-16550	1	1	1	
12	Quadrant Plate Assembly	757-24260	1	1	1	Replaces 757-16460
13	Setscrew - M6 x 10mm	272-00676	1	1	1	
14	Washer	786554	1	1	1	
15	Sleeve	757-17200	1	1	1	
16	Push-on Fastener	272-00636	1	1	1	
17	Lever and Bush Assembly	757-16532	1	1	1	Replaces 757-16531
18	Lever	757-24281	1	1	1	Replaces 757-24280 & 757-16522/3
19	Setscrew - M5 x 12mm	272-00728	1	1	1	
20	Shakproof Washer	786553	1	1	1	Replaces 272-00687
21	Circlip	366-07680	1	1	1	
22	Washer	272-00715	3	3	3	
23	Washer	272-00688	2	2	2	
-	Circuit Breaker	757-20360	1	1	1	
-	Setscrew	272-00662	2	2	2	
-	Spring Washer	272-00360	1	1	1	
-	Spring Washer	786378	3	3	3	

Note:

The later bracket and lever must be fitted with solenoid 757-21161.



Protection Switches

Oil Pressure Switch

Illustration LP104

Description	Part Number	LPW/S/T			Remarks
		2	3	4	
Accessory Kit Code JG	750-10231	1	1	1	Variable speed engines - 3 terminal
Accessory Kit Code JK	750-11110	1	1	1	Single terminal
Accessory Kit Code JN	750-14870	1	1	1	Constant speed engines
1 Switch	757-15721	1	1	1	Code JG. Replaces 757-15720
- Switch	757-15420	1	1	1	Code JK
- Switch	757-26381	1	1	1	Code JN. Replaces 757-26380
2 Protection Boot	757-17390	1	1	1	
3 Push-on Connector	757-14150	2	2	2	
4 Cover	757-14160	2	2	2	
5 Adaptor	757-17650	1	1	1	Required if a fuel control solenoid is fitted. Not included in kits.

Water Temperature Switch

Illustration LP64

No. Description	Part Number	LPW/S/T			Remarks
		2	3	4	
Accessory Kit Code JI	750-10281	1	1	1	Normally closed contacts.
Accessory Kit Code JL	750-12930	1	1	1	Normally open contacts
Accessory Kit Code JO	750-41390	1	1	1	Normally open contacts
1 Switch	329-15120	1	1	1	Code JI. Replaces 396-20140
- Switch	329-15140	1	1	1	Code JL
- Head Thermostat	691-01815	1	1	1	Code JO
2 Adaptor	757-17400	1	1	1	
3 Copper Washer	201-11890	1	1	1	

Illustration LP104

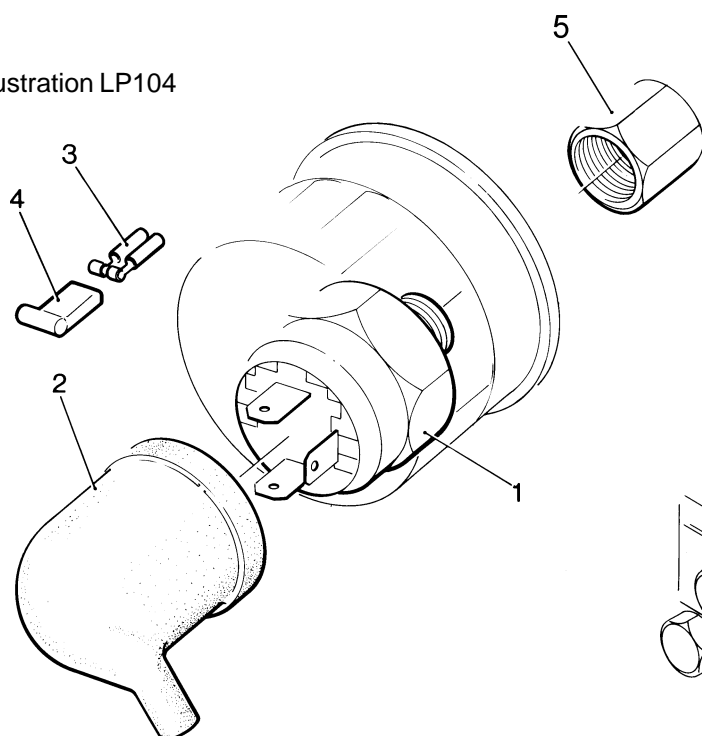
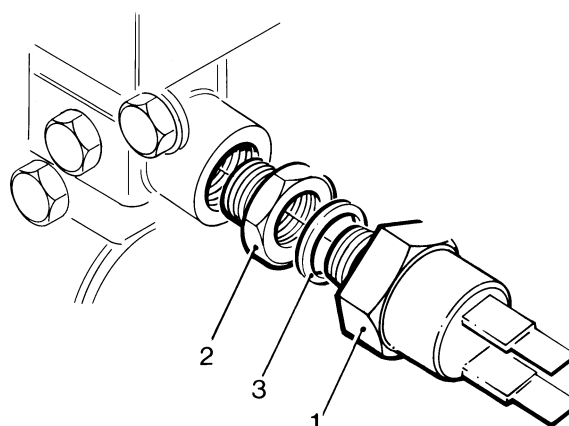


Illustration LP64



Protection Switches - Marine

Oil Pressure Switch

Description	Part Number	LPW/LPWS			Remarks
		2	3	4	

Oil Pressure Switch - LPW3,4	803-02261	-	1	1	Build 48
Adaptor - LPW3,4	757-17650	-	1	1	Build 48
Switch - LPW3,4	757-23660	-	1	1	Build 48

Oil Pressure Sender

Description	Part Number	LPW/S/T			Remarks
		2	3	4	

Accessory Kit Code MJM	750-63130	1	1	1	
Oil Pressure Sender	803-02174	1	1	1	

Water Temperature Switch

Description	Part Number	LPW/LPWS			Remarks
		2	3	4	

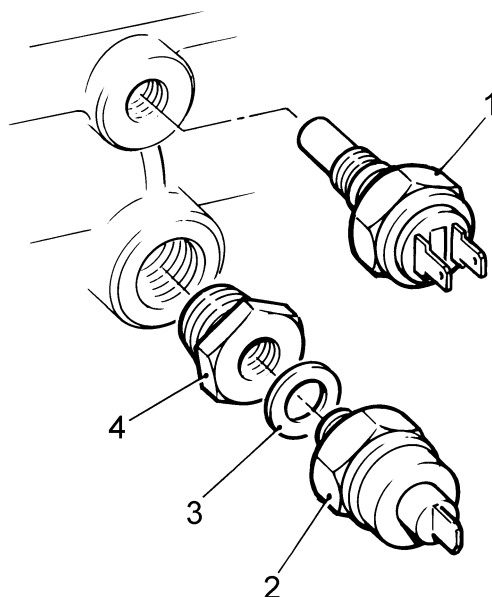
Accessory Kit Code MJC - LPW/S2,3,4	750-61450	1	1	1	
Switch	858-00398/001	1	1	1	

Temperature Gauge Sender

No. Description	Part Number	LPW/S/T			Remarks
		2	3	4	

Accessory Kit Code MJN	750-63140	1	1	1	
1 Temperature Sender	757-24000	1	1	1	
2 Headstat Switch	329-15140	1	1	1	
3 Copper Washer	201-11890	1	1	1	
4 Adaptor	757-17400	1	1	1	

Illustration LPM44



Variable Speed Controls

Cable Operated - Illustration LP70

No.	Description	Part Number	LPW/S/T			Remarks
			2	3	4	
	Accessory Kit Code KA	750-10331	1	1	1	
1	Speed Control Assembly	757-12901	1	1	1	
2	Tension Spring	757-14110	1	1	1	
3	Anchor Plate	751-15140	1	1	1	Not part of kit

Engine Mounted Control - Illustration LP72

No.	Description	Part Number	LPW/S/T			Remarks
			2	3	4	
	Accessory Kit Code KC	750-10321	1	1	1	Replaces 750-10320
1	Lever	757-13960	1	1	1	
2	Cheese Head Screw - M6 x 10mm	757-13980	1	1	1	
3	Spring Washer	786378	1	1	1	
-	Washer - M12	272-00705	2	2	2	
-	Spring Washer	601-33110	2	2	2	
-	Lever Pivot Anchor Plate	757-13950	1	1	1	
-	Connecting Plate Assembly	757-27700	1	1	1	
-	Adjusting Screw	757-27720	1	1	1	

Extension Bracket - Illustration LP77

No.	Description	Part Number	LPW/S/T			Remarks
			2	3	4	
	Accessory Kit Code KG	750-10340	1	1	1	
1	Connection Plate	757-13990	1	1	1	
2	Setscrew - M6 x 10mm	272-00676	1	1	1	
3	Spring Washer	786378	1	1	1	

Tension Spring - Loose

Not Illustrated

No.	Description	Part Number	LPW/S/T			Remarks
			2	3	4	
	Accessory Kit Code XC	750-15890	1	1	1	
	Tension Spring	757-14110	1	1	1	

Illustration LP70

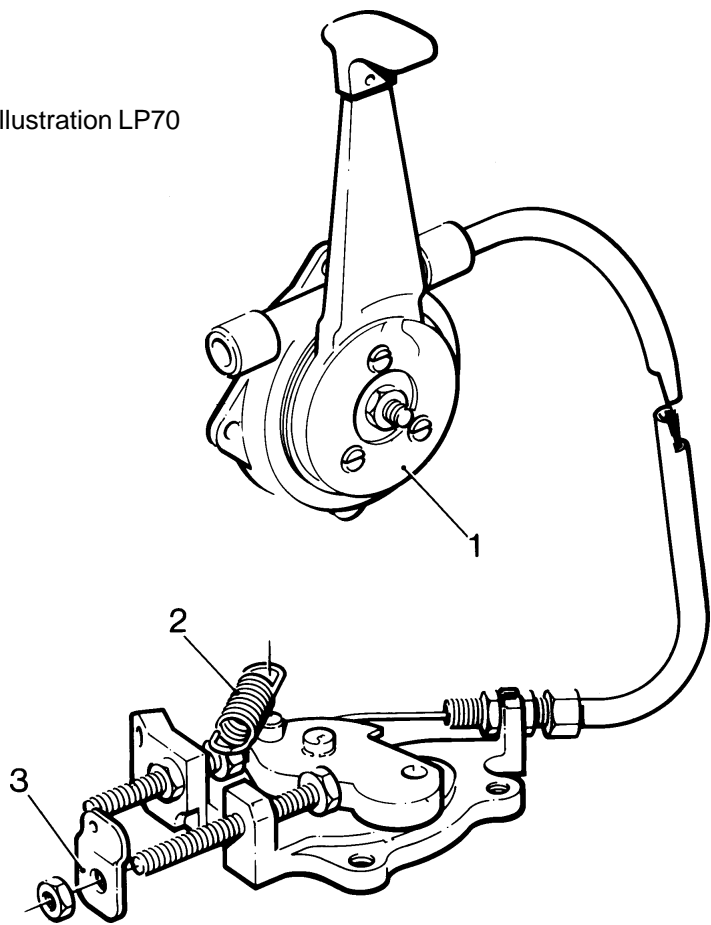


Illustration LP77

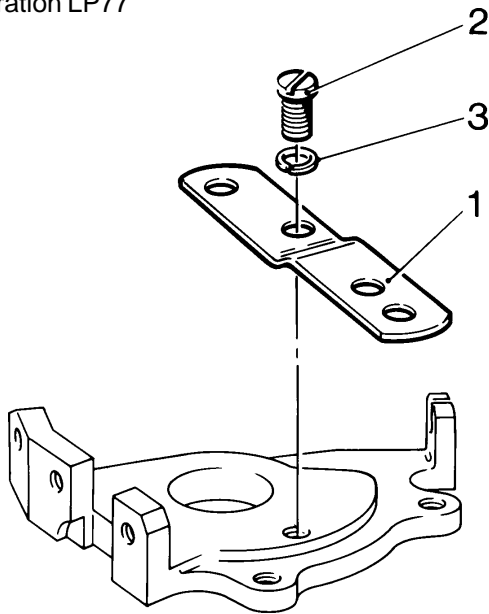
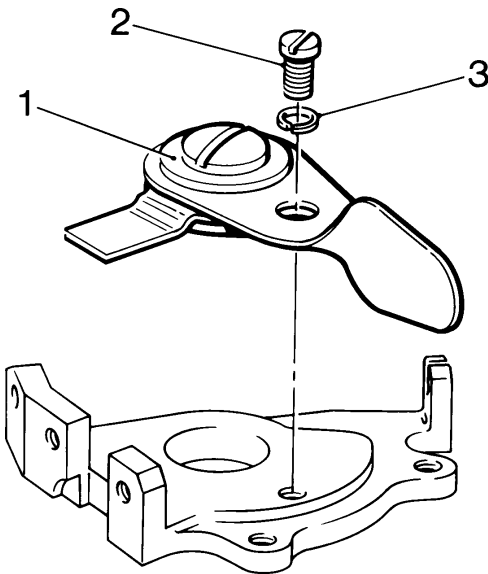


Illustration LP72



Remote Stop

Illustration LP73

No. Description

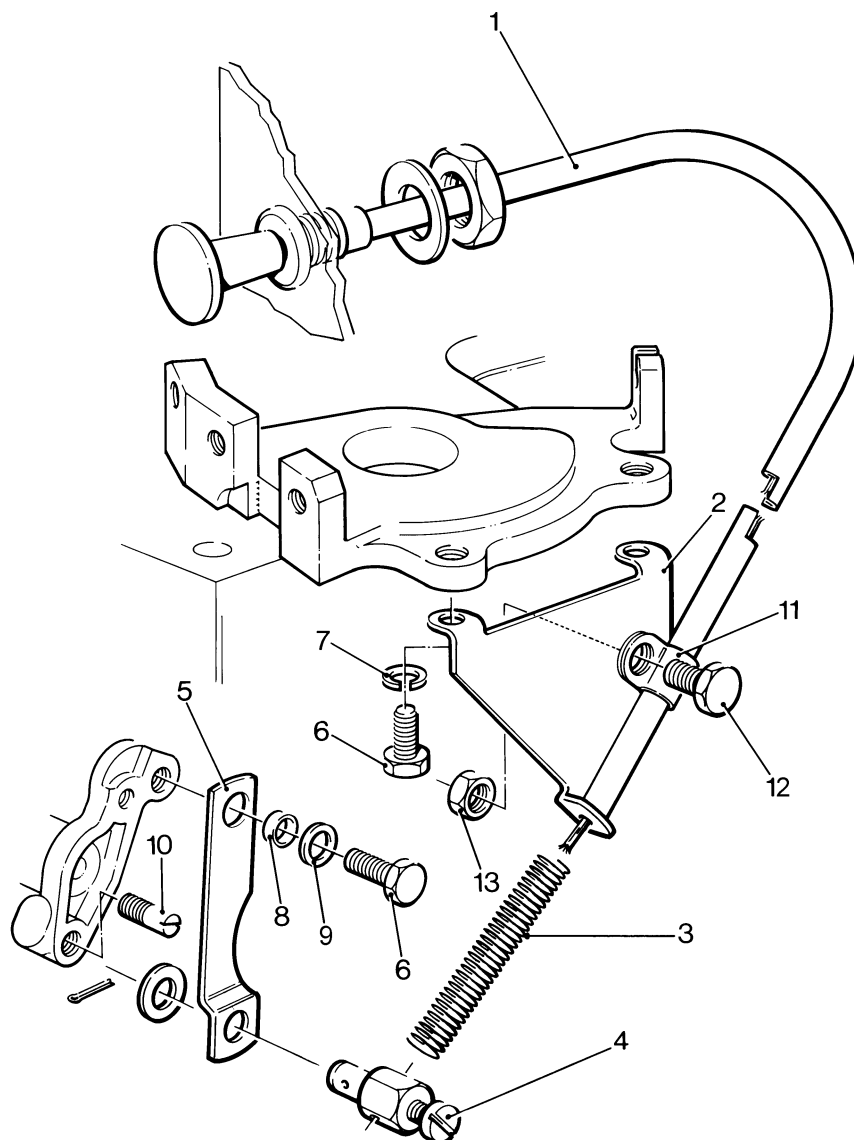
Part Number

LPW/S/T

2 3 4 Remarks

	Accessory Kit Code KD	750-10852	1	1	1	Comprises no's 1-13
	Accessory Kit Code KE	750-10861	1	1	1	Fittings only - no's 5, 6, 8, 9, 10
1	Cable	202-36050	1	1	1	
2	Bracket	757-18731	1	1	1	
3	Spring	382-07369	1	1	1	Supplied in early kits only
4	Swivel Connector	366-07071	1	1	1	
5	Lever	757-14581	1	1	1	
6	Setscrew - M5	272-00690	3	3	3	
7	Spring Washer	786303	2	2	2	
8	Spacer	757-19020	1	1	1	
9	Washer	272-00687	1	1	1	
10	Striker Pin	757-19030	1	1	1	
11	Cable Clip	382-08254	1	1	1	
12	Setscrew - M6 x 10mm	272-00676	1	1	1	
13	Nut - M6	272-00679	1	1	1	

Illustration LP73



Mechanical Two Speed Control

Illustration LP99

No. Description

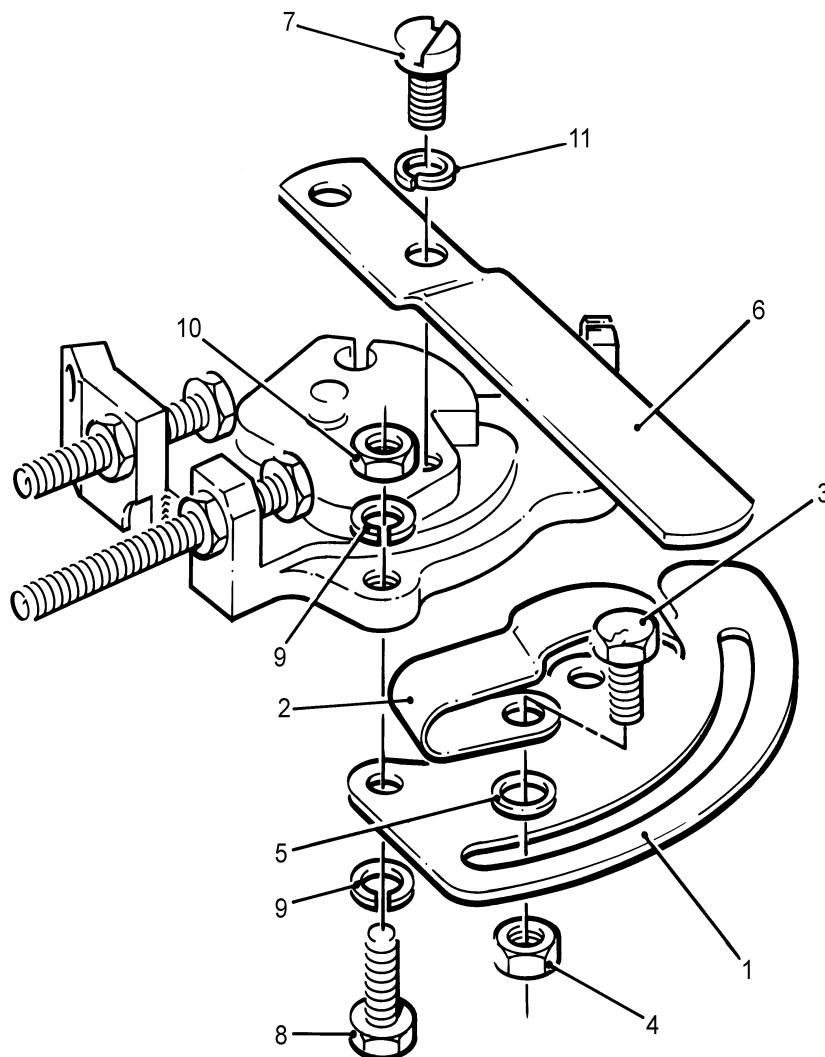
Part Number

LPW/S/T

2 3 4 Remarks

	Accessory Kit Code KF	750-11291	1	1	1	
1	Spring Carrier	757-15641	1	1	1	
2	Spring	201-53140	1	1	1	
3	Screw	272-00660	1	1	1	
4	Nut.....	272-00679	1	1	1	
5	Washer	272-00688	1	1	1	
6	Control Handle	757-15650	1	1	1	
7	Cheese Head Screw	757-13980	1	1	1	
8	Setscrew - M5 x 20mm	272-00708	2	2	2	
9	Spring Washer	786303	4	4	4	
10	Nut - M5	272-00678	2	2	2	
11	Spring Washer	786378	1	1	1	

Illustration LP99



Morse Type Controls and Cables - Marine

Illustration LPM17

No. Description

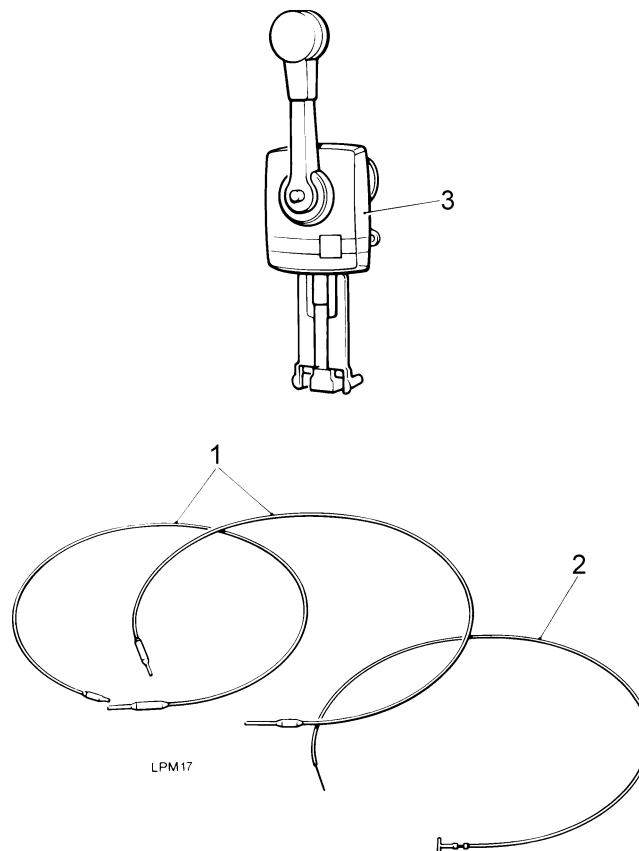
Part Number

LPW/S/T

2 3 4 Remarks

	Accessory Kit Code MKA	750-60070	1	1	1	2m Control Cable Kit
	Accessory Kit Code MKB	750-60040	1	1	1	3m Control Cable Kit
	Accessory Kit Code MKC	750-60050	1	1	1	4m Control Cable Kit
	Accessory Kit Code MKD	750-60060	1	1	1	5m Control Cable Kit
	Accessory Kit Code MKE	750-60030	1	1	1	3.5m Stop Control Cable Kit
	Accessory Kit Code MKF	750-60020	1	1	1	Control Head Kit - Motor Boat
	Accessory Kit Code MKG	750-60080	1	1	1	Control Head Kit - Sail Boat
1	Control Cable - 2m	362-03056/020	1	1	1	Code MKA
-	Control Cable - 3m	362-03056/030	1	1	1	Code MKB
-	Control Cable - 4m	362-03056/040	1	1	1	Code MKC
-	Control Cable - 5m	362-03056/050	1	1	1	Code MKD
2	Stop Control Cable - 3.5m	362-03057/035	1	1	1	Code MKE
-	Stop Control Label	291-38230	1	1	1	Code MKE
3	Control Head	854-00994	1	1	1	Code MKF & MKG
-	Cover - Sail Boat	854-00995	1	1	1	Code MKG
-	Cover - Motor Boat	854-00996	1	1	1	Code MKF

Illustration LPM17



Morse Type Fittings - LPW/S Marine (Early Type)

Illustration LPM18

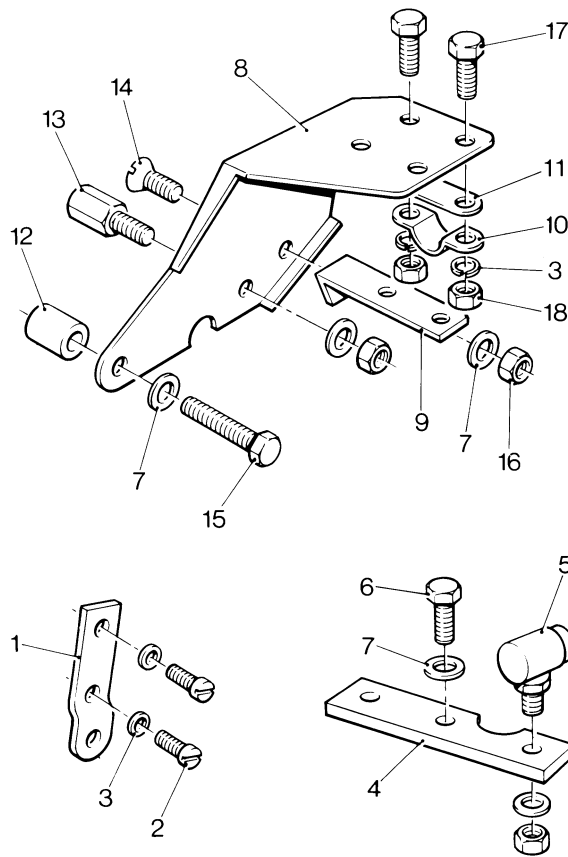
No. Description

LPW/LPWS

Part Number 2 3 4 Remarks

1	Lever	757-14580	1	1	1	
2	Screw	064-35576/031	2	2	2	
3	Washer	786553	4	4	4	
4	Speed Control Arm	854-00981	1	1	1	
5	Ball Joint	389-02900	1	1	1	
6	Setscrew - M6 x 12mm	272-00660	1	1	1	
7	Spring Washer	786078	3	3	3	
8	Bracket	854-01064	1	1	1	
9	Bracket	854-01063	1	1	1	
10	Cable Clamp	389-02901	1	1	1	
11	Cable Clamp Shim	757-60620	1	1	1	
12	Distance Piece	854-01061	1	1	1	
13	Shouldered Nut	757-18510	1	1	1	
14	Setscrew	064-35574/034	1	1	1	
15	Setscrew	064-35578/001	1	1	1	
16	Nut - M6	272-00351	1	1	1	
17	Screw - 1/4" UNF x 5/8"	270-00750	2	2	2	
18	Nut	270-00935	2	2	2	

Illustration LPM18



Morse Type Fittings - Marine (Later Type)

Illustration LPM34

No. Description

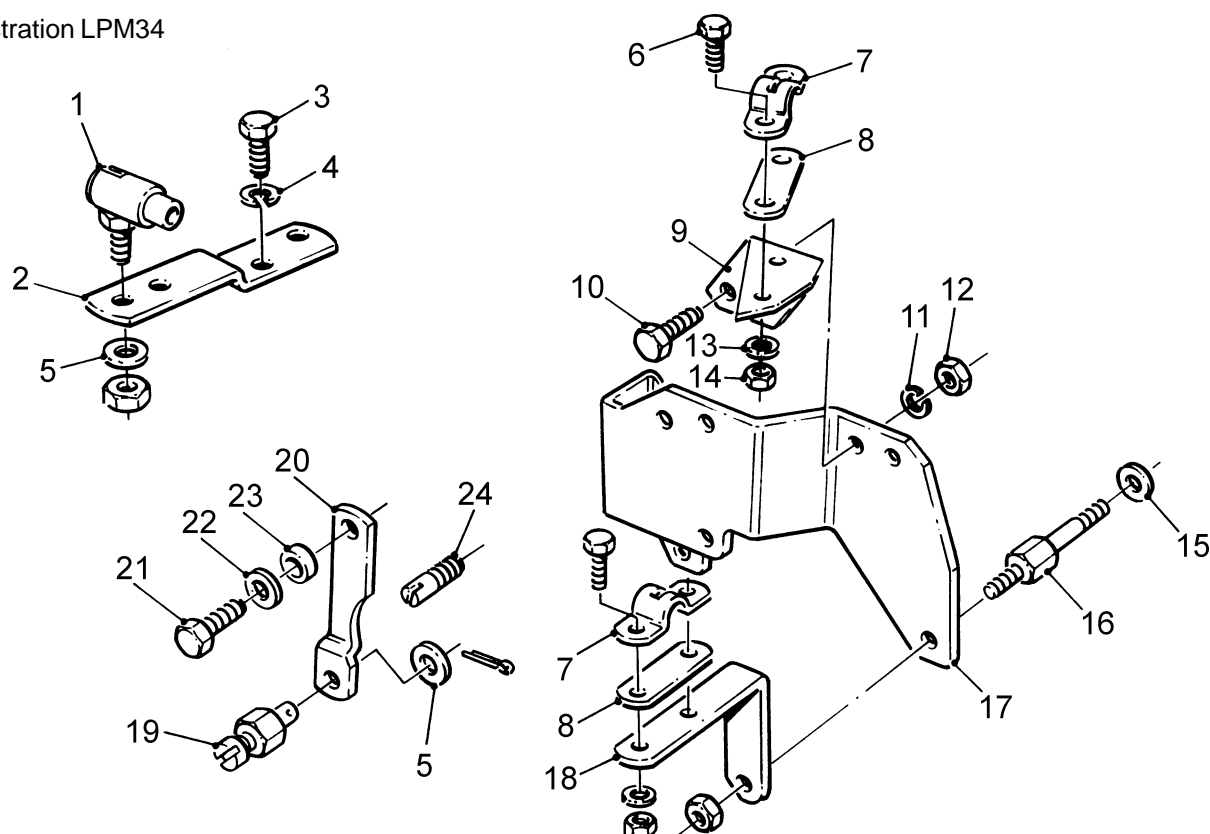
Part Number

LPW/S/T

2 3 4 Remarks

Accessory Kit Code MKH	750-62200	1	1	1	Engine Fittings for Control Cable & Fuel Control Solenoid. Comprises no's 1-14
Accessory Kit Code MKI	750-62380	1	1	1	Engine Fittings for Control Cable only. Comprises no's 1-24
1 Ball Joint	389-02900	1	1	1	
2 Connection Plate	757-13990	1	1	1	
3 Screw - M6	272-00676	1	1	1	
4 Spring Washer	786378	1	1	1	
5 Washer	785352	2	2	2	
6 Screw - M6	272-00661	2	2	2	
7 Cable Clamp	389-02901	2	2	2	MKH contains 1
8 Cable Clamp Shim	757-60620	2	2	2	MKH contains 1
9 Bracket	757-60150	1	1	1	
10 Screw - M5	272-00728	2	2	2	
11 Spring Washer	786303	4	4	4	MKH contains 2
12 Nut - M5	272-00678	4	4	4	MKH contains 2
13 Washer - M6	272-00688	1	1	1	MKH contains 2
14 Nut - M6	272-00679	4	4	4	MKH contains 2
15 Washer	785351	2	2	2	
16 Stud	757-18240	2	2	2	
17 Bracket	757-22950	1	1	1	
18 Cable Clamp Bracket	757-60780	1	1	1	
19 Cable Swivel Connector	366-07071	1	1	1	
20 Lever	757-14581	1	1	1	
21 Screw - M5	272-00690	1	1	1	
22 Washer - M5	272-00687	1	1	1	
23 Spacer	757-19020	1	1	1	
24 Strike Pin	757-19030	1	1	1	

Illustration LPM34



High Level Oil Filler - LPW/S

Illustration LP74

No. Description

LPW/LPWS

Part Number

2

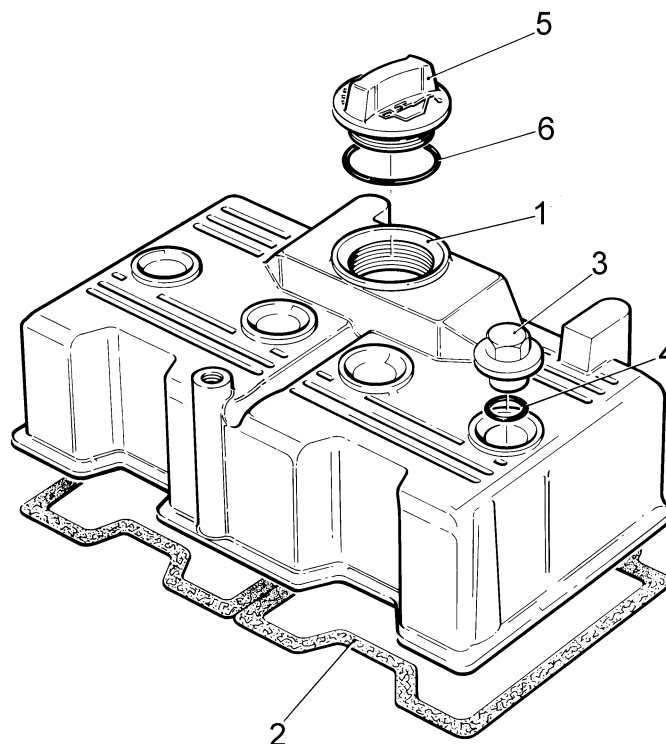
3

4

Remarks

	Accessory Kit Code LA	750-10830	1	1	1	
1	Head Cover with Oil Filler	757-14211	1	1	1	
2	Joint.....	751-11073	2	3	4	Replaces 751-11072
3	Nut.....	751-12710	4	6	8	
4	'O' Ring	201-81200	4	6	8	
5	Oil Filler Cap.....	751-12670	1	1	1	
6	'O' Ring	751-12680	1	1	1	

Illustration LP74



Extended Oil Dipstick - LPW/S

Illustration LP80

No. Description

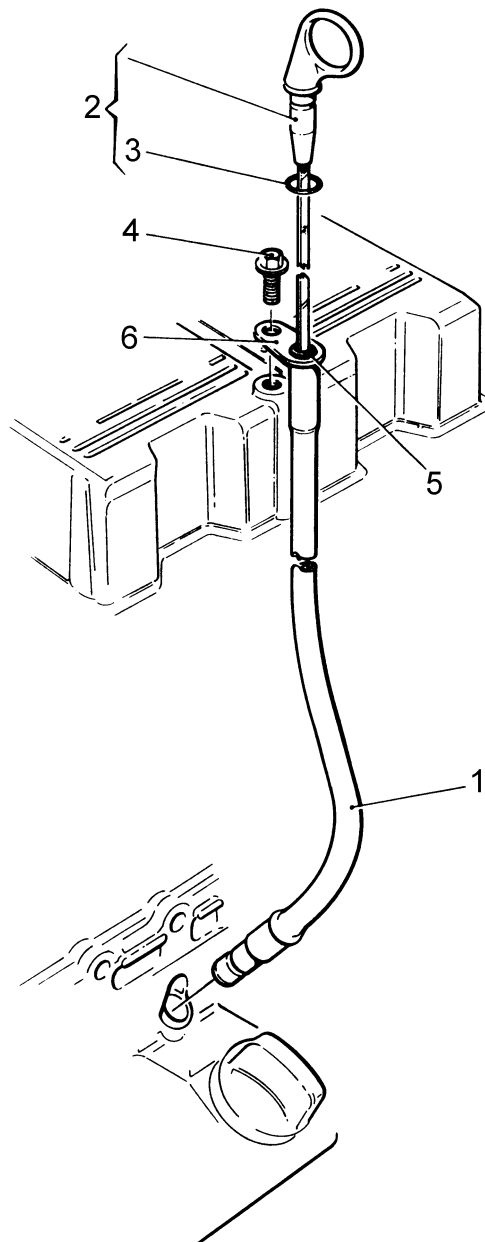
Part Number

LPW/LPWS

2 3 4 Remarks

	Accessory Kit Code LB - LPW/S2	750-10474	1	-	-	Replaces 750-10473
	Accessory Kit Code LB - LPW/S3,4	750-10312	-	1	1	Replaces 750-10311
-	Dipstick Tube - LPW/S2	757-23210	1	-	-	Replaces 757-12954
1	Dipstick Tube - LPW/S3,4	757-23230	-	1	1	Replaces 757-13531
2	Dipstick Assembly	757-23281	1	1	1	Replaces 757-12994 & 757-17160
3	'O' Ring	201-13120	1	1	1	
4	Taptight Screw	757-15380	1	1	1	
5	Grommet	757-24010	1	1	1	Not included in early kits
6	Strap	757-24020	1	1	1	Not included in early kits
-	Adaptor 'O' Ring	266003	-	1	1	Not part of kit. Early engines only

Illustration LP80



Extended Oil Dipstick - LPW/S Marine

Illustration LPM1

No. Description

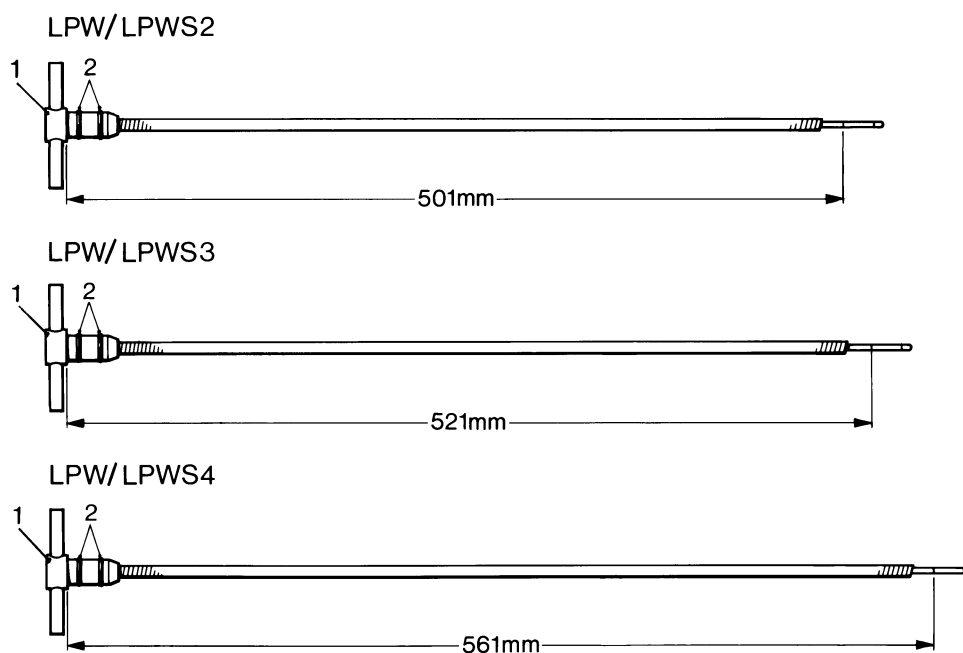
LPW/LPWS
Part Number 2 3 4 Remarks

	Former Accessory Kit Code MLB - LPW/S2	750-61960	1	-	-	
	Former Accessory Kit Code MLB - LPW/S3	750-61970	-	1	-	
	Former Accessory Kit Code MLB - LPW/S4	750-61980	-	-	1	
1	Dipstick - LPW/LPWS2	803-02283	1	-	-	Stamped 2 on handle
-	Dipstick - LPW/LPWS3	803-02284	-	1	-	Stamped 3 on handle
-	Dipstick - LPW/LPWS4	803-02285	-	-	1	Stamped 4 on handle
-	Dipstick - LPW3/4	757-23283	-	1	1	Build 48
2	'O' Ring	803-02282	2	2	2	
-	'O' Ring	201-13120	-	1	1	Build 48
-	Dipstick Tube - LPW/LPWS2	803-02275	1	-	-	
-	Dipstick Tube - LPW/LPWS3	803-02276	-	1	-	
-	Dipstick Tube - LPW/LPWS4	803-02277	-	-	1	
-	Dipstick Tube - LPW3/4	757-23230	-	1	1	Build 48
-	Taptight Screw	757-15380	1	1	1	

Note:

This dipstick is standard on LPW3/4 Build 48.

Illustration LPM1

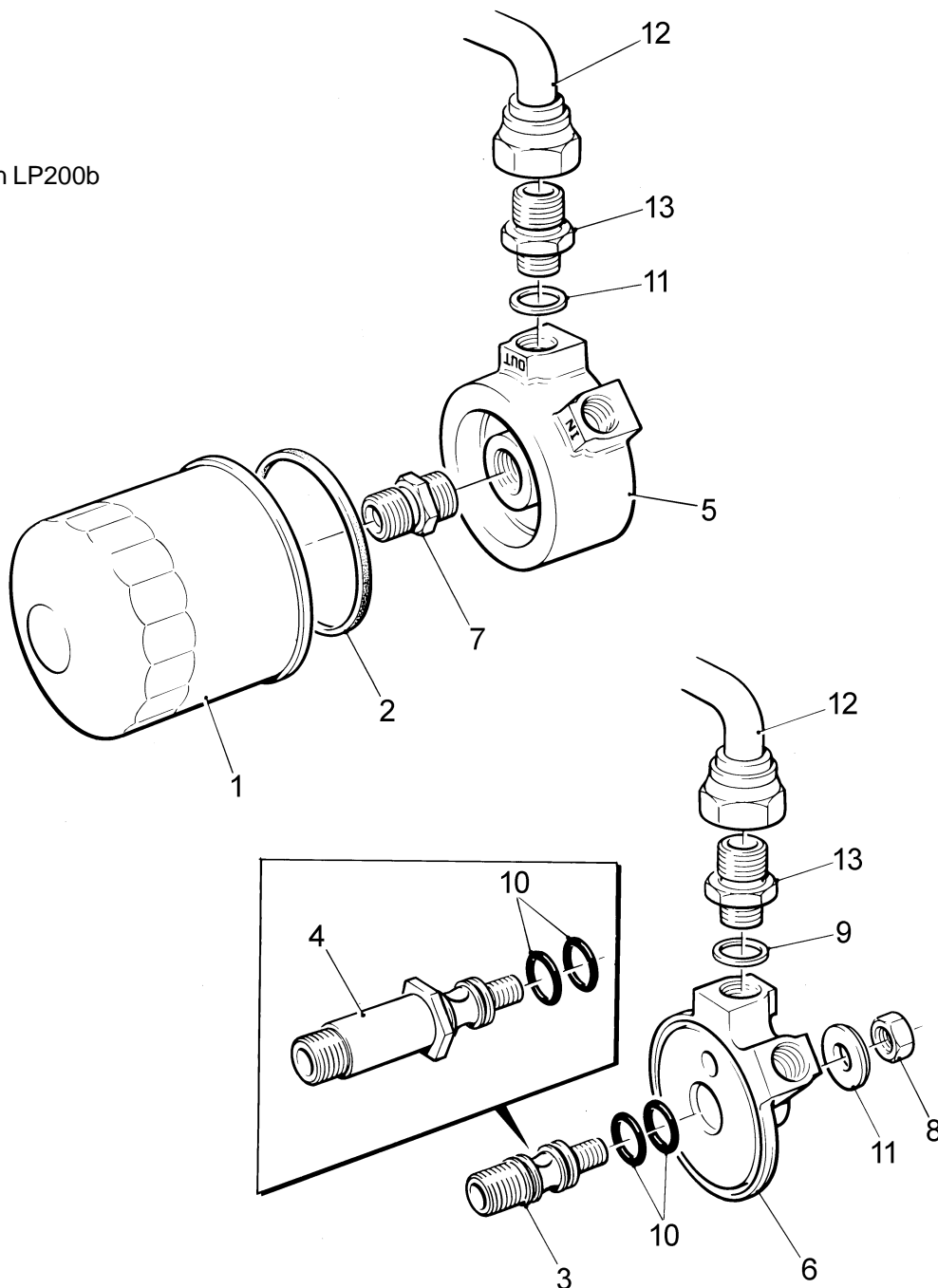


Remote Oil Filter

Illustration LP200b

Description	Part Number	LPW/S/T			Remarks
		2	3	4	
- Accessory Kit Code LE - LPWT4	750-63552	-	-	1	
- Accessory Kit Code LE - LPW/S	750-63553	1	1	1	Replaces 750-63554 on LPW/S3,4
1 Oil Filter Element	328-21600	1	1	1	Replaces 751-10620 on LPW/S3,4
2 Filter Gasket	751-14000	1	1	1	
3 Oil Cooler Adaptor - LPW/S	757-23961	1	1	1	Replaces 751-18530 on LPW/S3,4
4 Oil Cooler Adaptor - LPWT4	751-18530	-	-	1	
5 Adaptor	367-34471	1	1	1	
6 Adaptor	757-23971	1	1	1	
7 Union	201-55360	1	1	1	
8 Nut	272-00681	1	1	1	
9 Copper Washer	291-30630	4	4	4	
10 'O' Ring Seal	351-10341	2	2	2	
11 Washer	366-06976	1	1	1	
12 Hose	757-61912	1	1	2	
13 Union	757-62390	1	1	4	

Illustration LP200b



Engine Oil Cooler Kit - LPW/S

Not Illustrated Description	Part Number	LPW/LPWS			Remarks
		2	3	4	
Accessory Kit Code LG - LPW/S2	750-43640	1	-	-	Replaces 750-63790
Accessory Kit Code LG - LPW/S3,4	750-43650	-	1	1	Replaces 750-63790
Copper Washer - 3/4" Diameter	027-04661	1	1	1	
Hose Clip	027-04687	4	4	4	
Cap	027-05757	-	1	1	
Copper Washer - 7/16" Diameter	201-11890	1	1	1	
Screw	272-00625	1	1	1	
Sealing Ring	394-13730	2	2	2	
Oil Filter	751-12870	1	-	-	
Oil Filter	751-10620	-	1	1	
Filter Gasket	751-14000	1	1	1	
Bolt	751-15470	1	1	1	
Oil Filter Bracket	751-15490	1	1	1	
Oil Filter Adaptor	751-15492	1	-	-	
Connector	754-43081	2	2	2	
Oil Cooler	754-43310	1	1	1	
Adaptor	754-43320	1	1	1	
Hose	754-43482	2	2	2	
Gasket	754-44580	1	1	1	
Shouldered Nut	757-18510	-	1	1	
Water Pipe Adaptor	757-18641	1	1	1	
Hose	757-27690	2	2	2	

Sump Drain Tap

Not Illustrated Description	Part Number	LPW/LPWS			Remarks
		2	3	4	
Accessory Kit Code LH	750-15150	1	1	1	
Copper Washer	013-22350	1	1	1	
Tapered Plug	027-00141	1	1	1	
Adaptor	757-26990	1	1	1	
Ball Valve	757-60470	1	1	1	

Oil Drain Kit

Not Illustrated Description	Part Number	LPW/LPWS			Remarks
		2	3	4	
Accessory Kit Code LJ	750-15770	1	1	1	
Socket	027-01438	1	1	1	
Pipe	027-04401	1	1	1	
Drain Tap	757-21800	1	1	1	

Crankcase Mounted Dipstick - LPW/S Marine

Not Illustrated Description	Part Number	LPW/LPWS			Remarks
		2	3	4	
Former Accessory Kit Code MLH - LPW/S2	750-63821	1	-	-	
Accessory Kit Code MLH - LPW/S3,4	750-63822	-	1	1	
Dipstick Assembly - LPW/S2	752-15120	1	-	-	
Dipstick Assembly - LPW/S3,4	754-15120	-	1	1	
'O' Ring	201-13120	1	1	1	

Oil Cooler - LPWT4

Illustration LP173

No. Description

Part Number

LPWT

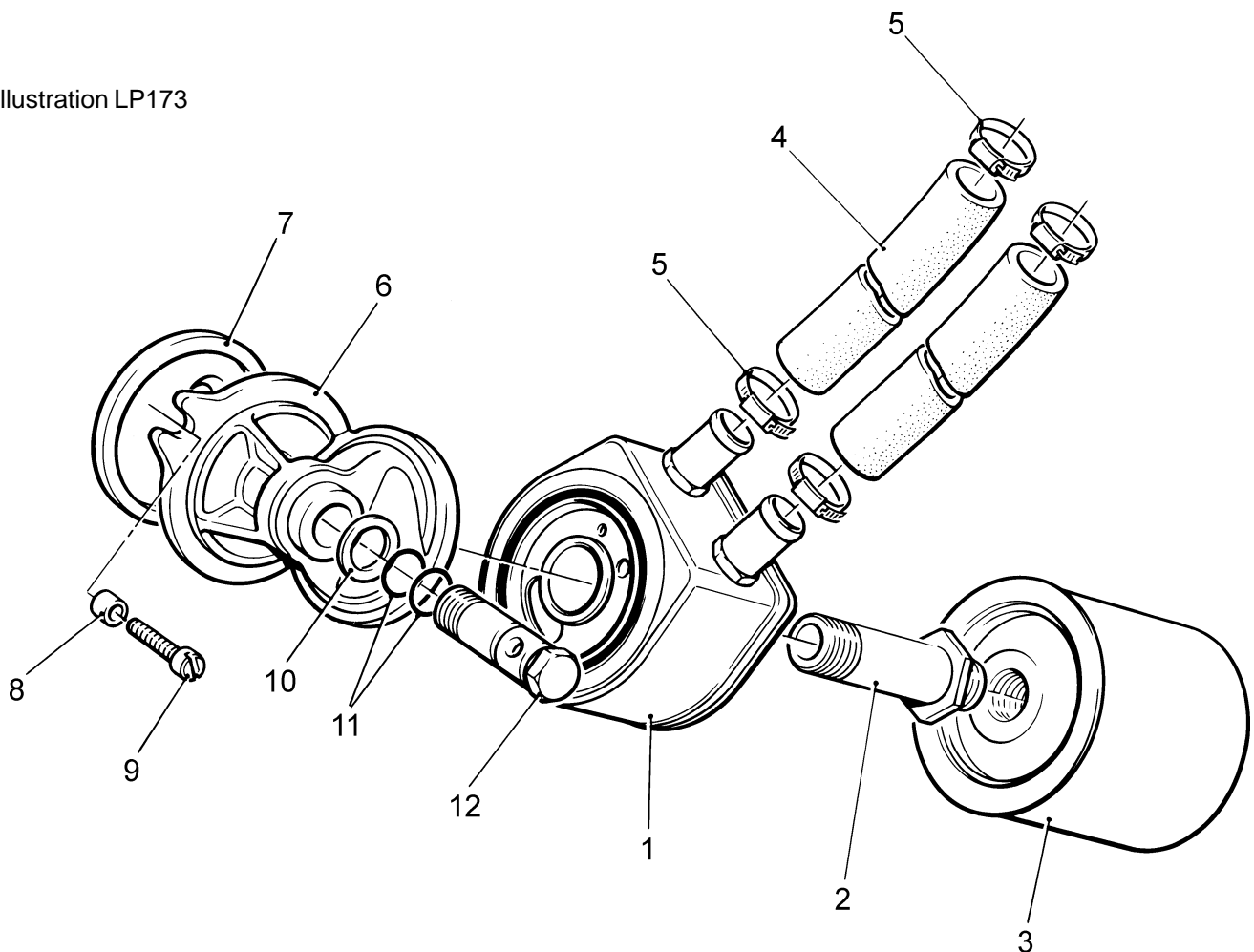
2 3 4 Remarks

	Accessory Kit Code LG	750-43550	-	-	1	See Note
1	Oil Cooler	754-43310	-	-	1	
-	Oil Cooler Gasket	754-44580	-	-	1	
2	Adaptor	754-43320	-	-	1	
3	Oil Filter	328-21600	-	-	1	Not Included in kit
4	Hose	754-44590	-	-	2	
5	Hose Clip	027-04687	-	-	4	
6	Oil Filter Bracket	751-15490	-	-	1	
7	Sealing Ring	751-14000	-	-	1	
8	Spacer	366-08026	-	-	1	
9	Capscrew	272-00388	-	-	1	
10	Copper Washer	027-04661	-	-	1	
11	'O' Ring	394-13730	-	-	2	
12	Bolt	751-15470	-	-	1	
-	Connector	754-43081	-	-	2	

Note:

This accessory kit is fitted as standard on on LPWT4 engines except builds 07 and 81.

Illustration LP173



Oil Distribution Block

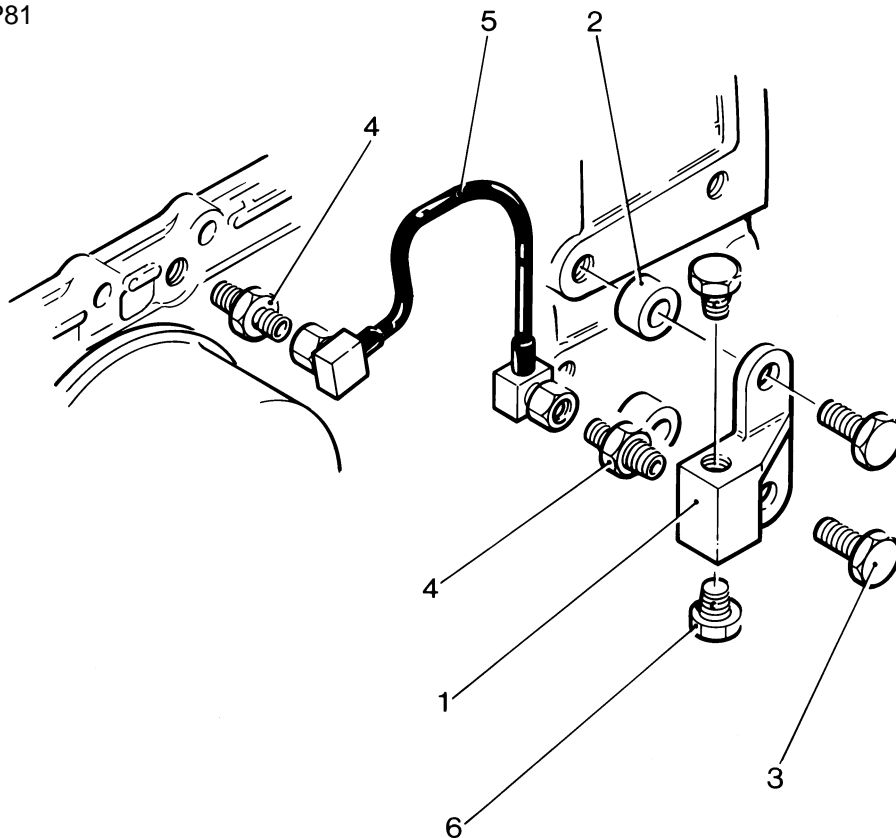
Illustration LP81

No.	Description	Part Number	LPW/S/T			Remarks
			2	3	4	
	Accessory Kit Code LC	750-10490	1	1	1	
	Accessory Kit Code LC - LPWT4	750-43750	-	-	1	
1	Oil Distribution Block	757-12100	1	1	1	
2	Distance Piece	757-12170	2	2	2	
3	Setscrew - M10 x 30mm	272-00697	2	2	2	
4	Union	366-07038	2	2	2	
5	Oil Pipe Assembly	757-12130	1	1	1	
-	Oil Pipe Assembly - LPWT4	757-27840	-	-	1	
6	Plug	366-07041	2	2	2	
-	Distance Piece	757-17880	1	1	1	See Note
-	Bolt - M10 x 45mm	272-00696	2	2	2	See Note
-	Bolt - M10 x 40mm	272-00673	-	-	2	See Note

Note:

Used when fitting to an engine with an engine bearer.

Illustration LP81



Sump Pump - Marine

Flywheel End Mounted (Early Type)

Illustration LPM32

No.	Description	Part Number	LPW/LPWS			Remarks
			2	3	4	
	Former Accessory Kit Code MSE	750-60490	1	1	1	Replaced by Code MLD (below)
1	Bracket	854-00341	1	1	1	
2	Sump Pump	757-60040	1	1	1	
3	Copper Washer	013-22350	1	1	1	
4	Union	007-00441	1	1	1	
5	Seal	031-66828	2	2	2	
6	Union	356-31610	1	1	1	
7	Union	362-03364	1	1	1	
8	Ball Valve	808-40008	1	1	1	
9	Flexible Pipe	854-00647	1	1	1	

Flywheel End Mounted (Later Type)

Illustration LPM54

No.	Description	Part Number	LPW/S/T			Remarks
			2	3	4	
	Accessory Kit Code MLD - LPW/S2	750-62050	1	-	-	Replaces Code MSE (above)
	Accessory Kit Code MLD - LPW/S3,4 & LPWT4	750-62070	-	1	1	Replaces Code MSE (above)
1	Sump Pump Assembly	757-60041	1	1	1	
2	Bracket		1	1	1	
3	Ball Valve	757-60470	1	1	1	
4	Seal	757-61940	1	1	1	
5	Union	757-61930	1	1	1	
6	Flexible Pipe	757-60490	1	-	-	
-	Flexible Pipe	757-60510	-	1	1	
7	Union	362-03364	1	1	1	
8	Screw - M6	272-00661	2	2	2	
9	Spring Washer	786378	2	2	2	
10	Nut - M6	272-00679	2	2	2	

Gear End Mounted

Illustration LPM55

No.	Description	Part Number	LPW/S/T			Remarks
			2	3	4	
	Accessory Kit Code MLF - LPW/S2,3	750-62742	1	1	-	Replaces 750-62740
	Accessory Kit Code MLF - LPW/S4 & LPWT4	750-62751	-	-	1	Replaces 750-62750
1	Sump Pump Assembly	757-60041	1	1	1	
2	Bracket		1	1	1	
3	Ball Valve	757-60470	1	1	1	
4	Seal	757-61940	1	1	1	
5	Union	757-61930	1	1	1	
-	Flexible Pipe Assembly - LPW/S2,3	750-63870	1	1	-	Replaces 757-61490
-	Flexible Pipe Assembly - LPW/S/T4	750-63871	-	-	1	Replaces 757-61500
6	Sump Drain Pipe - LPW/S2,3		1	1	-	
-	Sump Drain Pipe - LPW/S/T4		-	-	1	
7	Union	757-61970	1	1	1	Replaces 362-03364
8	Adaptor	757-61960	1	1	1	
9	Copper Washer	291-30630	2	2	2	Replaces 757-61480
10	Bolt	272-00776	2	2	2	
11	Screw - M6	272-00661	2	2	2	
12	Nut - M6	272-00679	2	2	2	
13	Spring Washer	786378	2	2	2	
14	Mounting Bracket	757-60860	1	1	1	

Illustration LPM32

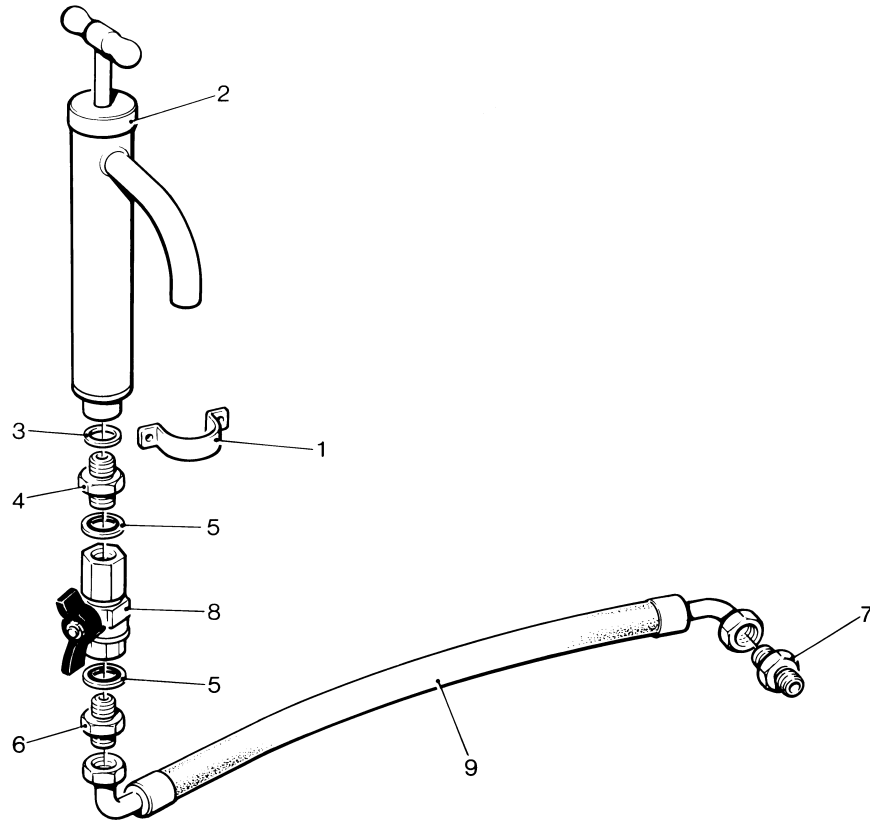


Illustration LPM54

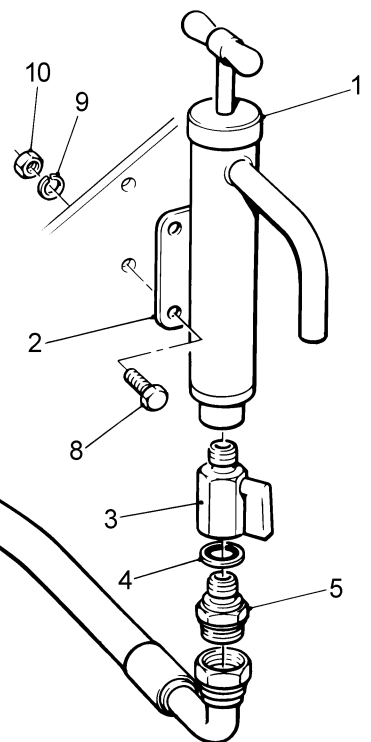
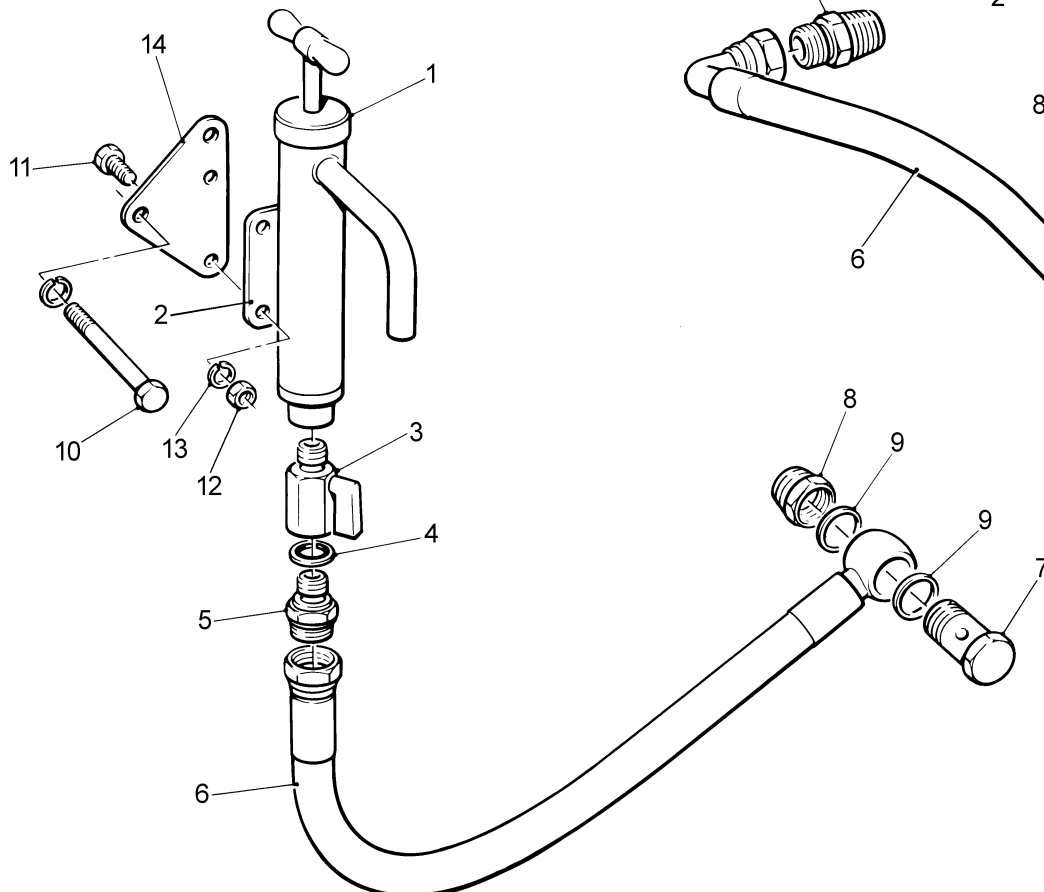


Illustration LPM55



Exhaust Silencer - LPW/S2, 3

Illustration LP37

No. Description

LPW/LPWS

Part Number 2 3 4 Remarks

	Accessory Kit Code NA - LPW/S2	750-10253	1	-	-	Acoustic Silencer Kit. No's 1,2,3,5
	Accessory Kit Code NA - LPW/S3	750-10873	-	1	-	Acoustic Silencer Kit. No's 1-6
	Accessory Kit Code NC	750-11601	1	1	-	Remote Silencer Kit
-	Acoustic Silencer - LPW/S2	757-12646	1	-	-	Replaces 757-12645 see Note
1	Acoustic Silencer - LPW/S3	757-12654	-	1	-	Replaces 757-12653 see Note
-	Remote Silencer	027-06320	1	1	-	Code NC. Replaces 757-14590.
2	Joint	366-01287	1	1	-	Replaces 757-15750
3	Capscrew	272-00353	2	2	-	Replaces 272-00343
4	Stud - M8	757-15310	-	1	-	
5	Washer	785632	-	1	-	
-	Washer	272-00668	2	-	-	LPW/S2 Code NA
6	Nut - M8	272-00380	-	1	-	
-	Heat Shield - LPW/S2	757-12320	1	-	-	See Code GD
7	Heat Shield - LPW/S3	757-12340	-	1	-	See Code GD

Note:

Engine mounted exhaust silencers must not be fitted on Builds 10 and 83.

Top Mounted Exhaust Silencer

Not Illustrated

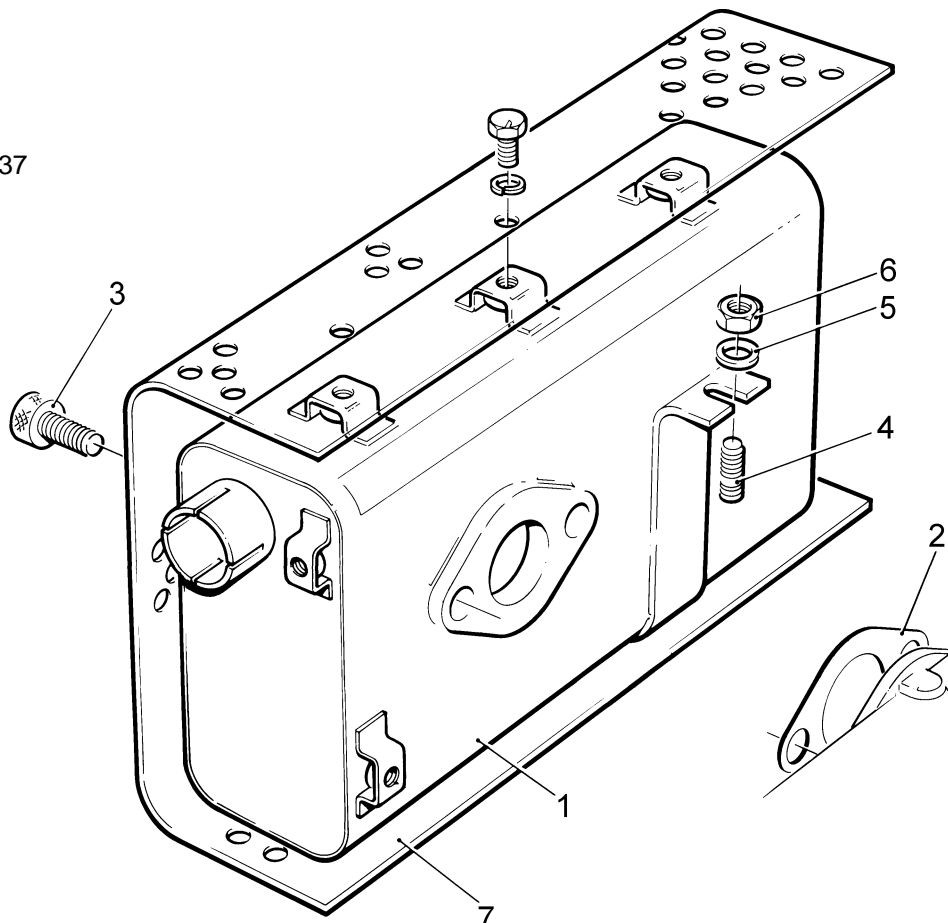
Description

LPW/LPWS

Part Number 2 3 4 Remarks

	Accessory Kit Code NN - LPW/S2,3	750-14550	1	1	-
	Silencer	757-24220	1	1	-
	Exhaust Flange	757-15410	1	1	-
	Manifold Flange Joint	366-01287	2	2	-
	Screw	272-00274	2	2	-

Illustration LP37



Heat Baffle

Not Illustrated Description	Part Number	LPW/LPWS			Remarks
		2	3	4	
Accessory Kit Code NL - LPW/S2,3	750-11910	1	1	-	
Heat Baffle	757-16670	1	1	-	
Setscrew - M6 x 10mm	272-00676	2	2	-	
Washer	272-00364	2	2	-	

Miscellaneous Exhaust Fitting Kits

Miscellaneous Exhaust Fitting Kits

Not Illustrated Description	Part Number	LPW/LPWS			Remarks
		2	3	4	
Accessory Kit Code ND	750-15690	1	1	1	Exhaust Flange & Joint Kit
Accessory Kit Code NS	750-43690	1	1	1	Outlet Flange Kit
Accessory Kit Code NP	750-15740	1	1	1	Exhaust Fittings Kit
Silencer Flange Joint	203067	2	2	1	Code ND
Exhaust Manifold Joint	751-10103	2	2	1	Code ND
Protective Cap	027-07912	2	2	2	Code NS
Manifold Flange Joint	366-01287	1	1	1	Code NS
Spring Washer	272-00072	2	2	2	Code NP
Stud - M10	272-00147	2	2	2	Code NP
Manifold Flange Joint	366-01287	1	1	1	Code NP
Nut - M10	396-15770	2	2	2	Code NP

Exhaust Silencer - LPW/S4

Illustration LP119

No. Description

LPW/LPWS

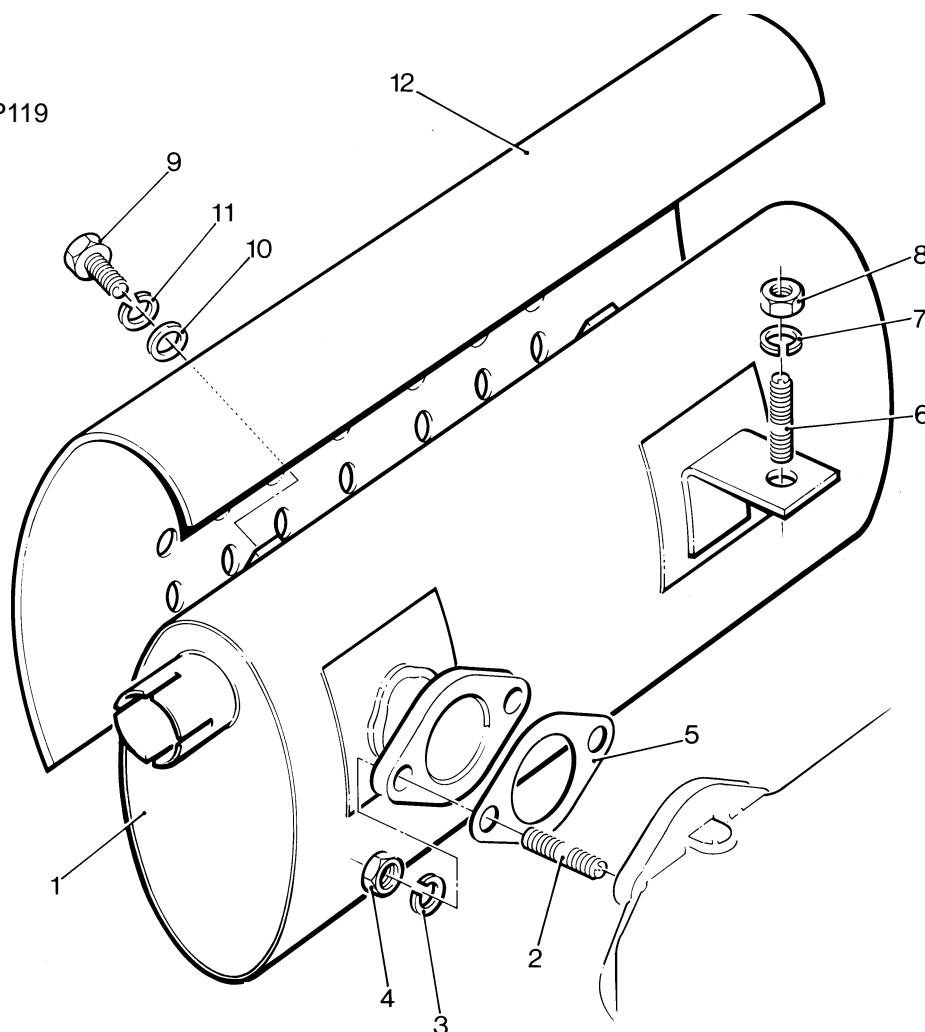
Part Number 2 3 4 Remarks

	Accessory Kit Code NA	750-12170	-	-	1	Acoustic Silencer Kit. No's 1-8.
	Accessory Kit Code NC	750-11601	-	-	1	Remote Silencer Kit.
1	Acoustic Silencer	754-14592	-	-	1	Replaces 754-14590. See Note
-	Remote Silencer	027-06320	-	-	1	Code NC. Replaces 757-14590
2	Stud	709643	-	-	2	Replaces 272-00147
3	Spring Washer	272-00072	-	-	2	
4	Nut - M10	396-15770	-	-	2	
5	Manifold Flange Joint	366-01287	-	-	1	Replaces 757-15750
6	Stud - M8	757-15310	-	-	1	
7	Washer	785632	-	-	1	
8	Nut - M8	272-00380	-	-	1	
9	Setscrew - M6 x 12mm	272-00660	-	-	4	See Code GD
10	Washer	272-00688	-	-	4	See Code GD
11	Spring Washer	272-00070	-	-	4	See Code GD
12	Heat Shield	757-18530	-	-	1	See Code GD

Note:

Engine mounted exhaust silencers must not be fitted on Builds 10 and 83.

Illustration LP119



Exhaust Silencer - LPW/S4

Illustration LP136

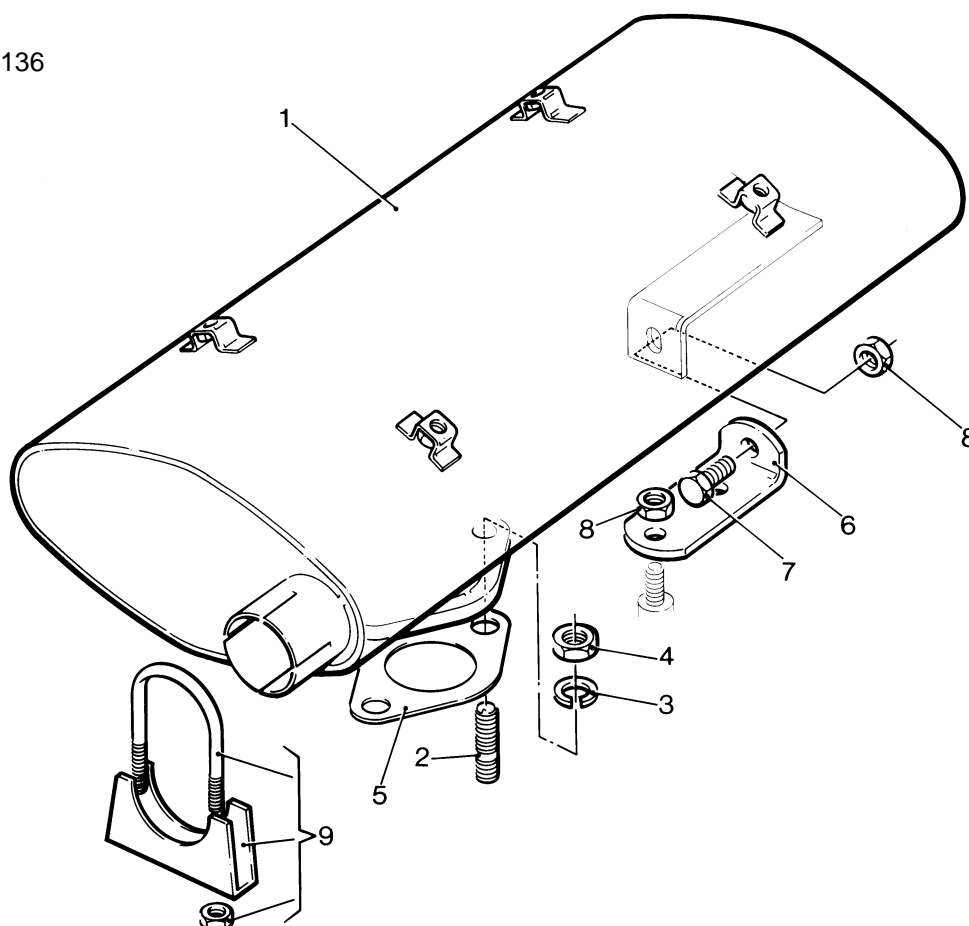
No. Description

LPW/LPWS

Part Number 2 3 4 Remarks

	Accessory Code NO	750-14670	-	-	1	
	Accessory Code NQ	750-15790	-	-	1	
1	Silencer	754-14593	-	-	1	
2	Stud - M10 x 35mm	709643	-	-	2	
3	Spring Washer	272-00072	-	-	2	
4	Nut	396-15770	-	-	2	
5	Gasket	366-01287	-	-	1	
6	Steady Bracket	751-15790	-	-	1	
-	Steady Bracket	751-16280	-	-	1	Code NO
7	Setscrew - M6 x 20mm	272-00662	-	-	1	
-	Washer	272-00688	-	-	1	
8	Nut - M6	272-00679	-	-	3	
-	Stud	272-00789	-	-	2	Code NO
9	Clamp	737-13060	-	-	1	

Illustration LP136



Exhaust Silencer - LPWT4

Illustration LP194

No. Description

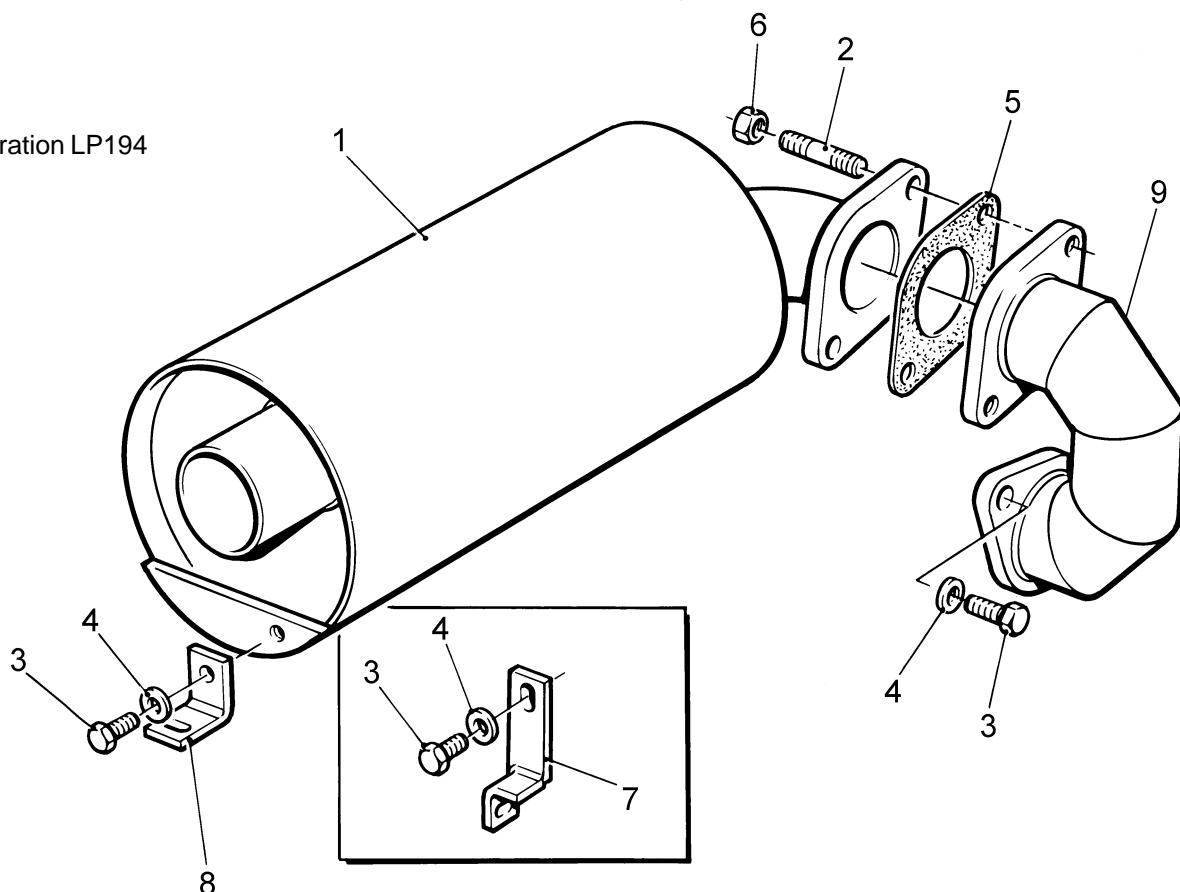
Part Number

LPWT

2 3 4 Remarks

	Accessory Kit Code NA	750-42490	-	-	1	Side Mounted Silencer. No's 1-7
	Accessory Kit Code NB	750-42450	-	-	1	Top Mounted Silencer
	Accessory Kit Code NC	750-11601	-	-	1	Remote Silencer
1	Silencer	757-25250	-	-	1	Code NA, NB
-	Silencer	027-06320	-	-	1	Code NC
2	Stud - M10 x 35mm	272-00147	-	-	2	Code NA, NB
3	Screw - M8 x 16mm	272-00674	-	-	2	Code NA, NB
4	Washer - M8	272-00715	-	-	2	Code NA, NB
5	Manifold Flange Joint	366-01287	-	-	1	Code NA, NB (2 in NB)
6	Nut - M10	396-15770	-	-	2	Code NA, NB
7	Support Bracket	757-25460	-	-	1	Code NA
8	Steady Bracket	757-25240	-	-	1	Code NB
9	Turbo Manifold Bend	757-25231	-	-	1	Code NB

Illustration LP194



Exhaust Silencer - Marine

Dry Type Silencer

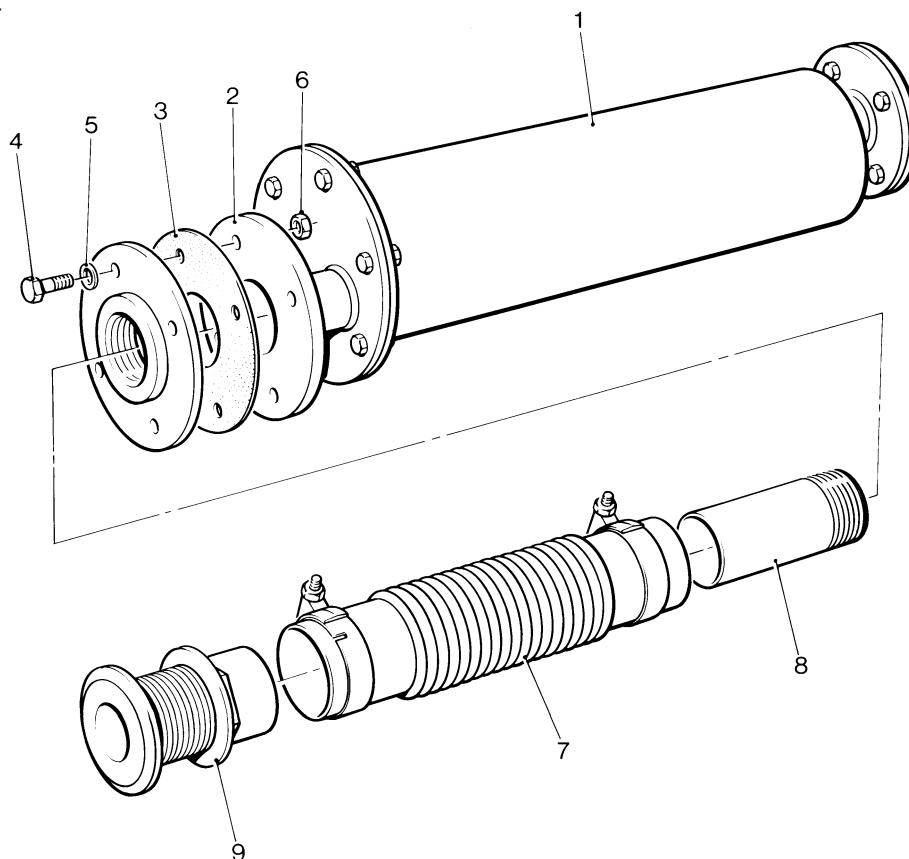
Illustration LPM24

No. Description

Part Number LPW/S/T
2 3 4 Remarks

Accessory Kit Code MNB	750-60180	1	1	1	Flexible Exhaust Bellows Kit. No's 7, 8
Accessory Kit Code MNC	750-60280	1	1	1	Dry Exhaust Silencer Kit. Comprises no's 1-6
1 Silencer	854-00066	1	1	1	
2 Flange	366-01265	2	2	2	
3 Joint.....	366-01266	2	2	2	
4 Bolt	270-00229	8	8	8	
5 Washer	027-00394	8	8	8	Replaces 064-02582/006
6 Nut.....	270-00006	8	8	8	
7 Flexible Exhaust Bellows	803-01098	1	1	1	
8 Pipe	027-00802	1	1	1	
9 Skin Fitting.....	360-03878	1	1	1	See Code MND

Illustration LPM24



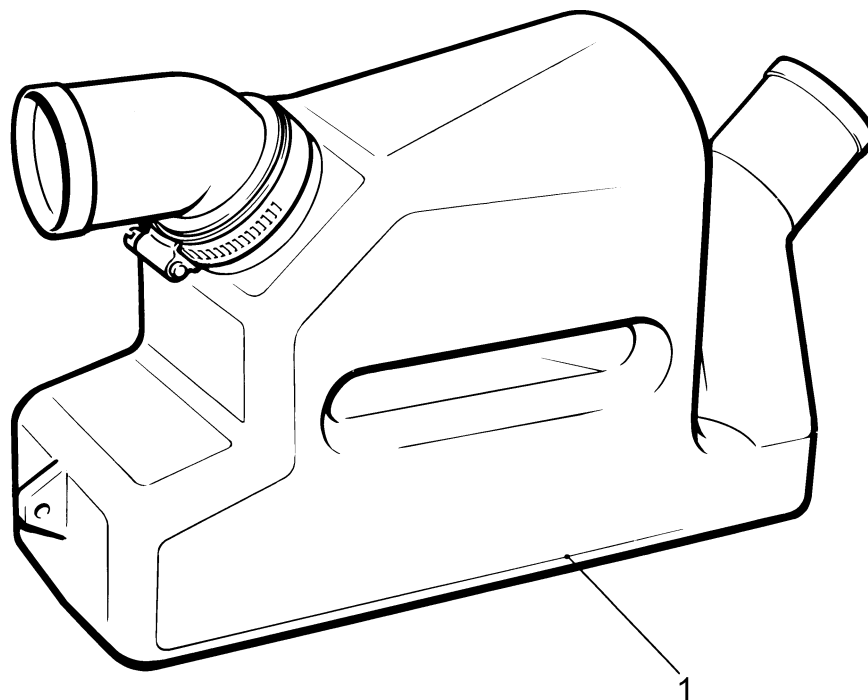
Exhaust Silencer - Marine

Wet Type Silencer

Illustration LPM25

No.	Description	Part Number	LPW/S/T			Remarks
			2	3	4	
	Accessory Kit Code MNH - LPW/S2,3	750-60220	1	1	-	
	Accessory Kit Code MNH - LPW/S4, LPWT4	750-61150	-	-	1	
1	Water Lock Silencer - LPW/S2,3	360-03884	1	1	-	
-	Water Lock Silencer - LPW/S4, LPWT4	360-03885	-	-	1	
-	Hose Clip - LPW/S2,3	027-04692	2	2	-	
-	Hose Clip - LPW/S4	027-04693	-	-	2	

Illustration LPM25



Exhaust Fittings

Exhaust Flanges

Illustrations LP43 and LP45

No.	Description	Part Number	LPW/S/T			Remarks
			2	3	4	
	Accessory Kit Code NE	750-10920	1	1	1	1 1/4" Exhaust Flange Kit. No's 1, 3, 4
	Accessory Kit Code NF	750-10930	1	1	1	1 1/2" Exhaust Flange Kit. No's 1, 3, 4
	Accessory Kit Code NG	750-11100	1	1	1	Steel Exhaust Flange. No's 2, 3, 4
	Accessory Kit Code NK	750-10940	1	1	1	Exhaust Fittings Kit. No's 3 & 4
	Accessory Kit Code NR	750-15850	1	1	1	Exhaust Flange Joint
1	Exhaust Flange - 1 1/4" BSP	202-81660	1	1	1	Code NE
-	Exhaust Flange - 1 1/2" BSP	010-21801	1	1	1	Code NF
2	Exhaust Flange	757-15410	1	1	1	Not tapped
3	Joint	366-01287	1	1	1	Replaces 757-15750
4	Setscrew	272-00697	2	2	2	
-	Setscrew	272-00706	2	2	2	Code NG
-	Manifold Flange Joint	366-01287	1	1	1	Code NR

Exhaust Adaptor

Illustration LP84

No.	Description	Part Number	LPW/LPWS			Remarks
			2	3	4	
	Accessory Kit Code NJ - LPW/S2,3,4	750-10950	1	1	1	
1	Joint	366-01287	1	1	1	Replaces 757-15750
2	Manifold Adaptor - 90°	757-15321	1	1	1	
3	Setscrew	272-00706	2	2	2	

Illustration LP45

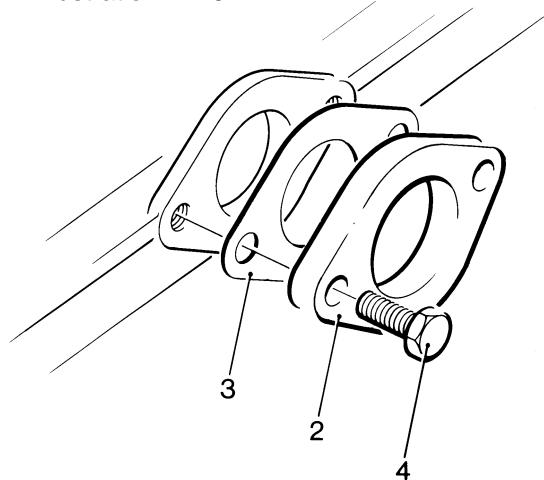


Illustration LP43

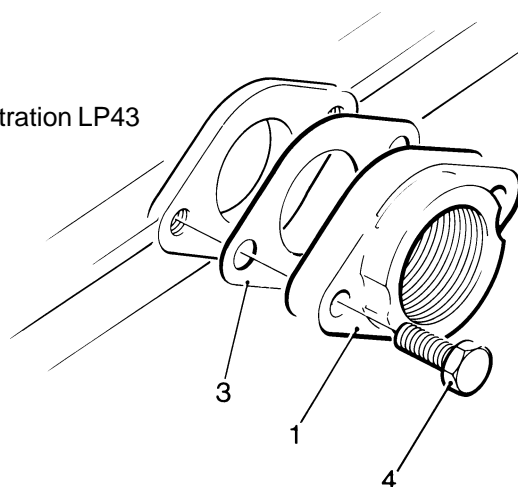
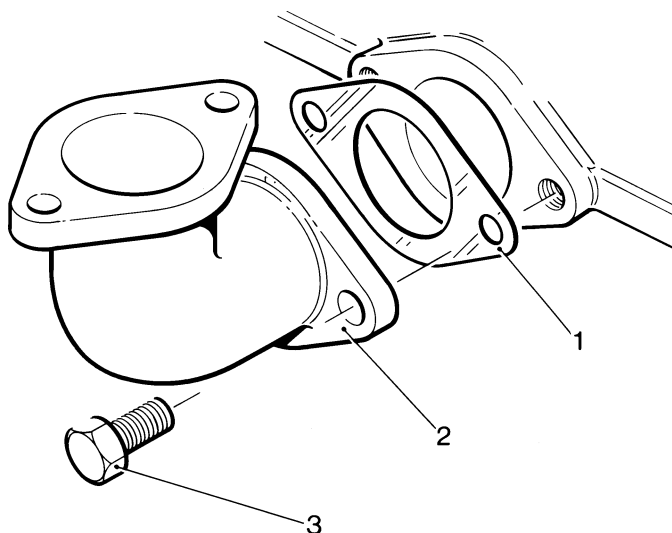


Illustration LP84



Exhaust Bends - LPW/S

Illustrations LP44 and LP33

No.	Description	Part Number	LPW/LPWS			Remarks
			2	3	4	
	Accessory Kit Code NH	750-10271	1	1	1	90° Bend Kit
	Accessory Kit Code NI	750-10981	1	1	1	135° Bend Kit
1	Exhaust Bend - 90°	757-21680	1	1	1	Replaces 364751
2	Exhaust Bend - 135°	757-21690	1	1	1	Replaces 757-15330
3	Clamp	737-13060	1	1	1	Replaces 359536

Exhaust Bend - LPWT4

Not Illustrated

Description	Part Number	LPWT			Remarks
		2	3	4	
Accessory Kit Code NH	750-42560	-	-	1	
Exhaust Bend - 90°	757-25770	-	-	1	
Clamp	639-30730	-	-	1	

Illustration LP44

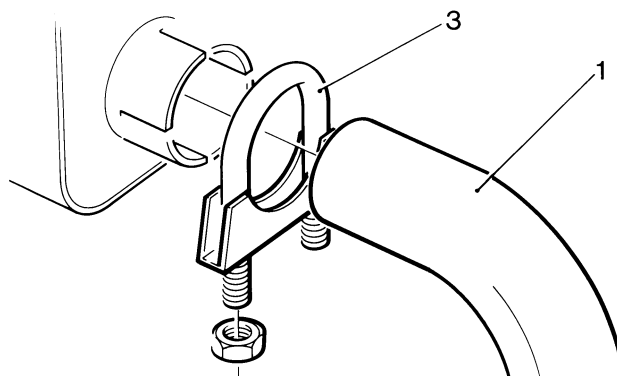
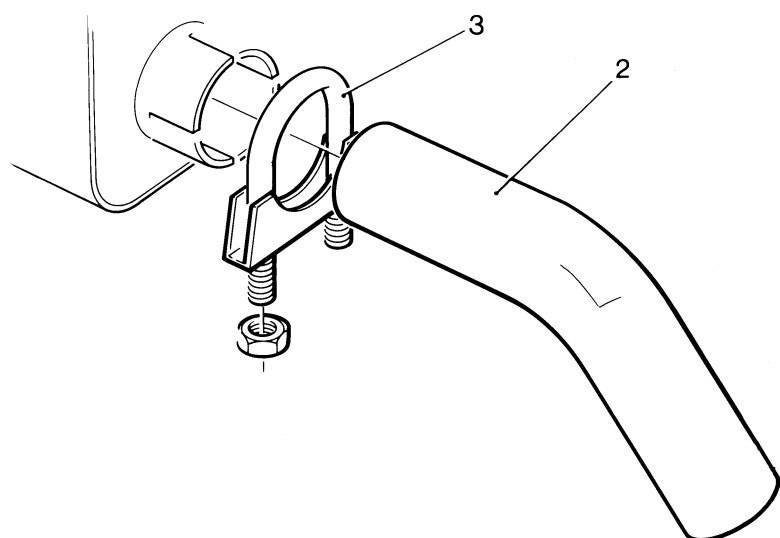


Illustration LP33



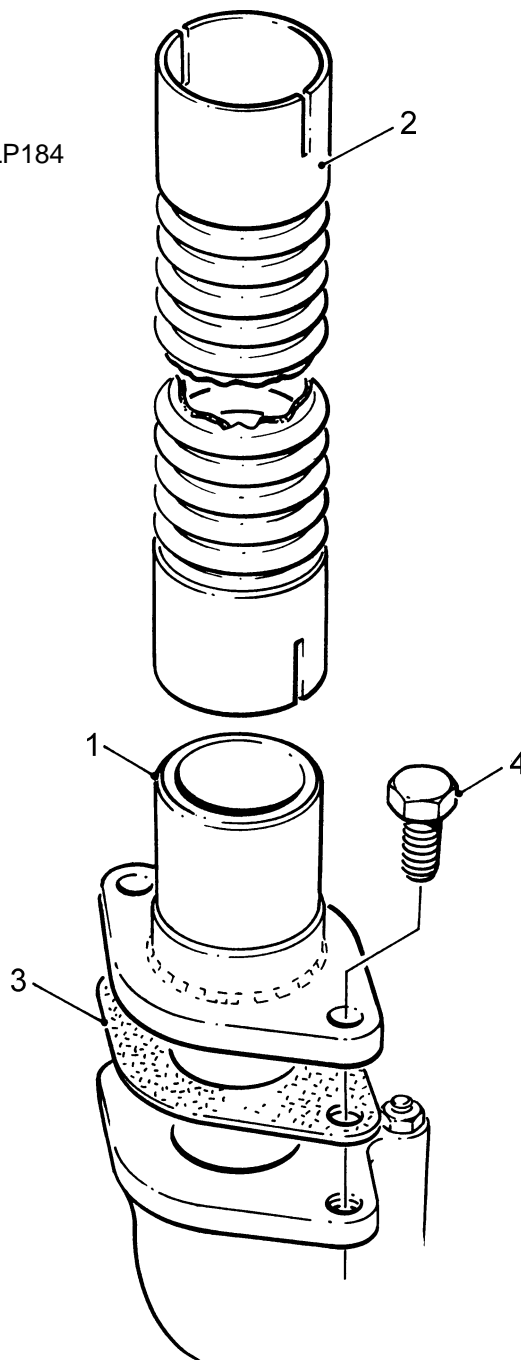
Flexible Exhaust - LPW/S

Illustration LP184

LPW/LPWS

No.	Description	Part Number	LPW/LPWS			Remarks
			2	3	4	
	Accessory Kit Code NM	750-14750	1	1	1	
1	Exhaust Stub Assembly	757-25270	1	1	1	
-	Exhaust Flange	757-15410	1	1	1	
2	Exhaust Bellows	803-02468	1	1	1	
3	Manifold Flange Joint	366-01287	1	1	1	
4	Screw - M10 x 20mm	272-00706	2	2	2	

Illustration LP184



Exhaust Fittings - Marine

Skin Fittings

Illustrations LPM19, LPM20, LPM21

No.	Description	Part Number	LPW/S/T			Remarks
			2	3	4	
	Accessory Kit Code MNG - LPW/S2,3	750-60210	1	1	-	Wet Exhaust Pipe. LPM19
	Accessory Kit Code MNG - LPW/S4 & LPWT4	750-61140	-	-	1	Wet Exhaust Pipe. LPM19
	Accessory Kit Code MNI - LPW/S2,3	750-60230	1	1	-	Wet Exhaust Skin Fittings. LPM19
	Accessory Kit Code MNI - LPW/S4	750-61160	-	-	1	Wet Exhaust Skin Fittings. LPM19
	Accessory Kit Code MNJ	750-60240	1	1	1	Wet Exhaust Skin Rubber. LPM20
	Accessory Kit Code MND	750-60190	1	1	1	Dry Exhaust Skin Fittings. LPM21
1	Bronze Wet Fitting - LPW/S2,3	362-03061	1	1	-	Code MNI
-	Bronze Wet Fitting - LPW/S4	010-20207	-	-	1	Code MNI
2	Wet Skin Fitting - Rubber	360-03890	1	1	1	Code MNJ
3	Dry Skin Fitting	360-03878	1	1	1	Code MND
4	Hose - LPW/S2,3	854-00012	1	1	-	Code MNG
-	Hose - LPW/S4	360-03888	-	-	1	Code MNG
5	Hose Clip - LPW/S2,3	027-04692	2	2	-	Code MNG
-	Hose Clip - LPW/S4	027-04693	-	-	2	Code MNG & MNI

Illustration LPM19

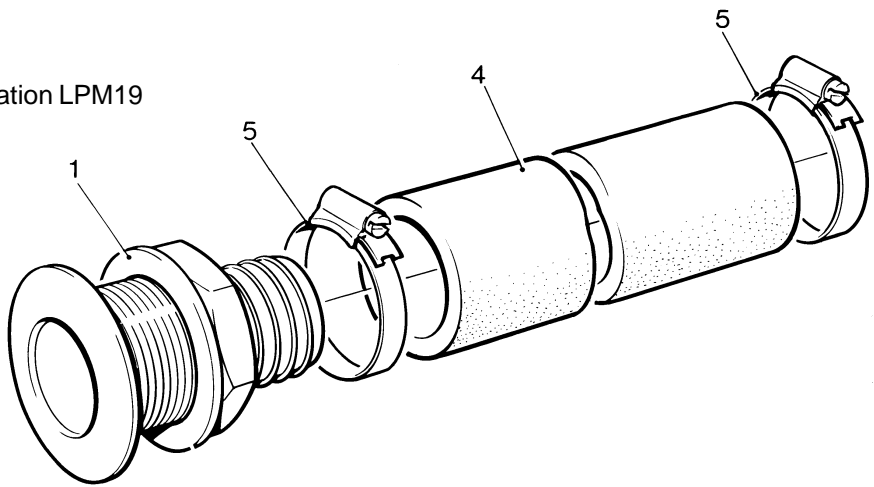


Illustration LPM20

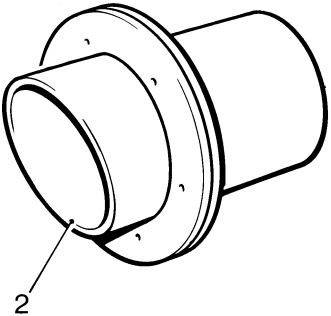
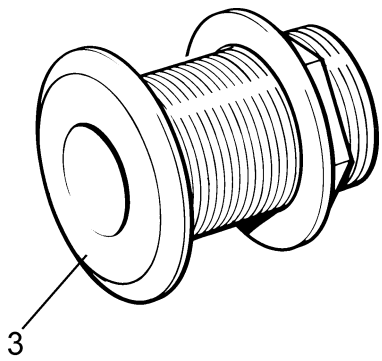


Illustration LPM21



Exhaust Fittings - Marine

Dry Exhaust Flange - LPW/S

Illustration LPM22

No.	Description	Part Number	LPW/LPWS			Remarks
			2	3	4	
	Accessory Code MNE - LPW/S2,3,4	750-60830	1	1	1	Replaces 750-60200
1	Exhaust Flange	854-01135	1	1	1	
2	Gasket	854-01119	1	1	1	
3	Stud	272-00108	4	4	4	
4	Spring Washer	272-00360	4	4	4	
5	Nut	272-00680	4	4	4	

Dry Exhaust Flange - LPWT4

Illustration LPM56

No.	Description	Part Number	LPWT			Remarks
			2	3	4	
	Accessory Code MNE - LPWT4	750-63830	-	-	1	
1	Exhaust Flange	010-21801	-	-	1	
2	Screw - M10 x 30mm	272-00697	-	-	2	
3	Manifold Flange Joint	366-01287	-	-	1	
4	Elbow	804-01030/004	-	-	1	

Water Injected Bend - LPW/S

Illustration LPM23

No.	Description	Part Number	LPW/LPWS			Remarks
			2	3	4	
	Accessory Kit Code MNK - LPW/S2,3	750-60250	1	1	-	
	Accessory Kit Code MNK - LPW/S4	750-61170	-	-	1	
1	Manifold Bend - LPW/LPWS2,3	854-01189	1	1	-	
-	Manifold Bend - LPW/LPWS4	854-01173	-	-	1	
2	Gasket	854-01119	1	1	1	
3	Stud	272-00108	4	4	4	
4	Spring Washer	272-00360	4	4	4	
5	Nut	272-00680	4	4	4	

Water Injected Bend - LPWT4

Illustration LPM45

No.	Description	Part Number	LPWT			Remarks
			2	3	4	
	Accessory Kit Code MNK	750-63580	-	-	1	
1	Hose Clip	027-04687	-	-	2	
2	Spring Washer	272-00360	-	-	4	
3	Setscrew - M8	272-00040	-	-	2	See Note
4	Bolt - M8 x 55mm	272-00113	-	-	2	See Note
5	Flange Joint	754-42531	-	-	1	
6	Hose Bend	757-61691	-	-	1	
7	Water/Exhaust Outlet	757-61861	-	-	1	
8	Water Pipe	757-62190	-	-	1	

Note:

Water/Exhaust Outlet was previously mounted using
4 off Nuts (272-00680), 4 off Studs (2 each of 709625 & 709635)

Illustration LPM56

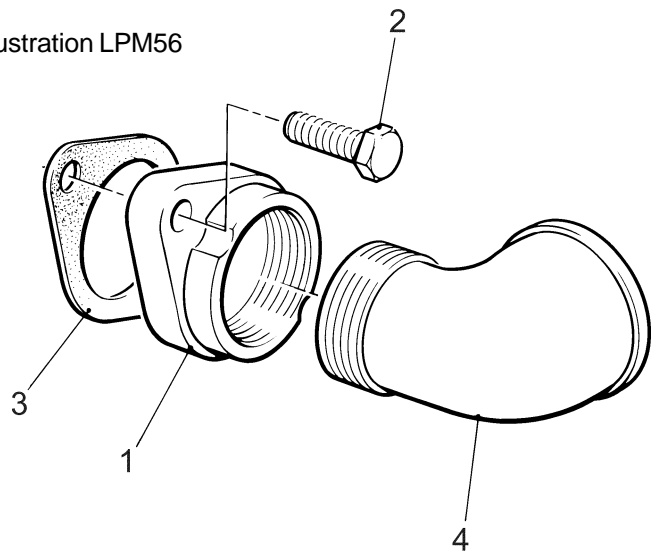


Illustration LPM22

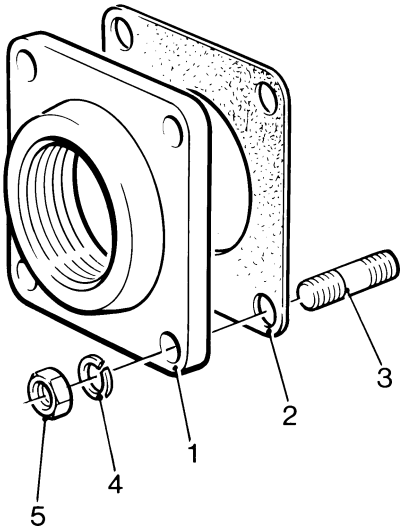


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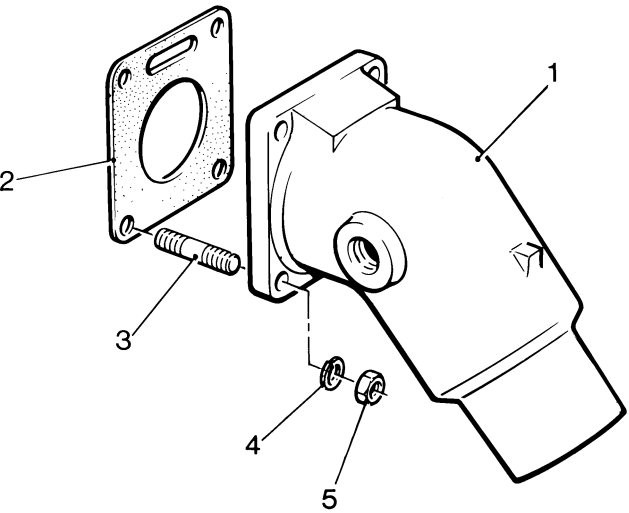
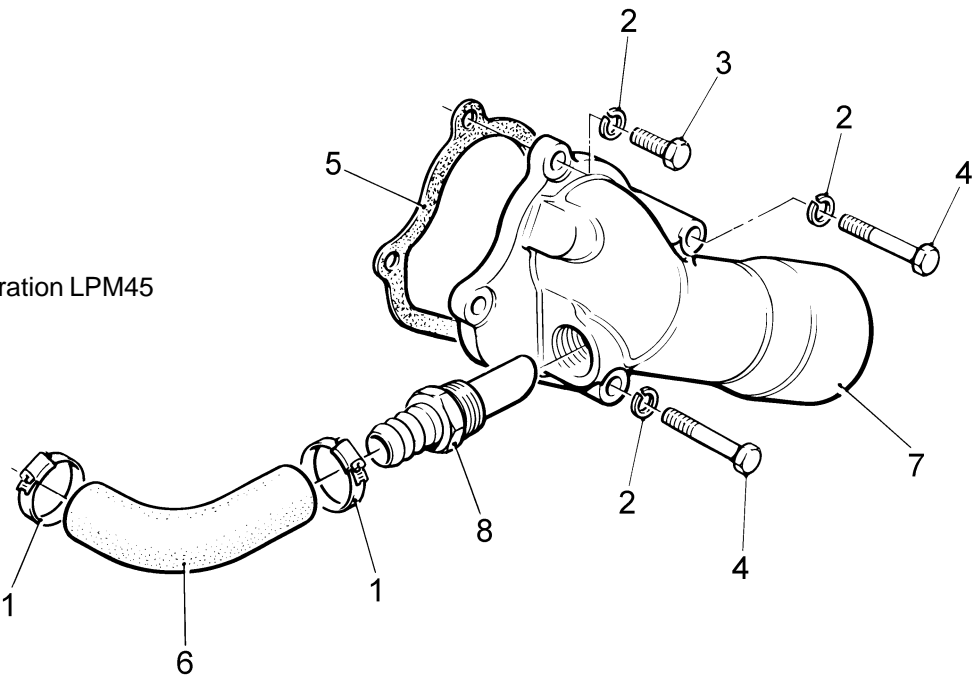


Illustration LPM45



Gauges and Meters

Illustrations LP82, LP89, LP83, LP87, LP88, LP90

No.	Description	Part Number	LPW/S/T			Remarks
			2	3	4	
	Accessory Kit Code PA	750-10351	1	1	1	Oil Pressure Gauge
	Accessory Kit Code PB	750-10361	1	1	1	Engine Temperature Gauge
	Accessory Kit Code PC	750-10371	1	1	1	Voltmeter
	Accessory Kit Code PD	750-10381	1	1	1	Hour Recorder
	Accessory Kit Code PG	750-10391	1	1	1	Tachometer
	Accessory Kit Code PH	750-10401	1	1	1	Oil Pressure Sender - Industrial
1	Oil Pressure Gauge	757-10191	1	1	1	Code PA
2	Oil Pressure Sender	757-10211	1	1	1	Code PH
3	Engine Temperature Gauge	757-10201	1	1	1	Code PB
4	Voltmeter	757-10421	1	1	1	Code PC
5	Hour Recorder	757-14501	1	1	1	Code PD
6	Tachometer	757-12871	1	1	1	Code PG

Note:

For Marine Oil Pressure Sender see Accessory Kit Code MJM.

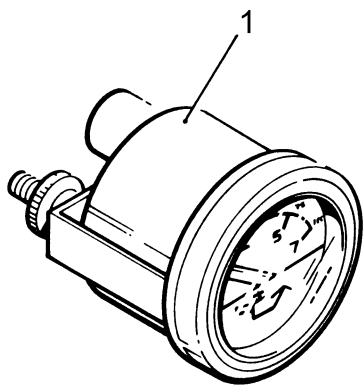


Illustration LP82

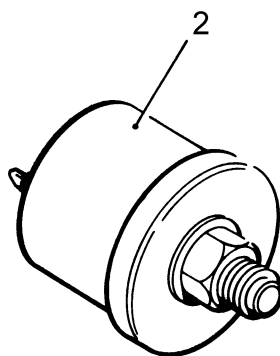


Illustration LP89

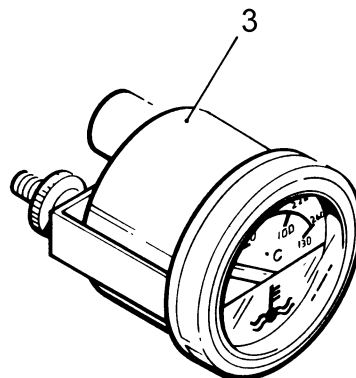


Illustration LP83

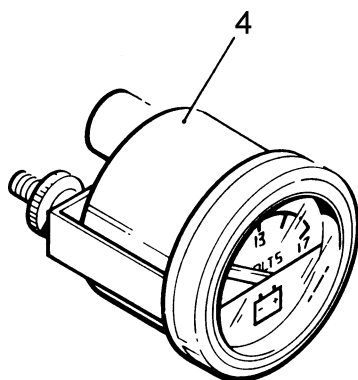


Illustration LP87

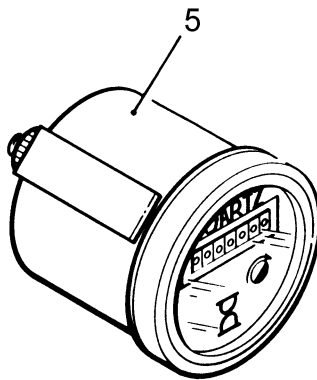


Illustration LP88

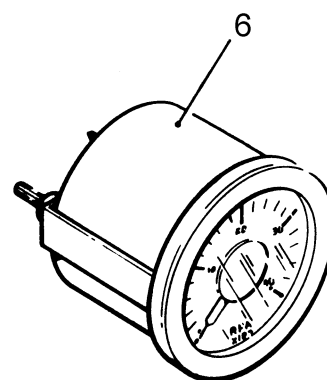


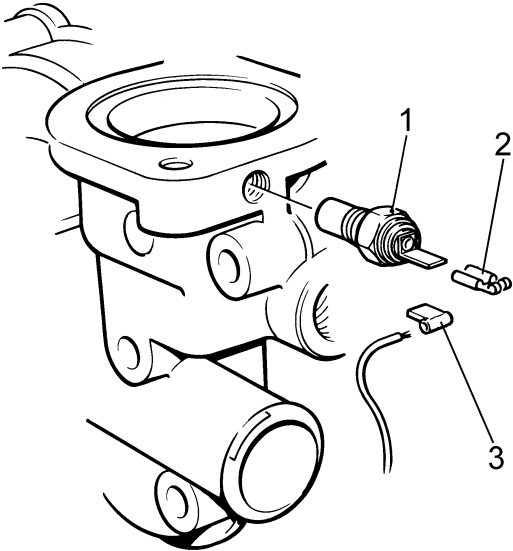
Illustration LP90

Temperature Gauge Sender

Illustration LP94		LPW/S/T				
No.	Description	Part Number	2	3	4	Remarks
	Accessory Kit Code PI	750-40101	1	1	1	
1	Temperature Sender	757-10411	1	1	1	
2	Push-on Connector	757-14150	1	1	1	
3	Cover	757-14160	1	1	1	

Note:
For Marine Temperature Gauge Sender see Accessory Kit Code MJN.

Illustration LP94



High Level Engine Bearers - Gear End

Illustration LP105

No. Description

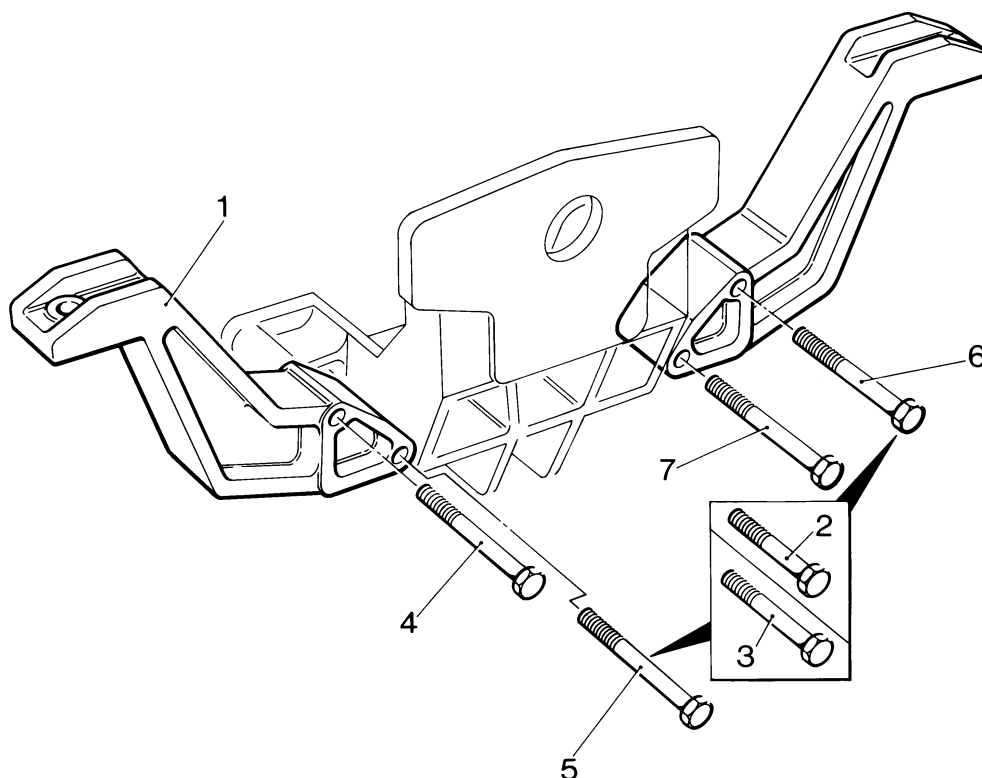
Part Number

LPW/S/T

2 3 4 Remarks

	Accessory Kit Code QA	750-11490	1	1	1	
	Accessory Kit Code QB	750-11500	1	1	1	
1	Bearer	757-16270	2	2	2	Codes QA, QB
2	Bolt - M10 x 60mm	272-00731	2	2	2	Code QA
3	Bolt - M10 x 65mm	272-00732	2	2	2	Code QA
4	Bolt - M10 x 125mm	272-00733	1	1	1	Code QB
5	Bolt - M10 x 130mm	272-00734	1	1	1	Code QB
6	Bolt - M10 x 135mm	272-00735	1	1	1	Code QB
7	Bolt - M10 x 140mm	272-00736	1	1	1	Code QB
-	Screw - M10 x 30mm	272-00697	1	1	1	Code QB
-	Washer - M10	272-00694	1	1	1	Code QB

Illustration LP105



High Level Engine Bearers - Flywheel End

Illustration LP103

No. Description

Part Number

LPW/S/T

2 3 4 Remarks

	Accessory Kit Code QC	750-11480	1	1	1	No's 1-3
	Accessory Kit Code QD	750-12010	1	1	1	Flexible Mountings. No's 4-5
1	Bearer	757-16280	2	2	2	
2	Bolt - M10 x 30mm	272-00697	4	4	4	
3	Bolt - M10 x 35mm	272-00692	4	4	4	
4	Flexible Mounting	757-14560	2	2	2	
5	Setscrew - M12 x 35mm	272-00703	2	2	2	

High Level Engine Bearers - Gear End

Illustration LP195

No. Description

Part Number

LPW/S/T

2 3 4 Remarks

	Accessory Kit Code QE	750-41910	1	1	1	
1	Support Bracket (Right Hand Side)	757-23490	1	1	1	
2	Support Bracket (Left Hand Side)	757-23500	1	1	1	
3	Screw - M10 x 30mm	272-00697	6	6	6	

Illustration LP103

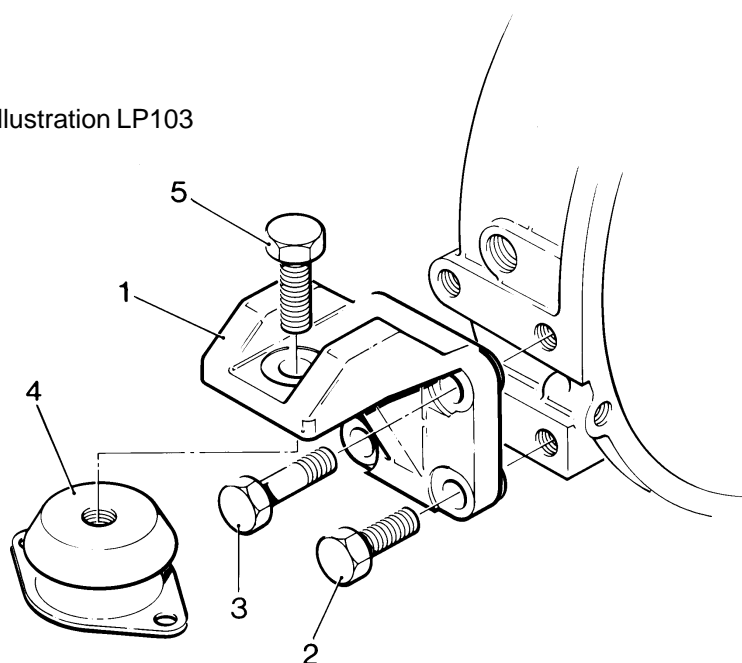
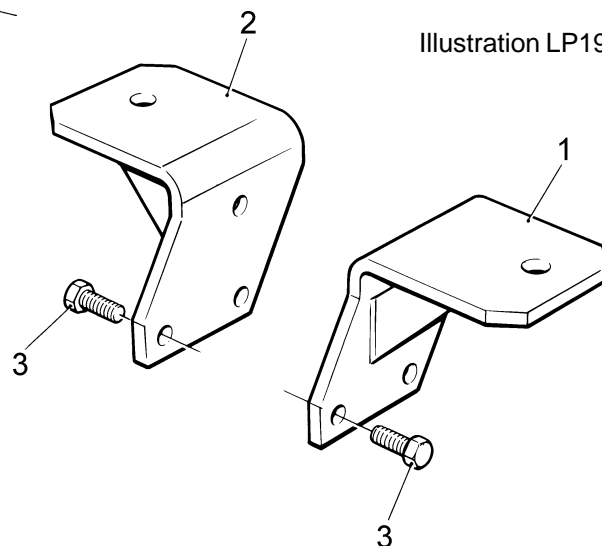


Illustration LP195



Low Level Engine Bearers

Not Illustrated No. Description	Part Number	LPW/S/T			Remarks
		2	3	4	
Accessory Kit Code QF	750-43610	-	-	1	
- Engine Bearer (right hand side)	757-27430	-	-	1	
- Engine Bearer (left hand side)	757-27431	-	-	1	

Engine Bearers - Marine

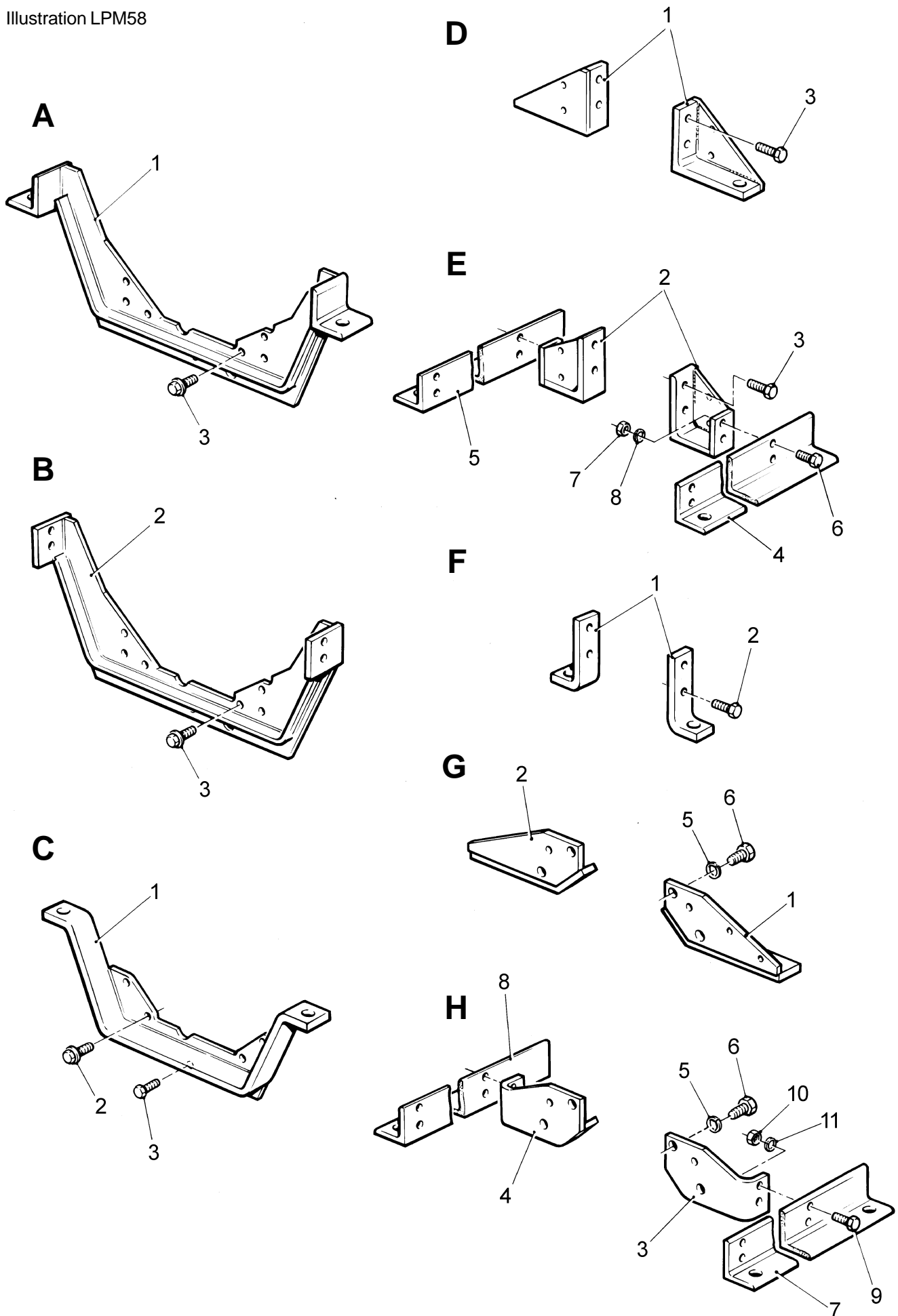
Illustration LPM58 Description	Part Number	LPW/S/T			Remarks
		2	3	4	
A Accessory Kit Code MQB	750-60500	1	-	1	Gear End
B Accessory Kit Code MQB	750-60501	-	1	-	Replaces 750-60500
1 Wide Bearer	803-02332	1	-	1	
2 Wide Bearer	757-63040	-	1	-	Replaces 803-02332
3 Self-lock Setscrew - M10 x 25mm	272-00621	7	7	7	
C Accessory Kit Code MQC	750-60510	1	1	1	Gear End
1 Narrow Bearer	803-02331	1	1	1	
2 Self-lock Setscrew - M10 x 25mm	272-00621	4	4	4	
3 Screw - M10 x 25mm	272-00707	1	1	1	
D Accessory Kit Code MQD	750-60520	1	-	1	Flywheel End. See Note
E Accessory Kit Code MQD	750-60521	-	1	-	Replaces 750-60520
1 Wide Bearer	803-02200	2	-	2	
2 Wide Bearer	757-63050	-	2	-	Replaces 803-02200
3 Bolt - M10 x 35mm	272-00692	4	4	4	
4 Bearer Side Rail (Fuel Pump Side)	757-63060	-	1	-	
5 Bearer Side Rail (Starter Motor Side)	757-63070	-	1	-	
6 Setscrew	272-00697	-	8	-	
7 Nut	272-00681	-	8	-	
8 Spring Washer	272-00311	-	8	-	
F Accessory Kit Code MQE	750-60530	1	1	1	Flywheel End
1 Narrow Bearer	803-02199	2	2	2	
2 Bolt - M10 x 35mm	272-00692	4	4	4	
G Accessory Kit Code MQF - LPW/S4 & LPWT4	750-61280	-	-	1	Flywheel End. See Note
H Accessory Kit Code MQF - LPW/S3	750-61281	-	1	-	Replaces 750-61280
1 Wide Bearer (Fuel Pump Side)	803-02205	-	-	1	
2 Wide Bearer (Starter Motor Side)	803-02206	-	-	1	
3 Wide Bearer (Fuel Pump Side)	757-63090	-	1	-	Replaces 803-02205
4 Wide Bearer (Starter Motor Side)	757-63100	-	1	-	Replaces 803-02206
5 Spring Washer - M12	272-00073	-	4	4	
6 Screw - M12 x 25mm	272-00712	-	4	4	
7 Bearer Side Rail (Fuel Pump Side)	757-63120	-	1	-	
8 Bearer Side Rail (Starter Motor Side)	757-63110	-	1	-	
9 Setscrew	272-00697	-	8	-	
10 Nut	272-00681	-	8	-	
11 Spring Washer	272-00311	-	8	-	

Note:

Kit Code MQD is to suit Delta, Hurth HBW 50, 100, 150, 250 and Newage PRM 150 Gearbox

Kit Code MQF is to suit Newage PRM 260 Gearbox

Illustration LPM58



Anti-vibration Mountings - Marine

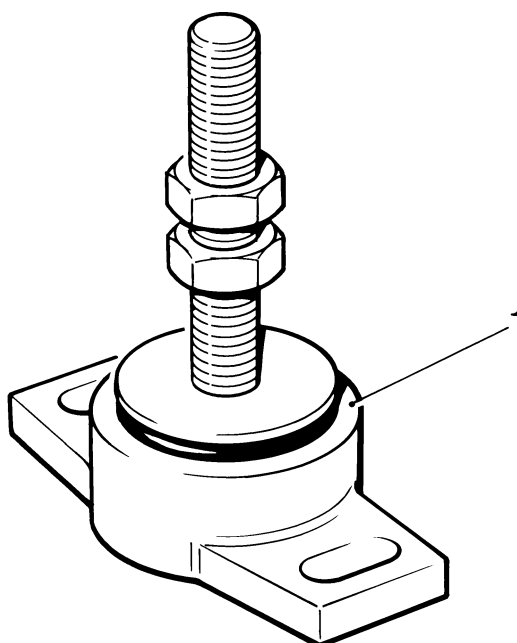
Anti-vibration Mountings and Drip Tray

Not Illustrated Description	Part Number	LPW/LPWS			Remarks
		2	3	4	
Former Accessory Kit Code MQA - LPWS2	750-61490	1	-	-	
Former Accessory Kit Code MQA - LPWS3	750-61610	-	1	-	
Anti-vibration Mounting	362-03294	4	4	-	
Pipe	803-01023/003	1	1	-	
Bush	803-01403/001	1	1	-	
Drip Tray - LPWS2	854-01033	1	-	-	
Drip Tray - LPWS3	854-01034	-	1	-	
Elbow	027-00213	1	1	-	
Pipe	027-04240	1	-	-	
Pipe	027-05460	-	1	-	
Pipe	027-05808	-	1	-	
Cap Nut	025-00251	-	1	-	
Joint	027-04931	-	1	-	
Nut	272-00005	-	2	-	
Spring Washer	272-00073	-	2	-	
Bolt - M12 x 40mm	272-00081	-	2	-	

Illustration LPM31

No.	Description	Part Number	LPW/S/T			Remarks
			2	3	4	
	Accessory Kit Code MQG	750-61900	1	1	1	Standard
	Accessory Kit Code MQH	750-61920	1	1	1	Deluxe for Sail Boat
	Accessory Kit Code MQI	750-62191	1	1	1	Deluxe for Work Boat
1	Anti-vibration Mounting	803-02197	4	4	4	Code MQG
-	Anti-vibration Mounting	854-01252	4	4	4	Code MQH. Replaces 803-02467 & 854-01254
-	Anti-vibration Mounting	757-61830	4	4	4	Code MQI

Illustration LPM31



Radiator Index - LPW/LPWS

Engine Mounted Radiator and Fan Accessory Codes

- RB - 3 row small radiator
- RC - 3 row large radiator
- RD - 3 row extra large radiator
- RE - 3 row extra large radiator with 5 blade puller fan
- RF - 3 row extra large radiator with 5 blade pusher fan
- RG - 3 row extra large radiator with 10 blade pusher fan
- RH - 250mm 5 blade pusher fan
- RI - 250mm 5 blade puller fan
- RJ - 315mm 5 blade pusher fan
- RK - 315mm 5 blade puller fan
- RL - 3 row small remote radiator
- RM - 3 row large remote radiator
- RN - 3 row extra large remote radiator
- RO - 2 row large, low position radiator with 5 blade pusher fan
- RP - 2 row extra, large low position radiator with 5 blade pusher fan
- RQ - Crossflow radiator, fan, guard and bearers
- RR - Crossflow radiator, fan and guard

Radiator Index - LPWT4

Engine Mounted Radiator and Fan Accessory Codes

- RE - 3 row extra large radiator with 5 blade puller fan
- RF - 3 row extra large radiator with 5 blade pusher fan
- RG - 3 row extra large radiator with 10 blade pusher fan
- RT - Super large radiator with 5 blade pusher fan
- RU - Crossflow radiator with puller fan
- RV - Crossflow radiator with pusher fan

Radiator - Less Fan - LPW/S, (LPW4 Build 109 With Fan)

Illustration LP38

No. Description

Part Number

LPW/LPWS

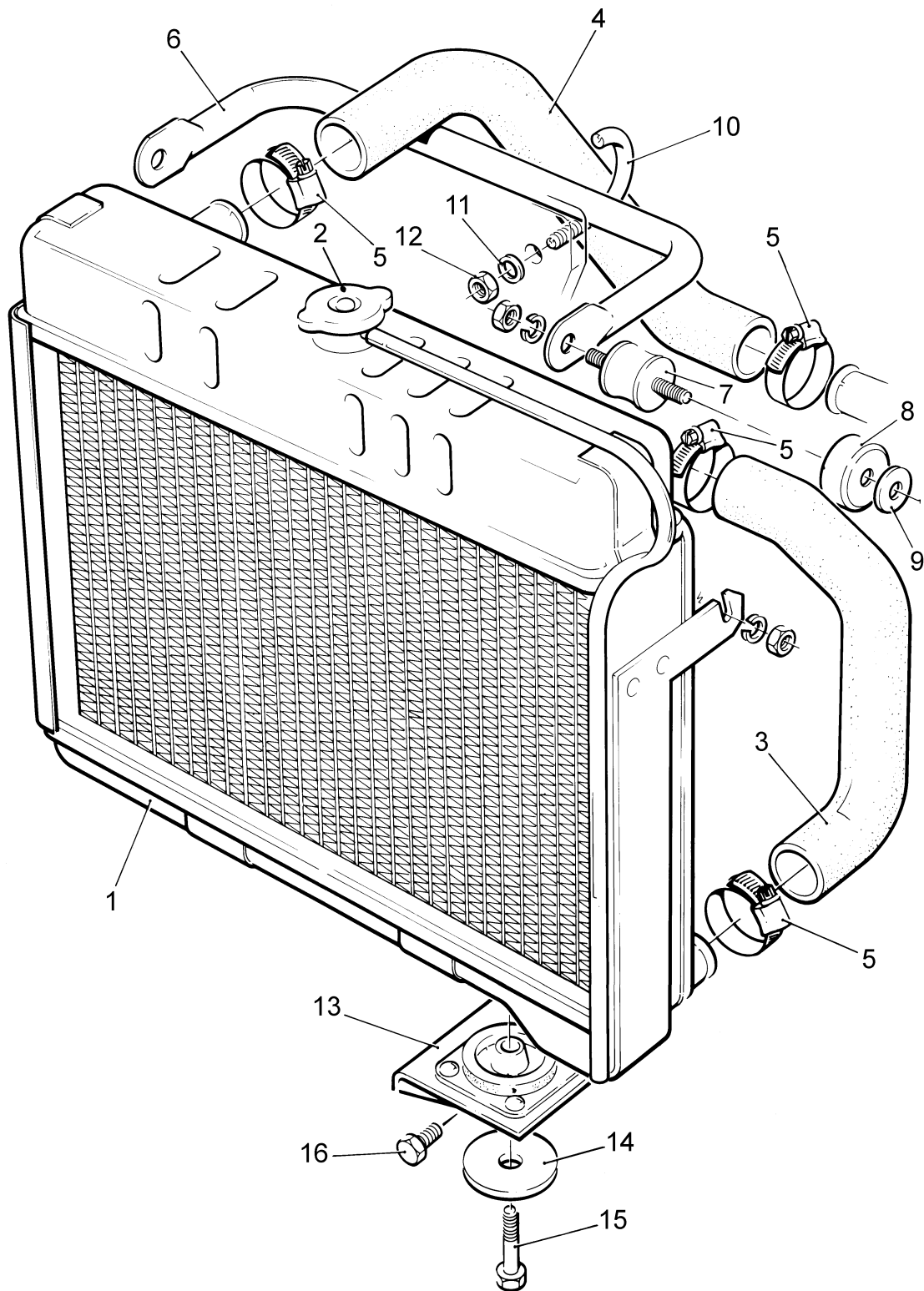
2 3 4 Remarks

	Accessory Kit Code RB	750-40141	1	1	1	3 Row Small Radiator
	Accessory Kit Code RC	750-40693	1	1	1	Replaces 750-40691. 3 Row Large Radiator
	Accessory Kit Code RD	750-40672	1	1	1	Replaces 750-40671. 3 Row Extra Large Radiator
	Accessory Kit Code RY	750-13650	-	-	1	Build 109
1	Radiator Assembly	757-20950	1	1	1	RB. Replaces 752-40094
-	Radiator Assembly	757-20930	1	1	1	RC. Replaces 752-41040
-	Radiator Assembly	757-21040	1	1	1	RD. Replaces 752-41061
-	Radiator Assembly	757-21750	-	-	1	RY
2	Radiator Cap	027-07834	1	1	1	RB
-	Radiator Cap	027-07878	1	1	1	RC, RD, RY
-	Fan Cowl	757-13591	1	1	1	RB
-	Fan Cowl	757-13011	1	1	1	RC
-	Fan Cowl	757-18481	1	1	1	RD
-	Fan Cowl	757-21770	-	-	1	RY
-	Drain Tap	027-10099	1	1	1	
3	Bottom Hose	757-13631	1	1	1	RB
-	Bottom Hose	757-10562	1	1	1	RC, RD, RY
4	Top Hose	757-13640	1	1	1	RB
-	Top Hose	757-10551	1	1	1	RC
-	Top Hose	757-18460	1	1	1	RD
-	Top Hose	757-21810	-	-	1	RY
5	Hose Clip	027-04230	4	4	4	
6	Top Radiator Stay	757-13620	1	1	1	RB
-	Top Radiator Stay	757-12630	1	1	1	RC, RD, RY
7	Flexible Mounting	329-20890	2	2	2	Replaces 757-10510
8	Mounting Cap	757-16910	2	2	2	
9	Washer	272-00715	2	2	2	Replaces 757-17360
-	Spacer	757-17360	-	-	2	RY
10	Hook Bolt - M8	757-12670	2	2	2	
11	Washer	272-00715	4	4	4	RB
-	Washer	785632	4	4	4	RC, RD, RY
12	Self-lock Nut - M8	272-00744	2	2	2	
13	Radiator Support Bracket	757-10442	2	2	2	Replaces 757-10441. Code RB
-	Radiator Support Bracket	757-21710	-	-	1	RY
-	AV Mounts	757-10462	2	2	2	
14	Rebound Plate	757-10491	2	2	2	
15	Bolt - M10 x 40mm	272-00673	2	2	2	
16	Setscrew - M8 x 16mm	272-00674	4	4	4	
-	Fan - 315mm dia,5 Bladed Pusher	754-40511	-	-	1	RY
-	Fan Nut	751-40521	-	-	1	RY

Note:

For Radiator Fan see 'Radiator Fan - LPW/S' section.

Illustration LP38



Mounted Radiator and Fan

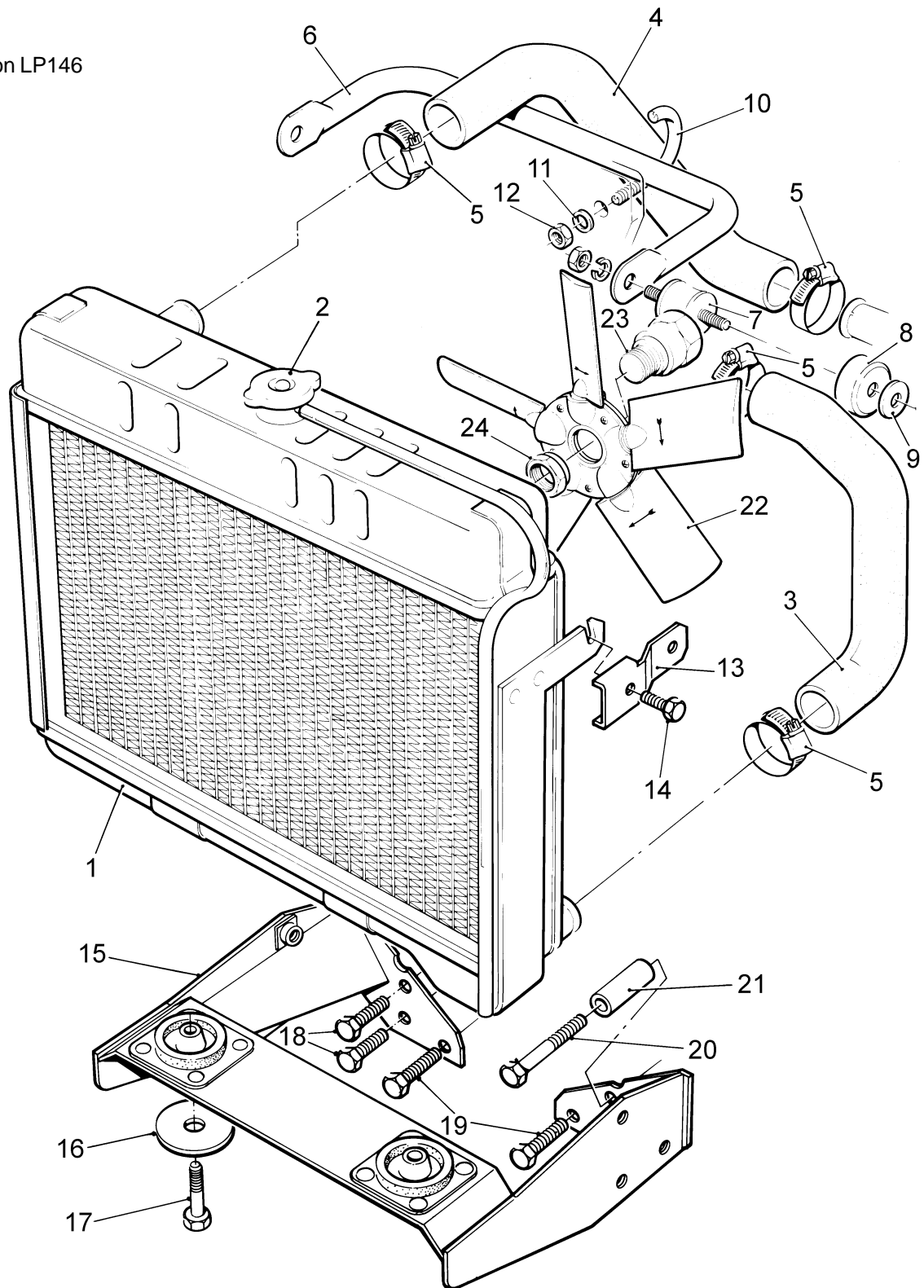
Illustration LP146

No.	Description	Part Number	LPW/S/T			Remarks
			2	3	4	
	Accessory Kit Code RE	750-40963	1	1	1	Radiator with 5 blade puller fan
	Accessory Kit Code RF	750-40923	1	1	1	Radiator with 5 blade pusher fan
	Accessory Kit Code RG	750-40983	1	1	1	Radiator with 10 blade pusher fan
	Accessory Kit Code RO - LPW/S2,3,4	750-13230	1	1	1	Large radiator with 5 blade pusher fan
	Accessory Kit Code RP - LPW/S2,3,4	750-13210	1	1	1	Extra large radiator with 5 blade pusher fan kit
1	Radiator	757-21060	1	1	1	RE, RF, RG. Replaces 754-41510
-	Radiator	754-41540	1	1	1	RO
-	Radiator	754-41520	1	1	1	RP
2	Radiator Cap	027-07878	1	1	1	
-	Fan Cowl	757-19650	1	1	1	RE, RF, RG, RP
-	Fan Cowl	757-13011	1	1	1	RO
-	Drain Tap	027-10099	1	1	1	
3	Bottom Hose	757-20300	1	1	1	RE, RF, RG, RP
-	Bottom Hose	757-28000	1	1	1	RO. Replaces 757-21250
4	Top Hose	757-27560	1	1	1	RE, RF, RG, RP. Repl 757-18460
-	Top Hose	757-27990	1	1	1	RO. Replaces 757-10551
5	Hose Clip	027-04230	4	4	4	
6	Top Radiator Stay	757-12630	1	1	1	
7	Flexible Mounting	329-20890	2	2	2	Replaces 757-10510
8	Mounting Cap	757-16910	2	2	2	
9	Washer	272-00715	2	2	2	Replaces 757-17360
10	Hook Bolt - M8	757-12670	2	2	2	
11	Washer	785632	4	4	4	
12	Self-lock Nut - M8	272-00744	4	4	4	
13	Link Bracket	757-20310	2	2	2	RE, RF, RG
14	Setscrew - M8 x 20mm	272-00665	2	2	2	RE, RF, RG
15	Radiator Support Bracket	757-19571	1	1	1	
-	AV Mounts	757-10462	2	2	2	
16	Rebound Plate	757-10491	2	2	2	
17	Bolt - M10 x 40mm	272-00673	2	2	2	
18	Setscrew - M10 x 25mm	272-00707	2	2	2	
19	Setscrew - M10 x 20mm	272-00706	3	3	3	
20	Bolt - M10 x 65mm	272-00732	1	1	1	
21	Distance Piece	757-21360	1	1	1	
22	Fan - 380mm diameter 5 blade puller	751-41191	1	1	1	RE
-	Fan - 380mm diameter 5 blade pusher	751-41190	1	1	1	RF, RP
-	Fan - 380mm diameter 10 blade pusher	757-19640	1	1	1	RG
-	Fan - 315mm diameter 5 blade pusher	754-40511	1	1	1	RO
23	Spacer	757-17420	1	1	1	
24	Fan Nut	751-40521	1	1	1	L/H thread. Replaces 751-40520

Note:

If using codes RE, RF or RG on an LPWT4 engine, they are only suitable for temperatures of up to 45°C.

Illustration LP146

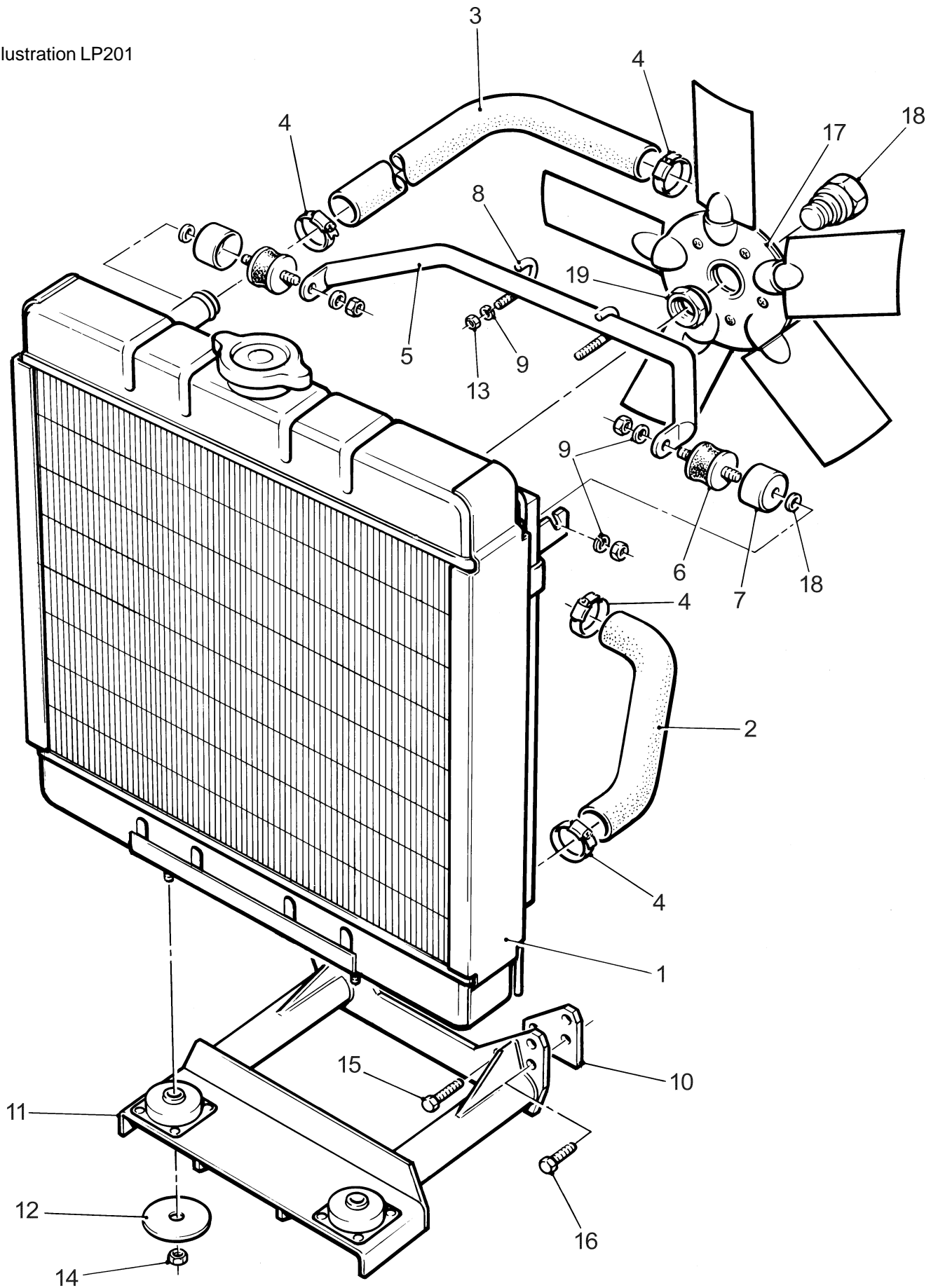


Super Large Radiator and Fan - LPWT4

Illustration LP201

No.	Description	Part Number	LPWT			Remarks
			2	3	4	
	Accessory Kit Code RT	750-42371	-	-	1	Radiator with 5 blade pusher fan
1	Radiator	757-26051	-	-	1	
2	Bottom Hose	757-26180	-	-	1	
3	Top Hose	757-27940	-	-	1	Replaces 757-18460
4	Hose Clip	027-04230	-	-	4	
5	Top Radiator Stay	757-12630	-	-	1	
6	Flexible Mounting	329-20890	-	-	2	
7	Mounting Cap	757-16910	-	-	2	
8	Hook Bolt - M8	757-12670	-	-	2	
9	Washer	785632	-	-	6	
10	Spacer	757-26540	-	-	2	
11	Radiator Support Bracket	757-26230	-	-	1	
-	AV Mounts	757-10462	-	-	2	
12	Rebound Plate	757-10491	-	-	2	
13	Nut - M8	272-00680	-	-	2	
14	Nut - M10	272-00681	-	-	2	
15	Setscrew - M10 x 25mm	272-00707	-	-	4	
16	Setscrew - M10 x 30mm	272-00697	-	-	2	
17	Fan - 400 mm dia 5 Bladed Pusher	757-24950	-	-	1	
18	Spacer	757-17420	-	-	1	
19	Fan Nut	751-40521	-	-	1	Replaces 751-40520

Illustration LP201



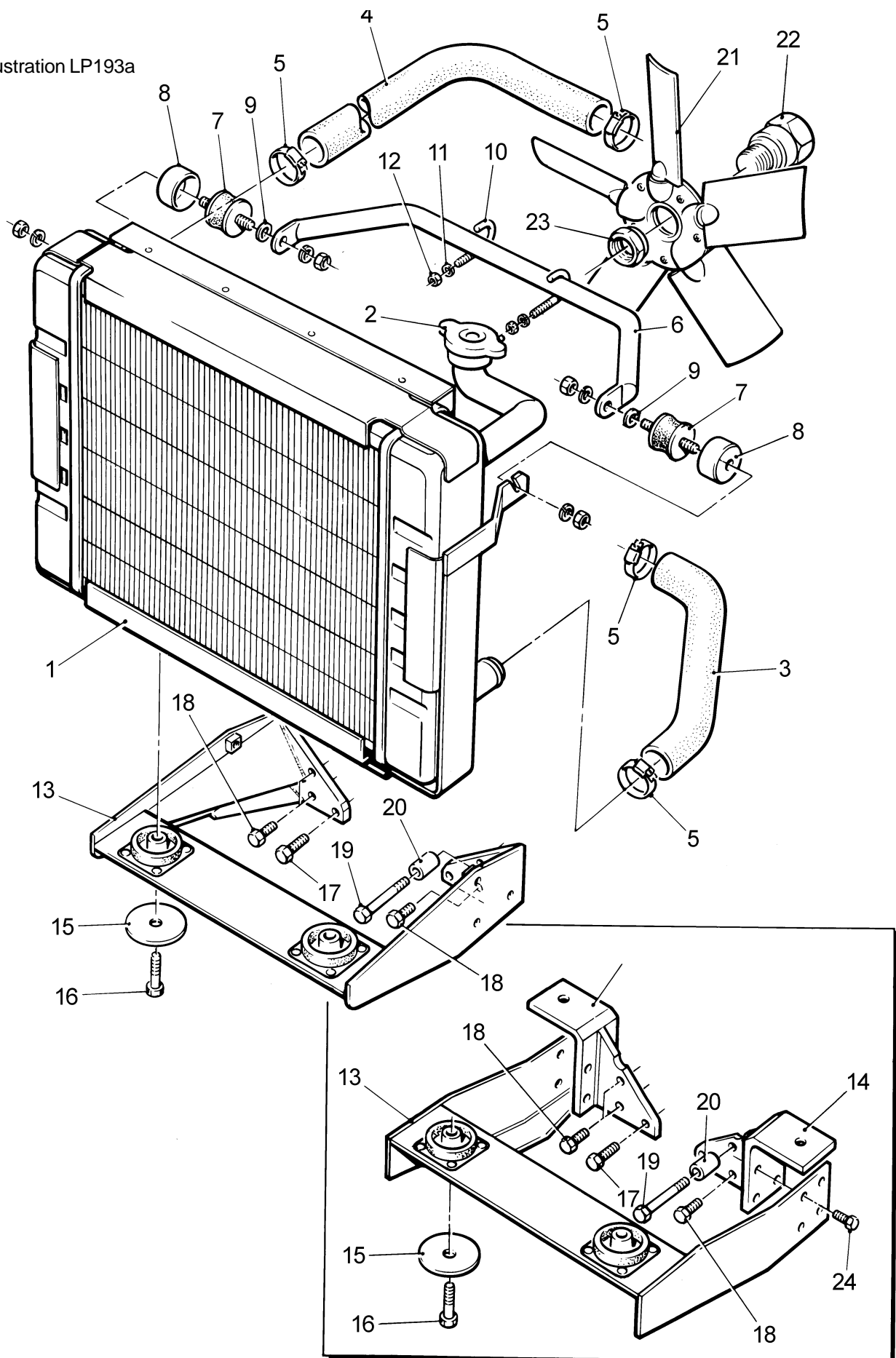
Crossflow Radiator, Fan, Guard & Bearers

Low Mounted - Illustration LP193

LPW/LPWS

No.	Description	Part Number	2	3	4	Remarks
	Accessory Kit Code RQ - Low Mounted	750-43290	1	1	1	Replaces 750-41630
1	Radiator	757-20820	1	1	1	
2	Radiator Cap	027-07878	1	1	1	
-	Fan Cowl	757-22610	1	1	1	
-	Drain Tap	027-10099	1	1	1	
3	Bottom Hose	757-27980	1	1	1	Replaces 757-20300 & 757-10562
4	Top Hose	757-18460	1	1	1	Replaces 757-21400
5	Hose Clip	027-04230	4	4	4	
6	Top Radiator Stay	757-12630	1	1	1	
7	Flexible Mounting	329-20890	2	2	2	Replaces 757-10510
8	Mounting Cap	757-16910	2	2	2	
9	Washer	272-00715	2	2	2	Replaces 757-17360
10	Hook Bolt - M8	757-12670	2	2	2	
11	Washer	785632	4	4	4	
12	Self-lock Nut - M8	272-00744	2	2	2	
13	Radiator Support Bracket	757-27170	1	1	1	
13	Radiator Support Bracket (Early Type)	757-22390	1	1	1	Was Used on 750-41630
-	AV Mounts	757-10462	2	2	2	
14	Engine Support Bracket	757-19750	2	2	2	Was Used on 750-41630
15	Rebound Plate	757-10491	2	2	2	
16	Bolt - M10 x 40mm	272-00673	2	2	2	
17	Setscrew - M10 x 25mm	272-00707	2	2	2	
18	Setscrew - M10 x 20mm	272-00706	3	3	3	
19	Bolt - M10 x 65mm	272-00732	1	1	1	
20	Distance Piece	757-21360	1	1	1	
-	Distance Piece	390-01038	1	1	1	Was Used on 750-41630
21	Fan - 380mm diameter 5 blade puller	751-41191	1	1	1	
-	Fan - 380mm diameter 5 blade pusher	751-41190	1	1	1	Was Used on 750-41630
22	Spacer	757-17420	1	1	1	
23	Fan Nut	751-40521	1	1	1	L/H thread. Replaces 751-40520
24	Screw - M8 x 14mm	272-00037	8	8	8	Used on 750-41630
-	Fan Guard	757-20810	1	1	1	
-	Screw - M6 x 12mm	272-00032	4	4	4	
-	Washer - M6	272-00688	4	4	4	

Illustration LP193a



Crossflow Radiator, Fan & Guard - LPW/S

Illustration LP196

No. Description

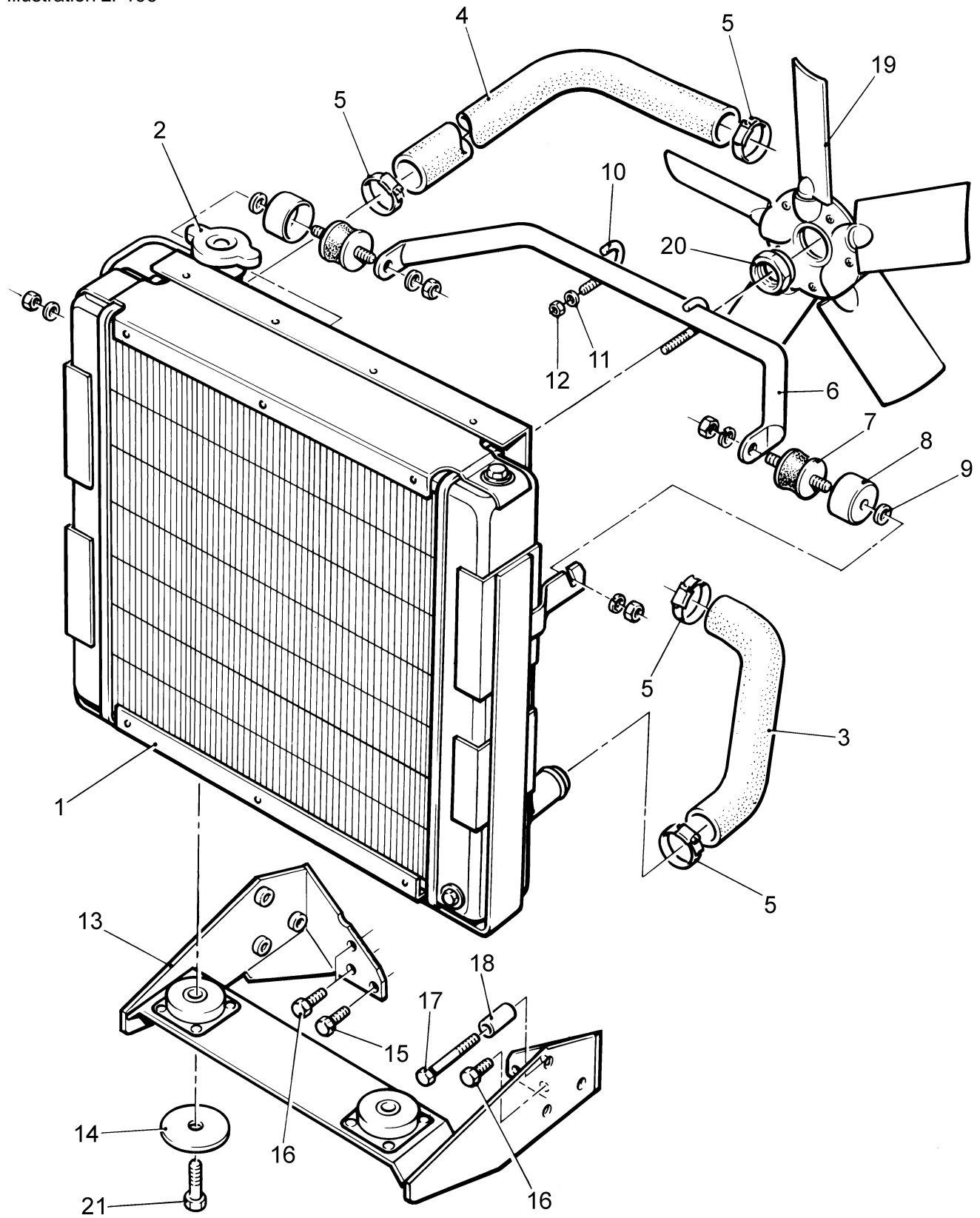
Part Number

LPW/LPWS

2 3 4 Remarks

	Accessory Kit Code RR	750-41760	1	1	1	
1	Radiator	757-22510	1	1	1	
2	Radiator Cap	027-07878	1	1	1	
-	Fan Cowl	757-22590	1	1	1	
-	Drain Tap	027-10099	1	1	1	
3	Bottom Hose	757-27960	1	1	1	Replaces 757-10562
4	Top Hose	757-27950	1	1	1	Replaces 757-18460
5	Hose Clip	027-04230	4	4	4	
6	Top Radiator Stay	757-12630	1	1	1	
7	Flexible Mounting	329-20890	2	2	2	Replaces 757-10510
8	Mounting Cap	757-16910	2	2	2	
9	Spacer	757-17360	2	2	2	
10	Hook Bolt - M8	757-12670	2	2	2	
11	Washer	272-00715	2	2	2	
12	Self-lock Nut - M8	272-00744	2	2	2	
13	Radiator Support Assembly	757-22660	1	1	1	
-	AV Mounts	757-10462	2	2	2	
14	Rebound Plate	757-10491	2	2	2	
15	Setscrew - M10 x 25mm	272-00707	2	2	2	
16	Setscrew - M10 x 20mm	272-00706	3	3	3	
17	Bolt - M10 x 65mm	272-00732	1	1	1	
18	Distance Piece	757-21360	1	1	1	
19	Fan - 380mm dia 5 Blade Puller	751-41191	1	1	1	
20	Fan Nut	751-40521	1	1	1	L/H thread. Replaces 751-40520
21	Bolt - M10 x 35mm	272-00692	2	2	2	
-	Fan Guard	757-22830	1	1	1	
-	Pillar Stud	757-22890	4	4	4	Used to fit Fan Guard
-	Washer	272-00688	4	4	4	Used to fit Fan Guard
-	Screw	272-00693	4	4	4	Used to fit Fan Guard

Illustration LP196

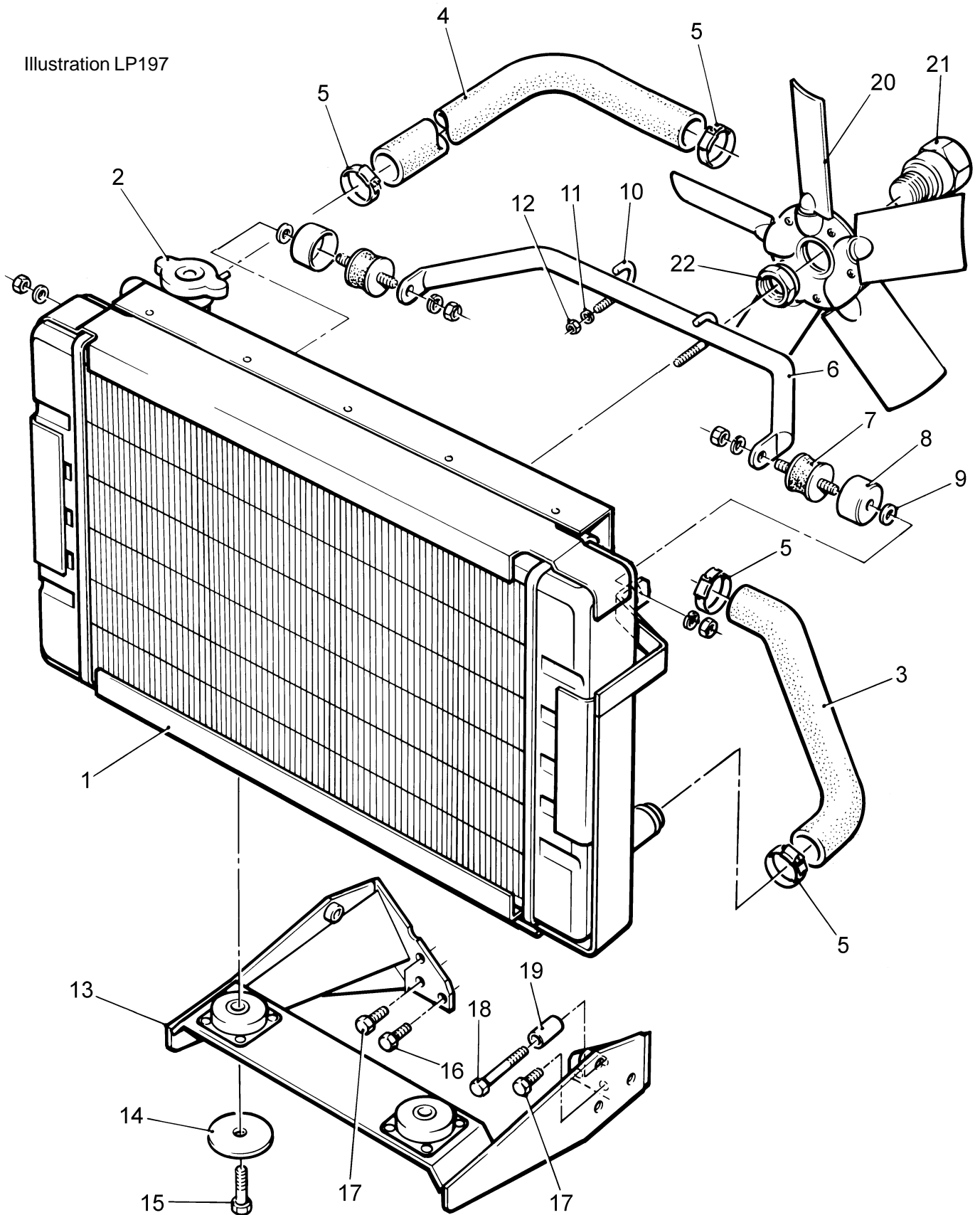


Crossflow Radiator and Fan - LPWT4

Illustration LP197

No.	Description	Part Number	LPWT			Remarks
			2	3	4	
	Accessory Kit Code RU	750-42390	-	-	1	With Puller Fan
	Accessory Kit Code RV	750-42620	-	-	1	With Pusher Fan
1	Radiator	757-25000	-	-	1	Code RU, RV
2	Radiator Cap	027-07878	-	-	1	
-	Cowl	757-25020	-	-	1	Code RU, RV
3	Bottom Hose	757-25660	-	-	1	Code RU, RV
4	Top Hose	757-25610	-	-	1	Code RU, RV
5	Hose Clip	027-04230	-	-	4	
6	Top Radiator Stay	757-12630	-	-	1	
7	Flexible Mounting	329-20890	-	-	2	
8	Mounting Cap	757-16910	-	-	2	
9	Washer - M8	785632	-	-	2	Code RU, RV. Replaces 272-00715
10	Hook Bolt - M8	757-12670	-	-	2	
11	Washer	785632	-	-	4	
12	Nut - M8	272-00680	-	-	2	Code RU, RV. Replaces 272-00744
13	Radiator Support Bracket	757-19573	-	-	1	Replaces 757-19572
-	AV Mounts	757-10462	-	-	2	
14	Rebound Plate	757-10491	-	-	2	
15	Bolt - M10 x 40mm	272-00673	-	-	2	
16	Screw - M10 x 25mm	272-00707	-	-	2	
17	Screw - M10 x 20mm	272-00706	-	-	3	
18	Bolt - M10 x 65mm	272-00732	-	-	1	
19	Distance Piece	757-21360	-	-	1	
20	Fan - 400 mm dia 5 Bladed Puller	757-24951	-	-	1	Code RU
-	Fan - 400 mm dia 5 Bladed Pusher	757-24950	-	-	1	Code RV
21	Spacer	757-17420	-	-	1	
22	Fan Nut	751-40521	-	-	1	L/H thread. Replaces 751-40520

Illustration LP197



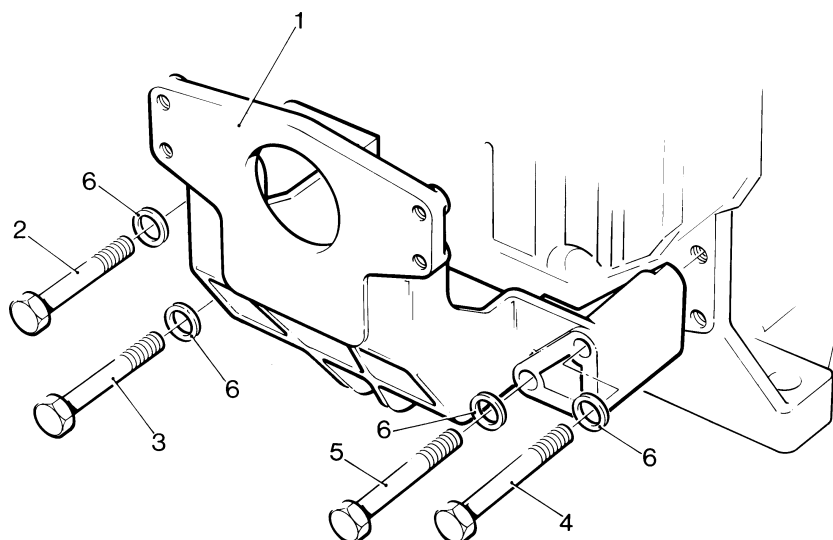
Remote Radiators - LPW/S

Not Illustrated Description	Part Number	LPW/LPWS			Remarks
		2	3	4	
Accessory Kit Code RL	750-40231	1	1	1	3 Row Small
Accessory Kit Code RM	750-40701	1	1	1	3 Row Large
Accessory Kit Code RN	750-40681	1	1	1	3 Row Extra Large
Accessory Kit Code RW	750-42840	1	1	1	Extra Large
Accessory Kit Code RZ	750-42830	1	1	1	Extra Large
- Radiator Assembly	757-20950	1	1	1	RL
- Radiator Assembly	757-20930	1	1	1	RM
- Radiator Assembly	757-21040	1	1	1	RN
- Radiator Cap	027-07834	1	1	1	RL
- Radiator Cap	027-07878	1	1	1	RM, RN
- Fan Cowl	757-13591	1	1	1	RL
- Fan Cowl	757-13011	1	1	1	RM
- Fan Cowl	757-18481	1	1	1	RN
- Drain Tap	027-10099	1	1	1	
- Radiator	757-26890	1	1	1	RW, RZ
- Radiator Fan	751-41193	1	1	1	RZ
- Fan Nut	751-40521	1	1	1	RW, RZ
- Radiator Spacer	757-17420	1	1	1	RW, RZ
- Bottom Hose	757-13631	1	1	1	RL
- Bottom Hose	757-10562	1	1	1	RM & RN
- Top Hose	757-13640	1	1	1	RL
- Top Hose	757-10551	1	1	1	RM
- Top Hose	757-18460	1	1	1	RN, RZ
- Hose	757-20300	1	1	1	RW, RZ
- Hose Clip	027-04230	4	4	4	

Radiator Mounting Bracket

Illustration LP41 No. Description	Part Number	LPW/S/T			Remarks
		2	3	4	
Accessory Kit Code RA	750-40252	1	1	1	
1 Support Bracket	757-10432	1	1	1	Replaces 751-10430 & 757-10431
2 Bolt - M10 x 80mm	272-00701	1	1	1	Replaces 272-00700
3 Bolt - M10 x 80mm	272-00701	1	1	1	
4 Bolt - M10 x 90mm	272-00675	1	1	1	Replaces 272-00702
5 Bolt - M10 x 90mm	272-00675	1	1	1	
6 Washer	272-00694	4	4	4	

Illustration LP41



Radiator Fan - LPW/S

Illustrations LP39 & LP40

No. Description

LPW/LPWS

Part Number 2 3 4 Remarks

	Accessory Kit Code RH	750-40160	1	1	1	5 Blade Pusher Fan
	Accessory Kit Code RI	750-40170	1	1	1	5 Blade Puller Fan
	Accessory Kit Code RJ	750-40180	1	1	1	5 Blade Pusher Fan
	Accessory Kit Code RK	750-40190	1	1	1	5 Blade Pusher Fan
	Accessory Kit Code RX	750-41460	1	1	1	5 Blade Puller Fan
	Accessory Kit Code UA	750-40540	1	-	1	Fan Nut
1	Fan Nut	751-40521	1	1	1	L/H thread. Replaces 751-40520
-	Fan Nut	751-40521	1	-	1	UA
2	Fan - 250mm diameter 5 Blade Pusher	757-13651	1	1	1	RH
-	Fan - 315mm diameter 5 Blade Pusher	754-40511	1	1	1	RJ
3	Fan - 250mm diameter 5 Blade Puller	757-13650	1	1	1	RI
-	Fan - 315mm diameter 5 Blade Puller	754-40510	1	1	1	RK
-	Fan - 381mm diameter 5 Blade Puller	751-41192	1	1	1	RX

Illustration LP39

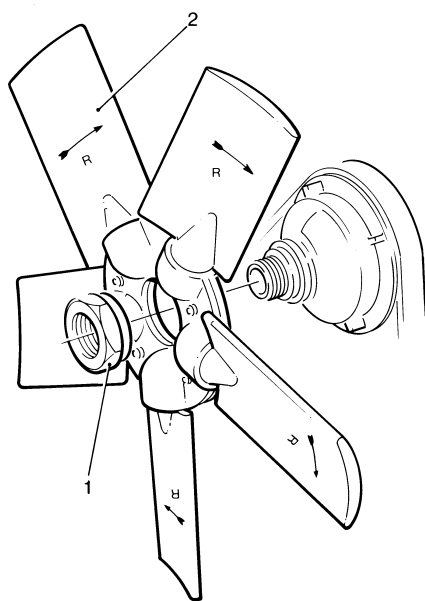
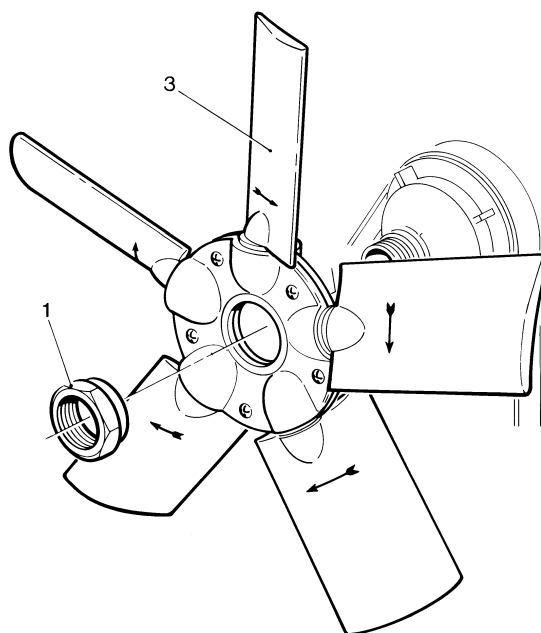


Illustration LP40



Loose Items

Not Illustrated

Description

LPW/LPWS

Part Number 2 3 4 Remarks

Accessory Kit Code XB	750-43680	1	1	1	
Washer	272-00715	2	2	2	
Nut	272-00744	2	2	2	
Pulley	751-10964	1	1	1	
Fan Nut	751-40521	1	1	1	
Radiator Hook Bolt	757-12670	2	2	2	
Radiator Spacer	757-17420	1	1	1	

Gearbox Adaptor and Drive - Marine

For Hurth HBW or Borg Warner 500 Series

Illustration LPM3

LPW/LPWS

No.	Description	Part Number	2	3	4	Remarks
	Accessory Kit Code MVP	750-60410	1	1	1	
1	Damper Drive Plate	362-03100	1	1	1	
2	Gearbox Adaptor	854-00976	1	1	1	
3	Screw - M8 x 16mm	272-00038	6	6	6	
4	Spring Washer - M8	272-00360	6	6	6	
5	Washer - M10	272-00694	8	8	8	
6	Screw - M10 x 30mm	272-00692	6	6	6	Replaces 272-00697
7	Bolt - M10 x 60mm	272-00732	2	2	2	Replaces 272-00731
-	Lock Washer - M10	272-00311	8	8	8	

For Newage PRM 150 Gearbox

Illustration LPM4A

LPW/S/T

No.	Description	Part Number	2	3	4	Remarks
	Accessory Kit Code MVQ	750-63022	1	1	1	Replaces 750-60420 & 750-63020
	Accessory Kit Code MVQ - LPWT4	750-63022	-	-	1	Replaces 750-63021
1	Drive Plate	757-61524	1	1	1	Replaces 854-01161 & 757-61520
-	Drive Plate - LPWT4	757-61524	-	-	1	Replaces 757-61523
2	Screw - M8 x 20mm	272-00665	6	6	6	
3	Spring Washer - M8	272-00360	6	6	6	
4	Gearbox Adaptor	854-00976	1	1	1	Replaces 854-00975
5	Washer - M10	272-00694	8	8	8	
6	Screw - M10 x 30mm	272-00697	6	6	6	
7	Bolt - M10 x 60mm	272-00731	2	2	2	
8	Gearbox Adaptor	854-00975	1	1	1	Used for earlier Delta gearbox
-	'O' Ring	362-03137	1	1	1	For Delta gearbox

For Newage PRM 260 Gearbox

Illustration LPM5

LPW/S/T

No.	Description	Part Number	2	3	4	Remarks
	Accessory Kit Code MVR	750-60980	-	1	1	
	Accessory Kit Code MVR - LPWT4	750-60982	-	-	1	
1	Damper Drive Plate	648-00400	-	1	1	
-	Damper Drive Plate - LPWT4	757-61522	-	-	1	
2	Setscrew - M8 x 20mm	272-00665	-	6	6	
3	Spring Washer - M8	272-00360	-	6	6	
4	Spacer	751-13220	-	6	6	
5	Adaptor Flange	362-03053	-	1	1	
6	Spacer Ring	757-12920	-	1	1	
7	Stud - M10 x 100mm	272-00058	-	2	2	Replaces 605-00060 & 272-00068
8	Stud - M10 x 90mm	709658	-	6	6	Replaces 270-00248 & 272-00058
9	Nut - M10	272-00681	-	8	8	
10	Washer - M10	272-00694	-	8	8	

Caution

From 1st January 1995 fixings for Adaptor Plate were changed from UNC to Metric equivalents

Illustration LPM3

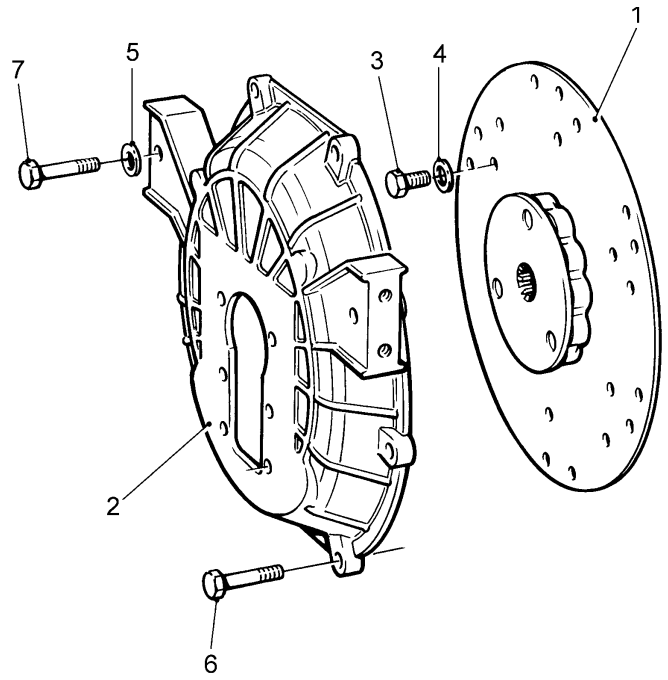


Illustration LPM4A

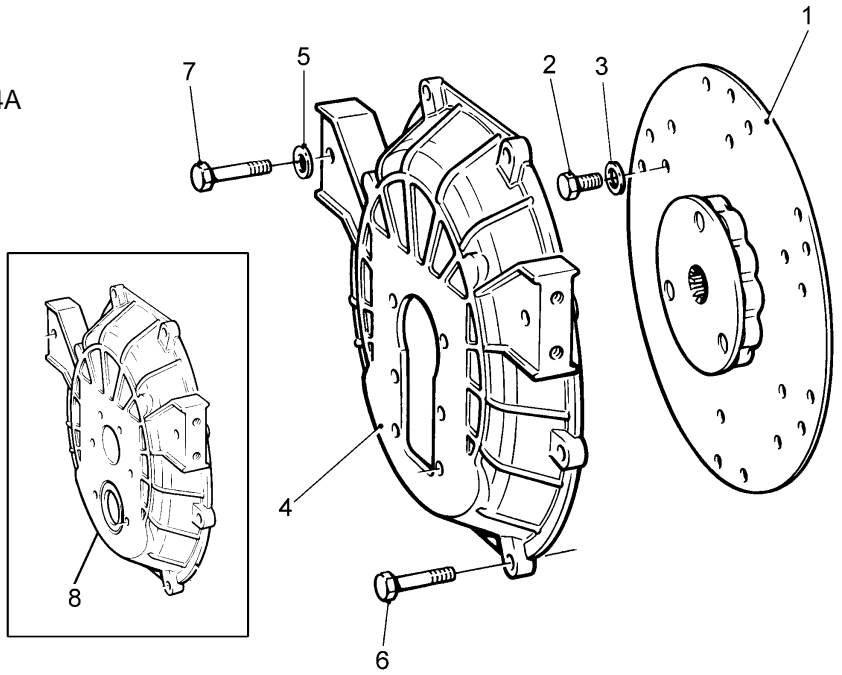
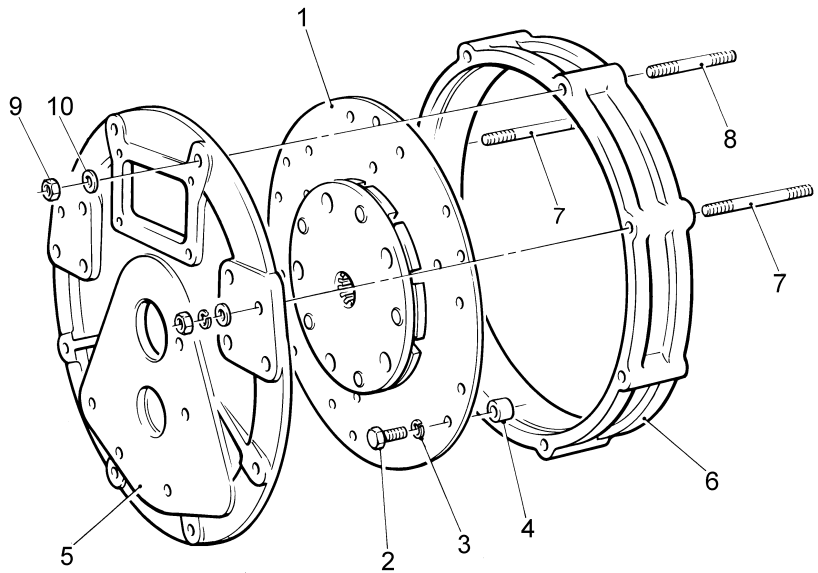


Illustration LPM5



Hurth Gearboxes, Adaptors & Drive Members - LPW/S Marine

Not Illustrated No.	Description	Part Number	LPW/LPWS			Remarks
			2	3	4	
	Accessory Kit Code MVA	750-60450	1	-	-	HBW50 2.05:1 LPW/S2
	Accessory Kit Code MVB	750-60470	1	-	-	HBW100 1.79:1 LPW/S2
	Accessory Kit Code MVC	750-60990	1	1	1	HBW125 2.14:1 LPW/S2,3,4
	Accessory Kit Code MVD	750-62000	-	1	1	HBW150 1.88:1 LPW/S3,4
	Accessory Kit Code MVE	750-60460	1	-	-	HBW100 2.72:1 LPW/S2
	Accessory Kit Code MVF	750-61250	1	1	1	HBW125 2.63:1 LPW/S2,3,4
1	Gearbox	359750	1	-	-	Code MVA
-	Gearbox	360409	1	-	-	Code MVB
-	Gearbox	803-02265	1	1	1	Code MVC
-	Gearbox	361052	-	1	1	Code MVD
-	Gearbox	360410	1	-	-	Code MVE
-	Gearbox	803-02259	1	1	1	Code MVF
2	Gearbox Fittings	807-00973	1	1	1	
3	Damper Driver Plate	362-03100	1	1	1	
4	Gearbox Adaptor	854-00976	1	1	1	
5	Screw - M8	272-00038	6	6	6	
6	Setscrew - M8	272-00040	6	6	6	
7	Washer - M10	272-00694	8	8	8	
8	Screw - M10	272-00697	6	6	6	
9	Spring Washer - M8	272-00360	12	12	12	
10	Bolt - M10	272-00731	2	2	2	
11	Washer - 5/16" diameter	027-00082	6	6	6	

Hurth HBW 150 Gearbox, Adaptor & Drive Member - LPWT4 Marine

Not Illustrated No. Description	Part Number	LPWT			Remarks
		2	3	4	
Accessory Kit Code MVD	750-63680	-	-	1	HBW150 1.88:1
Accessory Kit Code MVJ	750-63681	-	-	1	HBW150A 2:1
1 Gearbox	361052	-	-	1	Code MVD
- Gearbox	751-60160	-	-	1	Code MVJ
2 Damper Drive Plate	757-62530	-	-	1	
3 Gearbox Adaptor	854-00976	-	-	1	
4 Screw - M8	272-00039	-	-	6	
5 Setscrew - M8	272-00040	-	-	6	
6 Washer - M10	272-00694	-	-	8	
7 Screw - M10	272-00697	-	-	6	
8 Spring Washer - M8	272-00360	-	-	12	
9 Bolt - M10	272-00731	-	-	2	
10 Spacer	751-13220	-	-	6	Replaces 027-04775
11 Washer	027-00082	-	-	6	

Hurth HBW 250 Gearbox, Adaptor & Drive Member - LPWT4 Marine

Not Illustrated No. Description	Part Number	LPWT			Remarks
		2	3	4	
Accessory Kit Code MVN	750-63670	-	-	1	HBW250 1.88:1
Accessory Kit Code MVO	750-63770	-	-	1	HBW250 2.74:1
1 Gearbox	757-62360	-	-	1	Code MVN
- Gearbox	362-01496	-	-	1	Code MVO
2 Damper Drive Plate	757-62531	-	-	1	
3 Gearbox Adaptor	854-00977	-	-	1	
4 Screw - M8	272-00039	-	-	6	
5 Washer - M10	272-00694	-	-	8	
6 Screw - M10	272-00697	-	-	6	
7 Spring Washer - M8	272-00360	-	-	6	
8 Bolt - M10	272-00731	-	-	2	
9 Spacer	751-13220	-	-	6	Replaces 027-04775
10 Screw	752695	-	-	6	
11 Washer	786081	-	-	6	
12 Flange Assembly	362-01517	-	-	1	

Hurth Gearbox Adaptor Kits - LPWT4 Marine

Not Illustrated No. Description	Part Number	LPWT			Remarks
		2	3	4	
Accessory Kit Code MVP	750-63781	-	-	1	HBW 150
Accessory Kit Code MVS	750-63782	-	-	1	HBW 250
1 Damper Drive Plate	757-62530	-	-	1	MVP
- Damper Drive Plate	757-62531	-	-	1	MVS
2 Gearbox Adaptor	854-00976	-	-	1	MVP
- Gearbox Adapter	854-00977	-	-	1	MVS. Replaces 854-00976
3 Screw - M8	272-00039	-	-	6	
4 Washer - M10	272-00694	-	-	8	
5 Screw - M10	272-00697	-	-	6	
6 Spring Washer - M8	272-00360	-	-	6	
7 Bolt - M10	272-00731	-	-	2	
8 Spacer	751-13220	-	-	6	Replaces 027-04775
- Screw	752695	-	-	6	MVS
- Washer	786081	-	-	6	MVS

Gearbox - Hurth

Illustration LPM6 No. Description	Part Number	LPW/LPWS			Gearbox/Ratio
		2	3	4	
1 Gearbox Case Assembly	606-12190/007	1	-	-	2:1
- Gearbox Case Assembly	606-12190/008	1	1	-	3:1
- Gearbox Case Assembly	606-12190/009	1	1	1	HBW125
2 Bearing Shield - Input	606-12132/001	1	1	-	2:1
- Bearing Shield - Input	606-12132/003	-	1	1	3:1
- Bearing Shield - Input	606-12132/003	-	-	1	
- Bearing Shield - Input	606-12132/003	1	1	1	HBW125
2 Bearing Shield - Output	606-12132/002	1	-	-	2:1
- Bearing Shield - Output	606-12132/002	-	1	-	2:1
- Bearing Shield - Output	606-12132/003	-	1	-	3:1
- Bearing Shield - Output	606-12132/003	-	-	1	
- Bearing Shield - Output	606-12132/003	1	1	1	HBW125
3 Cover Plate	606-12190/001	2	-	-	2:1
- Cover Plate	606-12190/001	2	-	-	3:1
- Cover Plate	606-12190/001	-	2	-	2:1
- Cover Plate	606-12190/002	-	2	-	3:1
- Cover Plate	606-12190/002	-	-	2	
- Cover Plate	606-12190/002	1	1	1	HBW125
4 Spring Washer	606-12148/001	36	-	-	2:1
- Spring Washer	606-12148/002	40	-	-	3:1
- Spring Washer	606-12148/002	40	40	40	2:1
- Spring Washer	606-12148/002	40	40	40	HBW125
5 Screw	606-12149/001	20	-	-	2:1
- Screw	606-12149/001	16	-	-	3:1
- Screw	606-12149/001	-	16	12	2:1
- Screw	606-12149/001	12	12	12	HBW125
6 Actuating Lever	606-12195/008	1	1	1	2:1
7 Screw	606-12149/002	1	1	1	2:1
8 Seal	606-12134/001	1	1	1	2:1
9 Cover Plate	606-12190/003	1	-	-	2:1
- Cover Plate	606-12190/004	1	-	-	3:1
- Cover Plate	606-12190/004	-	1	1	
- Cover Plate	606-12190/004	1	1	1	HBW125
10 Spring Dowel Pin	606-12194/003	1	1	1	2:1
11 Actuating Cam Assembly	606-12196/009	1	1	1	2:1
15 Shifting Fork Assembly	606-12063/001	1	-	-	2:1
- Shifting Fork Assembly	606-12063/001	1	-	-	3:1
- Shifting Fork Assembly	606-12063/001	-	1	-	2:1
- Shifting Fork Assembly	606-12063/002	-	1	-	3:1
- Shifting Fork Assembly	606-12063/002	-	-	1	
- Shifting Fork Assembly	606-12063/002	1	1	1	HBW125
16 Actuating Shaft	606-12196/007	1	-	-	2:1
- Actuating Shaft	606-12196/008	1	-	-	3:1
- Actuating Shaft	606-12196/008	-	1	1	
- Actuating Shaft	606-12196/008	1	1	1	HBW125
17 Screw Plug and Seal	606-12134/011	1	1	1	2:1
- Screw Plug and Seal	606-12200/002	1	1	1	3:1
18 Seal	606-12134/002	2	2	2	2:1
19 Dipstick	606-12195/001	1	1	-	2:1
- Dipstick	606-12195/002	-	1	-	3:1
- Dipstick	606-12195/002	-	-	1	
- Dipstick	606-12195/002	1	1	1	HBW125

Continued on the next page

Illustration LPM6 No. Description	Part Number	LPW/LPWS			Gearbox/Ratio
		2	3	4	
20 Oil Drain Plug	606-12200/001	1	1	1	
21 Bolt	606-12149/003	14	14	14	
22 Nut	606-12147/001	8	10	11	
23 'O' Ring	606-12134/014	1	-	-	2:1
- 'O' Ring	606-12134/012	1	-	-	3:1
- 'O' Ring	606-12134/012	-	1	-	2:1
- 'O' Ring	606-12134/013	-	1	-	3:1
- 'O' Ring	606-12134/013	-	-	1	
- 'O' Ring	606-12134/013	1	1	1	HBW125
24 Intermediate Gear Shaft	606-12196/004	1	-	-	2:1
- Intermediate Gear Shaft	606-12196/005	1	-	-	3:1
- Intermediate Gear Shaft	606-12196/005	-	1	-	2:1
- Intermediate Gear Shaft	606-12196/006	-	1	-	3:1
- Intermediate Gear Shaft	606-12196/006	-	-	1	
- Intermediate Gear Shaft	606-12196/006	1	1	1	HBW125
25 Retaining Plate	606-12190/005	2	-	-	2:1, 3:1
- Retaining Plate	606-12190/005	-	2	-	2:1
- Retaining Plate	606-12190/006	-	2	-	3:1
- Retaining Plate	606-12190/006	-	-	2	
- Retaining Plate	606-12190/006	2	2	2	HBW125
26 Intermediate Gear	606-12141/001	1	-	-	2:1
- Intermediate Gear	606-12141/002	1	-	-	3:1
- Intermediate Gear	606-12141/002	-	1	-	2:1
- Intermediate Gear	606-12141/003	-	1	-	3:1
- Intermediate Gear	606-12141/003	-	-	1	
- Intermediate Gear	606-12141/003	1	1	1	HBW125
27 Needle Bearing Cage	606-12130/016	1	-	-	2:1
- Needle Bearing Cage	606-12130/017	1	-	-	3:1
- Needle Bearing Cage	606-12130/017	-	1	-	2:1
- Needle Bearing Cage	606-12130/018	-	1	-	3:1
- Needle Bearing Cage	606-12130/018	-	-	1	
- Needle Bearing Cage	606-12130/018	1	1	1	HPW125
28 Seal	606-12134/003	4	-	-	2:1, 3:1
- Seal	606-12134/003	-	4	-	2:1
- Seal	606-12134/004	-	4	-	3:1
- Seal	606-12134/004	-	-	4	
- Seal	606-12134/004	4	4	4	HBW125
29 Loctite Jointing Compound					
30 Seal - Input	606-12134/006	1	-	-	2:1, 3:1
- Seal - Input	606-12134/006	-	1	-	2:1
- Seal - Input	606-12134/008	-	1	-	3:1
- Seal - Input	606-12134/008	-	-	1	
- Seal - Input	606-12134/008	1	1	1	HBW125
31 Seal - Output	606-12134/009	1	-	-	2:1, 3:1
- Seal - Output	606-12134/009	-	1	-	2:1
- Seal - Output	606-12134/010	-	1	-	3:1
- Seal - Output	606-12134/010	-	-	1	
- Seal - Output	606-12134/010	1	1	1	HBW125
32 Outer Taper Roller Race - Input	606-12130/001	2	-	-	2:1, 3:1
- Outer Taper Roller Race - Input	606-12130/001	-	2	-	2:1
- Outer Taper Roller Race - Input	606-12130/002	-	2	-	3:1
- Outer Taper Roller Race - Input	606-12130/002	-	-	2	
- Outer Taper Roller Race - Input	606-12130/002	2	2	2	HBW125
33 Taper Roller Bearing - Input	606-12130/003	2	-	-	2:1, 3:1
- Taper Roller Bearing - Input	606-12130/003	-	2	-	2:1
- Taper Roller Bearing - Input	606-12130/004	-	2	-	3:1
- Taper Roller Bearing - Input	606-12130/004	-	-	2	
- Taper Roller Bearing - Input	606-12130/004	2	2	2	HBW125
34 Outer Taper Roller Race - Output	606-12130/001	2	-	-	2:1, 3:1
- Outer Taper Roller Race - Output	606-12130/001	-	2	-	2:1
- Outer Taper Roller Race - Output	606-12130/002	-	2	-	3:1
- Outer Taper Roller Race - Output	606-12130/002	-	-	2	
- Outer Taper Roller Race - Output	606-12130/002	2	2	2	HBW125

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Illustration LPM6

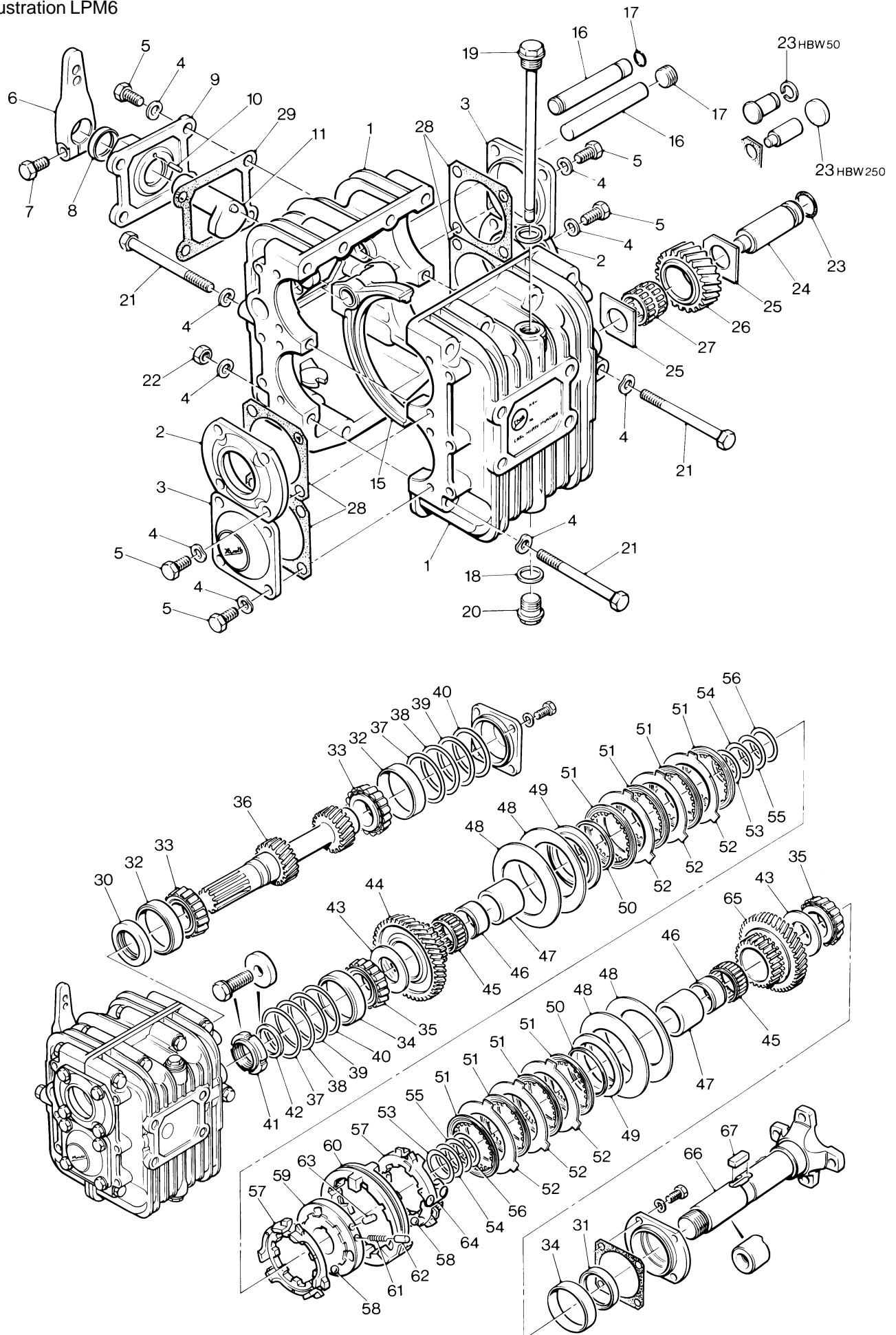


Illustration LPM6 No. Description	Part Number	LPW/LPWS			
		2	3	4	Gearbox/Ratio
35 Taper Roller Bearing - Output	606-12130/003	2	-	-	2:1, 3:1
- Taper Roller Bearing - Output	606-12130/003	-	2	-	2:1
- Taper Roller Bearing - Output	606-12130/004	-	2	-	3:1
- Taper Roller Bearing - Output	606-12130/004	-	-	2	
- Taper Roller Bearing - Output	606-12130/004	2	2	2	HBW125
36 Input Shaft	606-12196/011	1	-	-	2:1
- Input Shaft	606-12196/013	1	-	-	3:1
- Input Shaft	606-12196/012	-	1	-	2:1
- Input Shaft	606-12196/014	-	1	-	3:1
- Input Shaft	606-12196/015	-	-	1	2:1
- Input Shaft	606-12196/014	-	-	1	3:1
- Input Shaft	606-12196/014	-	-	1	HBW125
37 Shim	606-12197/007	2	-	-	2:1, 3:1
- Shim	606-12197/007	-	2	-	2:1
- Shim	606-12197/008	-	2	-	3:1
- Shim	606-12197/008	-	-	2	
- Shim	606-12197/008	2	2	2	HBW125
38 Shim	606-12197/009	2	-	-	2:1, 3:1
- Shim	606-12197/009	-	2	-	2:1
- Shim	606-12197/010	-	2	-	3:1
- Shim	606-12197/010	-	-	2	
- Shim	606-12197/010	2	2	2	HBW125
39 Shim	606-12197/011	2	-	-	2:1, 3:1
- Shim	606-12197/011	-	2	-	2:1
- Shim	606-12197/012	-	2	-	3:1
- Shim	606-12197/012	-	-	2	
- Shim	606-12197/012	2	2	2	HBW125
40 Shim	606-12197/013	2	-	-	2:1, 3:1
- Shim	606-12197/013	-	2	-	2:1
- Shim	606-12197/014	-	2	-	3:1
- Shim	606-12197/014	-	-	2	
- Shim	606-12197/014	2	2	2	HBW125
41 Groove Ring Nut Screw	606-12147/002	1	-	-	2:1
- Groove Ring Nut Screw	606-12147/003	1	-	-	3:1
- Groove Ring Nut Screw	606-12147/003	-	1	-	2:1
- Groove Ring Nut Screw	606-12147/004	-	1	-	3:1
- Groove Ring Nut Screw	606-12147/004	-	-	1	
- Groove Ring Nut Screw	606-12147/004	1	1	1	HBW125
42 Spacer	606-12197/004	1	-	-	2:1
- Spacer	606-12197/004	1	-	-	3:1
- Spacer	606-12197/005	-	1	-	2:1
- Spacer	606-12197/006	-	1	-	3:1
- Spacer	606-12197/006	-	-	1	
- Spacer	606-12197/023	1	1	1	HBW125
43 Thrust Ring	606-12130/005	1	-	-	2:1, 3:1
- Thrust Ring	606-12130/005	-	1	-	2:1
- Thrust Ring	606-12130/006	-	1	-	3:1
- Thrust Ring	606-12130/006	-	-	1	
- Thrust Ring	606-12130/006	1	1	1	HBW125
44 Forward Gear - 43 Teeth	606-12141/004	1	-	-	2:1
- Forward Gear - 49 Teeth	606-12141/006	1	-	-	3:1
- Forward Gear - 43 Teeth	606-12141/005	-	1	-	2:1
- Forward Gear - 50 Teeth	606-12141/007	-	1	-	3:1
- Forward Gear - 45 Teeth	606-12141/012	-	-	1	2:1
- Forward Gear - 50 Teeth	606-12141/007	-	-	1	3:1
- Forward Gear - 45 Teeth	606-12141/014	1	1	1	2:1 HBW125
- Forward Gear - 50 Teeth	606-12141/015	1	1	1	3:1 HBW125
45 Needle Cage	606-12130/007	2	-	-	2:1
- Needle Cage	606-12130/008	2	-	-	3:1
- Needle Cage	606-12130/008	-	2	-	2:1
- Needle Cage	606-12130/009	-	2	-	3:1
- Needle Cage	606-12130/009	-	-	2	
- Needle Cage	606-12130/009	2	2	2	HBW125

Continued on the next page

Illustration LPM6		LPW/LPWS			
No.	Description	Part Number	2	3	4 Gearbox/Ratio
46	Inner Race - Needle Bearing	606-12130/010	2	-	- 2:1
-	Inner Race - Needle Bearing	606-12130/011	2	-	- 3:1
-	Inner Race - Needle Bearing	606-12130/011	-	2	- 2:1
-	Inner Race - Needle Bearing	606-12130/012	-	2	- 3:1
-	Inner Race - Needle Bearing	606-12130/012	-	-	2
-	Inner Race - Needle Bearing	606-12130/012	2	2	2 HBW125
47	Spacer	606-12197/001	2	-	- 2:1
-	Spacer	606-12197/002	2	-	- 3:1
-	Spacer	606-12197/002	-	2	- 2:1
-	Spacer	606-12197/003	-	2	- 3:1
-	Spacer	606-12197/003	2	2	2 HBW125
48	Cup Spring	606-12198/007	4	-	- 2:1
-	Cup Spring	606-12198/008	4	-	- 3:1
-	Cup Spring	606-12198/008	-	4	- 2:1
-	Cup Spring	606-12198/009	-	4	- 3:1
-	Cup Spring	606-12198/009	-	-	4
-	Cup Spring	606-12198/009	4	4	4 HBW125
49	Thrust Ring/End Disc	606-12130/013	2	-	- 2:1
-	Thrust Ring/End Disc	606-12130/014	2	-	- 3:1
-	Thrust Ring/End Disc	606-12130/014	-	2	- 2:1
-	Thrust Ring/End Disc	606-12130/015	-	2	- 3:1
-	Thrust Ring/End Disc	606-12130/015	-	-	2
-	Thrust Ring/End Disc	606-12130/021	2	2	2 HBW125
50	Circlip	606-12198/004	2	-	- 2:1
-	Circlip	606-12198/005	2	-	- 3:1
-	Circlip	606-12198/005	-	2	- 2:1
-	Circlip	606-12198/006	-	2	- 3:1
-	Circlip	606-12198/006	-	-	2
-	Circlip	606-12198/010	2	2	2 HBW125
51	Internal Clutch Disc	606-12142/001	4	-	- 2:1
-	Internal Clutch Disc	606-12142/001	8	-	- 3:1
-	Internal Clutch Disc	606-12142/001	-	8	- 2:1
-	Internal Clutch Disc	606-12142/002	-	8	- 3:1
-	Internal Clutch Disc	606-12142/002	-	-	8
-	Internal Clutch Disc	606-12142/005	8	8	8 HBW125
52	External Clutch Disc	606-12142/003	4	-	- 2:1
-	External Clutch Disc	606-12142/003	8	-	- 3:1
-	External Clutch Disc	606-12142/003	-	8	- 2:1
-	External Clutch Disc	606-12142/004	-	8	- 3:1
-	External Clutch Disc	606-12142/004	-	-	8
-	External Clutch Disc	606-12142/006	8	8	8 HBW125
53	Shim - 0,4mm	606-12197/015	2	-	- 2:1, 3:1
-	Shim - 0,4mm	606-12197/015	-	2	- 2:1
-	Shim - 0,4mm	606-12197/016	-	2	- 3:1
-	Shim - 0,4mm	606-12197/016	-	-	2
-	Shim - 0,4mm	606-12197/016	2	2	2 HBW125
54	Shim - 0,5mm	606-12197/017	2	-	- 2:1, 3:1
-	Shim - 0,5mm	606-12197/017	-	2	- 2:1
-	Shim - 0,5mm	606-12197/018	-	2	- 3:1
-	Shim - 0,5mm	606-12197/018	-	-	2
-	Shim - 0,5mm	606-12197/018	2	2	2 HBW125
55	Shim - 0,6mm	606-12197/019	2	-	- 2:1, 3:1
-	Shim - 0,6mm	606-12197/019	-	2	- 2:1
-	Shim - 0,6mm	606-12197/020	-	2	- 3:1
-	Shim - 0,6mm	606-12197/020	-	-	2
-	Shim - 0,6mm	606-12197/020	2	2	2 HBW125
56	Shim - 0,7mm	606-12197/021	2	-	- 2:1, 3:1
-	Shim - 0,7mm	606-12197/021	-	2	- 2:1
-	Shim - 0,7mm	606-12197/022	-	2	- 3:1
-	Shim - 0,7mm	606-12197/022	-	-	2
-	Shim - 0,7mm	606-12197/022	2	2	2 HBW125

Continued on the next page

Illustration LPM6 No. Description	Part Number	LPW/LPWS			
		2	3	4	Gearbox/Ratio
57 Disc Carrier	606-12063/003	2	-	-	2:1
- Disc Carrier	606-12063/004	2	-	-	3:1
- Disc Carrier	606-12063/004	-	2	-	2:1
- Disc Carrier	606-12063/005	-	2	-	3:1
- Disc Carrier	606-12063/005	-	-	2	
- Disc Carrier	606-12063/006	2	2	2	HBW125
58 Ball	606-12130/019	6	-	-	2:1, 3:1
- Ball	606-12130/019	-	6	-	2:1
- Ball	606-12130/020	-	6	-	3:1
- Ball	606-12130/020	-	-	6	
- Ball	606-12130/020	6	6	6	HBW125
59 Guide Sleeve	606-12166/001	1	-	-	2:1
- Guide Sleeve	606-12166/002	1	-	-	3:1
- Guide Sleeve	606-12166/002	-	1	-	2:1
- Guide Sleeve	606-12166/003	-	1	-	3:1
- Guide Sleeve	606-12166/003	-	-	1	
- Guide Sleeve	606-12166/003	1	1	1	HBW125
60 Actuating Sleeve	606-12166/004	1	-	-	2:1
- Actuating Sleeve	606-12166/005	1	-	-	3:1
- Actuating Sleeve	606-12166/005	-	1	-	2:1
- Actuating Sleeve	606-12166/006	-	1	-	3:1
- Actuating Sleeve	606-12166/006	-	-	1	3:1
- Actuating Sleeve	606-12166/006	1	1	1	HBW125
61 Compression Spring	606-12198/001	3	-	-	2:1, 3:1
- Compression Spring	606-12198/001	-	3	-	2:1
- Compression Spring	606-12198/002	-	3	-	3:1
- Compression Spring	606-12198/002	-	-	3	
- Compression Spring	606-12198/002	3	3	3	HBW125
62 Dent Pin	606-12195/003	3	-	-	2:1, 3:1
- Dent Pin	606-12195/003	-	3	-	2:1
- Dent Pin	606-12195/004	-	3	-	3:1
- Dent Pin	606-12195/004	-	-	3	
- Dent Pin	606-12195/004	3	3	3	HBW125
63 Driving Pin	606-12195/006	3	-	-	2:1, 3:1
- Driving Pin	606-12195/006	-	3	-	3:1
- Driving Pin	606-12195/007	-	3	-	2:1
- Driving Pin	606-12195/007	-	-	3	
- Driving Pin	606-12195/007	3	3	3	HBW125
64 Spring	606-12198/003	3	3	3	
65 Reverse Gear - 41 Teeth	606-12141/009	1	-	-	2:1
- Reverse Gear - 41 Teeth	606-12141/010	1	-	-	3:1
- Reverse Gear - 41 Teeth	606-12141/010	-	1	-	2:1
- Reverse Gear - 43 Teeth	606-12141/011	-	1	-	3:1
- Reverse Gear - 43 Teeth	606-12141/011	-	-	1	
- Reverse Gear - 43 Teeth	606-12141/013	1	1	1	HBW125
66 Output Shaft	606-12196/001	1	-	-	2:1
- Output Shaft	606-12196/002	1	-	-	3:1
- Output Shaft	606-12196/002	-	1	-	2:1
- Output Shaft	606-12196/003	-	1	-	3:1
- Output Shaft	606-12196/003	-	-	1	
- Output Shaft	606-12196/016	1	1	1	HBW125
67 Key	606-12194/001	2	-	-	2:1, 3:1
- Key	606-12194/001	-	2	-	2:1
- Key	606-12194/002	-	2	-	3:1
- Key	606-12194/002	-	-	2	
- Key	606-12194/002	2	2	2	HBW125

Gearbox - Newage PRM 150 - Marine

Illustration LPM7

No. Description

Part Number

LPW/S/T

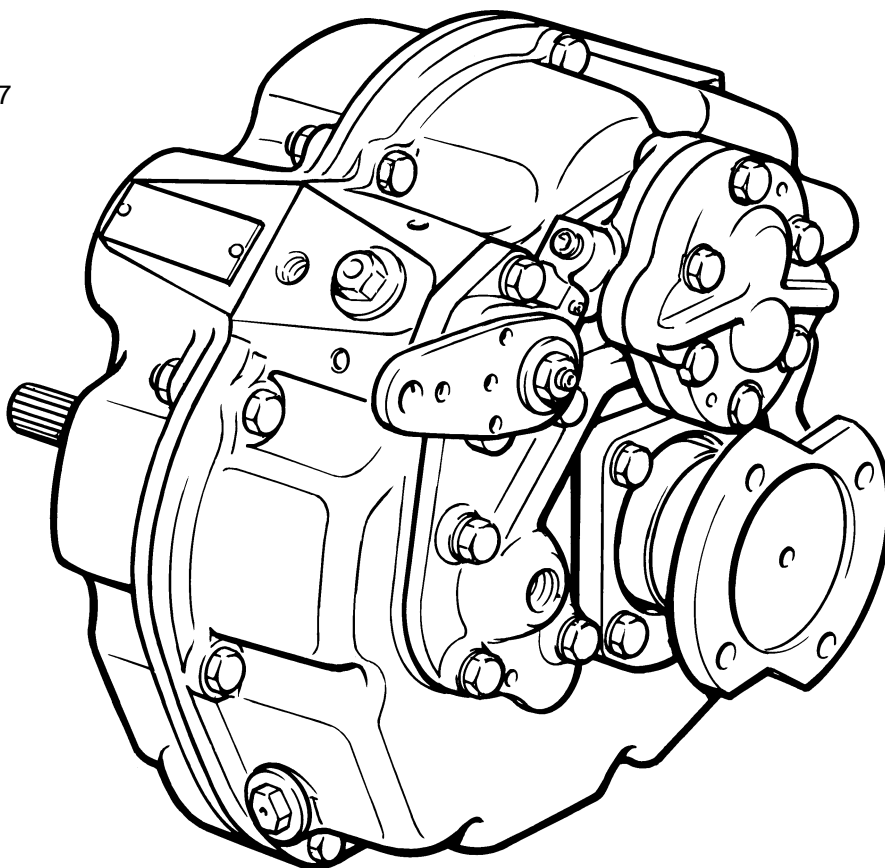
2 3 4 Remarks

Accessory Kit Code MVG	750-63002	1	1	1	PRM 150 D2 2.09:1. Replaces 750-63000 & 63001
Accessory Kit Code MVH	750-63003	1	1	1	PRM 150 D3 2.82:1. Replaces 750-63010 & 63011
Gearbox	757-62920	1	1	1	Code MVG. Replaces 362-01564
Gearbox	757-62930	1	1	1	Code MVH. Replaces 362-01873
Oil Pump Assembly	606-11220/004	1	1	1	
Oil Pump Repair Kit	606-11221/013	1	1	1	
Clutch Pack	606-11221/014	1	1	1	
'O' Ring Kit	606-11221/015	1	1	1	
Piston Ring Kit	606-11221/017	1	1	1	
Gearbox Fittings	362-01733	1	1	1	
Drive Plate	757-61524	1	1	1	Replaces 757-61520 & 61523
Gearbox Adaptor	854-00976	1	1	1	Replaces 854-00975
Screw - M8 x 20mm	272-00665	6	6	6	
Spring Washer - M8	272-00360	12	12	12	
Screw - M8 x 30mm	272-00739	6	6	6	
'O' Ring	362-03137	1	1	1	
Washer - M10	272-00694	8	8	8	
Screw - M10 x 30mm	272-00697	6	6	6	
Bolt - M10 x 60mm	272-00731	2	2	2	
Washer - M8	272-00715	6	6	6	

Note:

The Newage PRM 150 Gearbox is a replacement for the Newage Delta Gearbox.

Illustration LPM7



Gearbox - Newage PRM 260 - Marine

Illustration LPM8

No. Description

Part Number

LPW/S/T

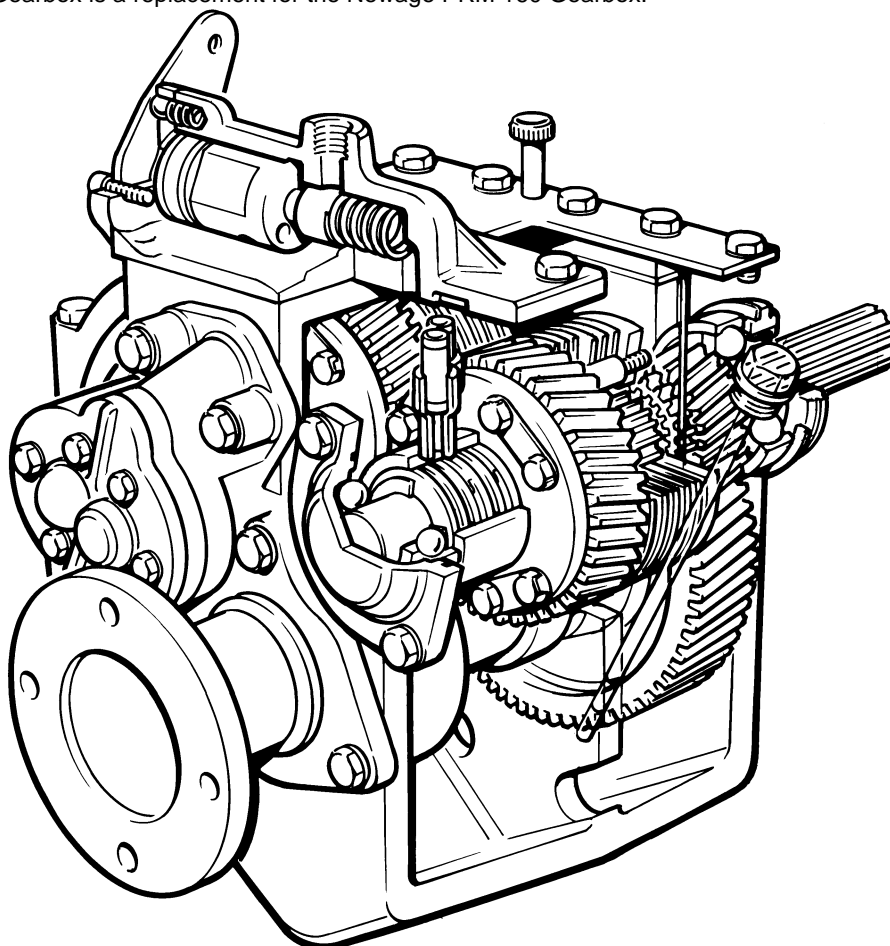
2 3 4 Remarks

Accessory Kit Code MVK (LPW/S)	750-61260	-	1	1	LPW/S PRM 260 1.96:1
Accessory Kit Code MVK (LPWT4)	750-63321	-	-	1	LPWT4 PRM 260 1.96:1
Accessory Kit Code MVL (LPW/S)	750-60970	-	1	1	LPW/S PRM 260 2.94:1
Accessory Kit Code MVL (LPWT4)	750-63221	-	-	1	LPWT4 PRM 260 3:1
Gearbox	803-02213	-	1	1	Code MVK
Gearbox	803-02212	-	1	1	Code MVL
Oil Pump Assembly	606-11220/005	-	1	1	
Clutch Pack	606-11222/001	-	1	1	
'O' Ring Kit	606-11221/021	-	1	1	
Shimming Kit	606-11221/006	-	1	1	
Piston Ring Kit	606-11221/022	-	1	1	
Gearbox Fittings	389-04162	-	1	1	
Damper Drive Plate	648-00400	-	1	1	LPW/S
Damper Drive Plate	757-61522	-	-	1	LPWT4
Gearbox Adaptor	362-03053	-	1	1	
Spacer Ring	757-12920	-	1	1	
Screw - M8 x 20mm	272-00665	-	6	6	
Spacer	751-13220	-	6	6	
Nut - M10	272-00681	-	7	7	
Stud - M10 x 100mm	272-00058	-	2	2	
Stud - M10 x 90mm	709658	-	5	5	
Spring Washer - M8	272-00360	-	6	6	
Washer - M10	272-00694	-	7	7	LPW/S
Lockwasher - M10	272-00311	-	7	7	LPWT4

Note:

The Newage PRM 260 Gearbox is a replacement for the Newage PRM 160 Gearbox.

Illustration LPM8



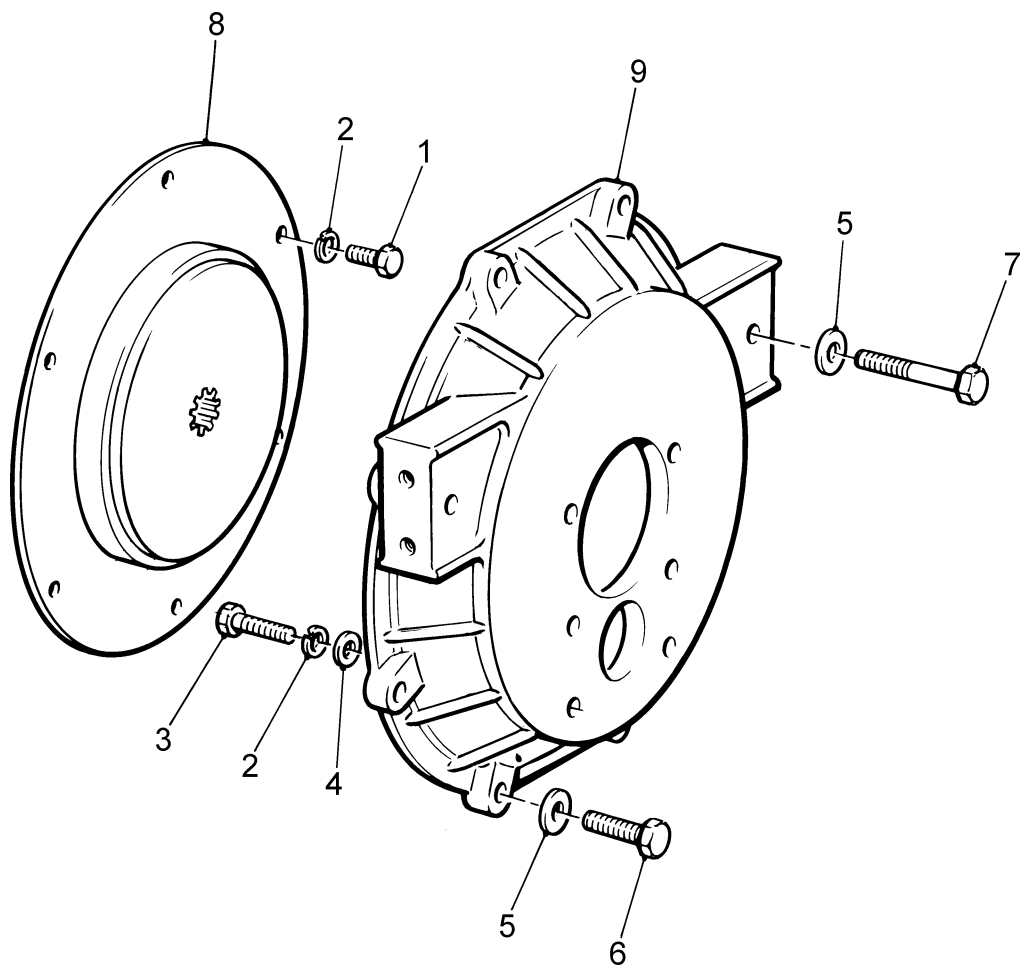
Saildrive Kit - LPW/S2 Marine

Illustration LPM57

LPW/LPWS

No.	Description	Part Number	2	3	4	Remarks
	Accessory Kit Code MVX	750-63181	1	-	-	
-	Saildrive Unit	757-62550	1	-	-	
1	Screw - M8 x 16mm	272-00038	6	-	-	
2	Spring Washer	272-00360	12	-	-	
3	Bolt - M8 x 30mm	272-00666	6	-	-	
4	Washer - M8	272-00715	6	-	-	
5	Washer - M10	272-00694	8	-	-	
6	Screw - M10 x 30mm	272-00697	6	-	-	
7	Bolt - M10 x 60mm	272-00731	2	-	-	
8	Damper Driver Plate	362-03100	1	-	-	
9	Adaptor	757-61710	1	-	-	
10	Elbow	757-62560	1	-	-	
11	Hose	854-00926	1	-	-	
12	Hose Clip	027-04686	2	-	-	

Illustration LPM57



Electric Start Panel - LPW/S

Illustration LP91

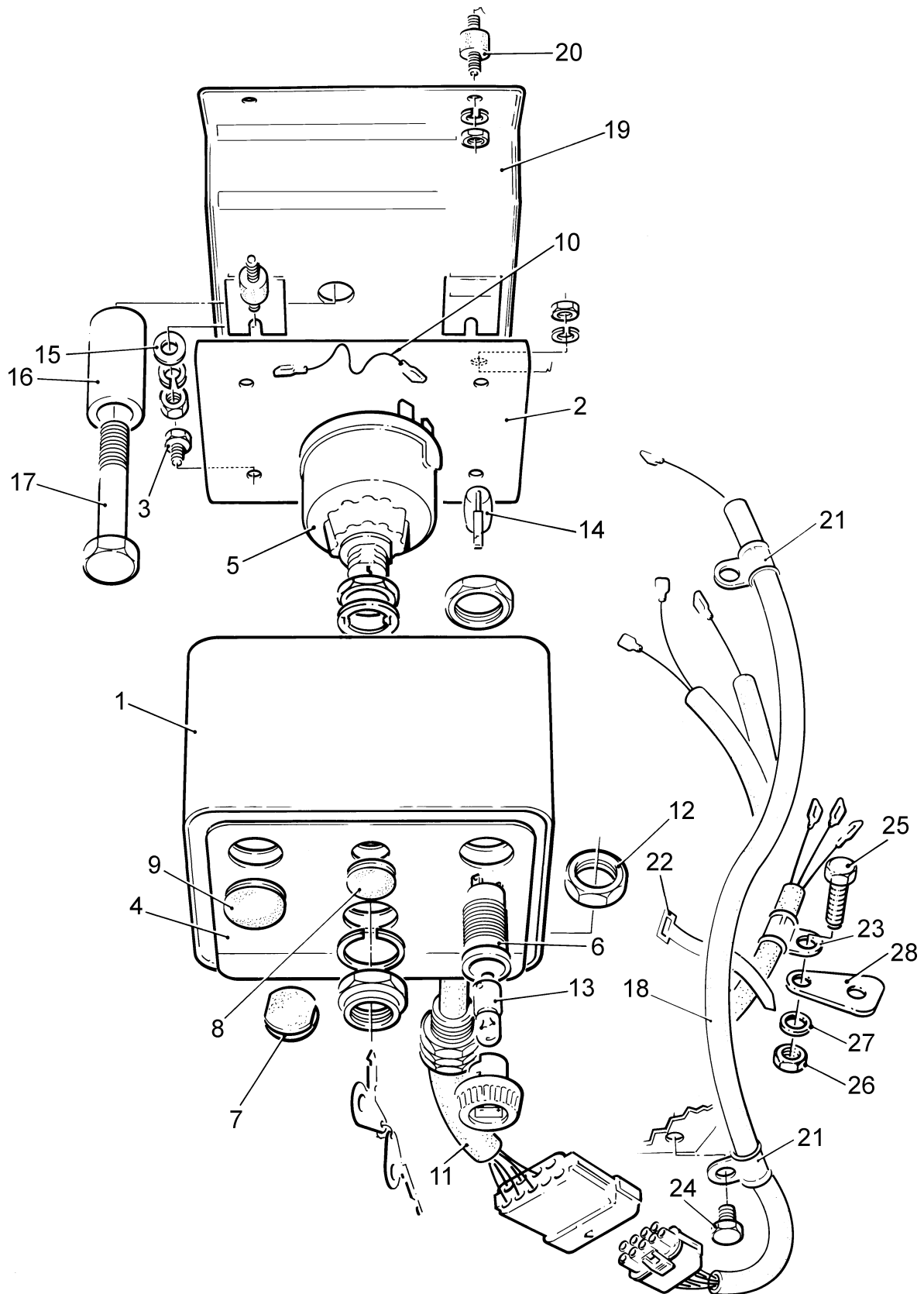
LPW/LPWS

No.	Description	Part Number	2	3	4	Remarks
	Accessory Kit Code WA	750-14900	1	-	-	Replaces 750-10520 to 750-10529
	Accessory Kit Code WA	750-14910	-	1	-	Replaces 750-10520 to 750-10529
	Accessory Kit Code WA	750-14920	-	-	1	Replaces 750-10520 to 750-10529
-	Panel Assembly	757-10619	1	1	1	Replaces 757-10616 to 757-10618
1	Panel	757-10366	1	1	1	Replaces 757-10364 & 757-10365
2	Backplate	757-10311	1	1	1	
3	Setscrew - M4 x 8mm	272-00699	4	4	4	
4	Label	027-10050	1	1	1	Replaces 027-10022
5	Keyswitch	366-06379	1	1	1	
6	Lamp Holder	757-10010	1	1	1	
7	Grommet	201-41840	1	1	1	
8	Grommet	201-45110	1	1	1	
9	Blanking Plug	757-23550	1	1	1	Replaces 757-10700
10	Cable Link	757-11431	1	1	1	
11	Cable Loom	757-11375	1	1	1	Replaces 757-11373 & 757-11374
12	Locknut	757-16140	1	1	1	
13	Bulb	757-10030	1	1	1	
14	Excitation Resistance	366-07236	1	1	1	
15	Washer	272-00686	2	2	2	
16	Distance Piece	757-12140	3	3	3	
17	Bolt - M10 x 75mm	272-00129	3	3	3	
18	Cable Loom	757-26020	1	1	1	Replaces 757-11325 to 757-11327
19	Mounting Bracket	757-10302	1	1	1	Replaces 757-10301
20	Anti-vibration Mounting	757-10320	4	4	4	
21	Cable Clip	382-08078	2	2	2	
22	Cable Tie	064-32790/001	5	5	5	
23	Cable Clip	382-08256	1	1	1	
24	Screw - M8 x 10	272-00767	1	1	1	
25	Screw - M6 x 12	272-00660	1	1	1	
26	Nut - M6 x 1.0	272-00679	1	1	1	
27	Washer	272-00688	1	1	1	
28	Earth Terminal Adaptor	757-22360	1	1	1	
	Connection Diagram	742-00808				

Notes:

This panel can only be fitted with early type fuel filter (featured earlier in book with Illustration LP180) and early fuel lift pump fittings shown in 'Fuel Lift Pump - Pienne' section (featured earlier in book with Illustration LP120).

Illustration LP91



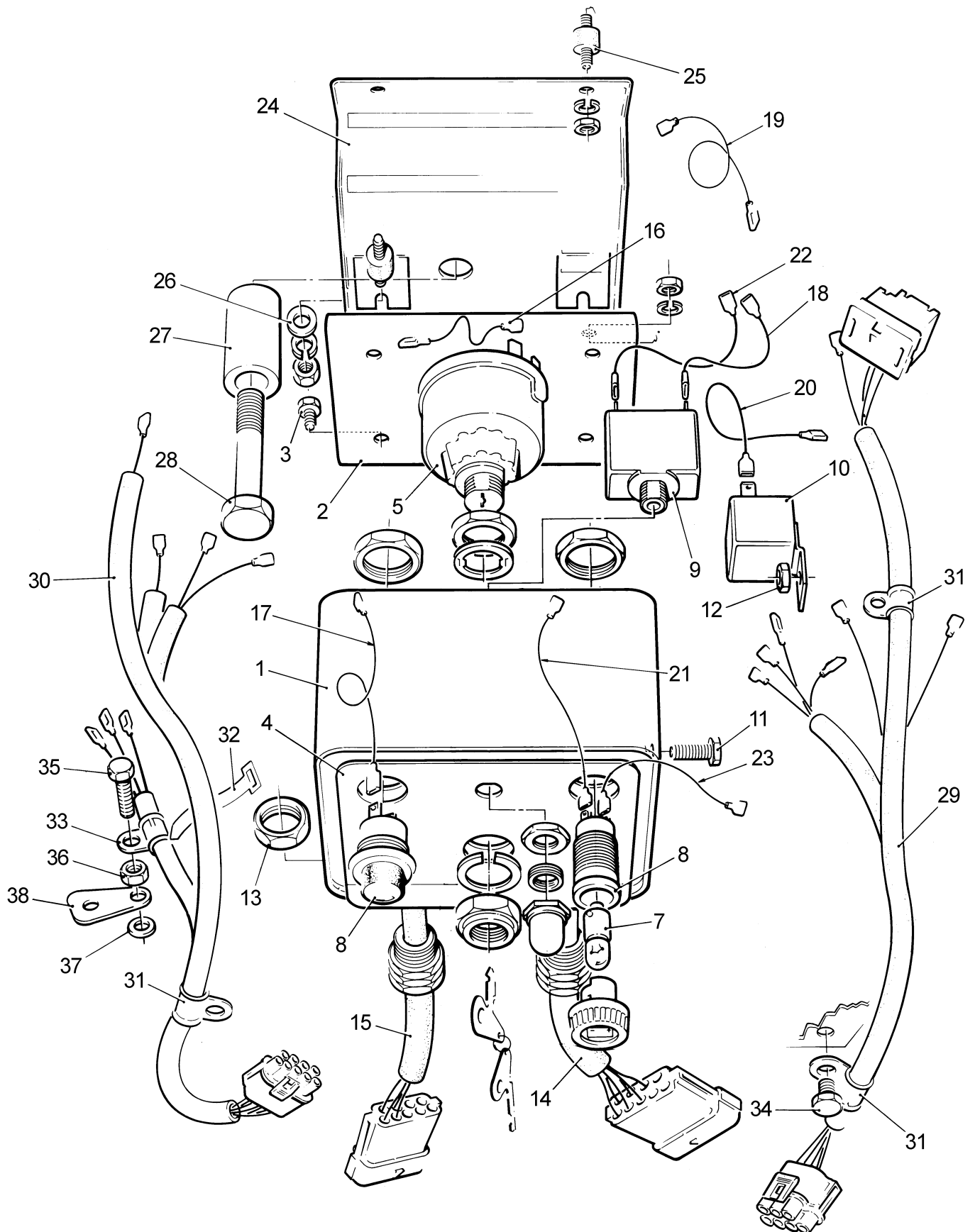
Electric Start Panel with Protection Shutdown - LPW/S

Illustration LP85		LPW/LPWS			
No.	Description	Part Number	2	3	4 Remarks
	Accessory Kit Code WC	750-42890	1	-	- Replaces 750-40110 to 750-40119, 750-42610 & 750-42611
	Accessory Kit Code WC	750-42900	-	1	- Replaces 750-40110 to 750-40119, 750-42610 & 750-42611
	Accessory Kit Code WC	750-42910	-	-	1 Replaces 750-40110 to 750-40119, 750-42610 & 750-42611
-	Panel Assembly	757-14619	1	1	1 Replaces 757-14616/7/8
1	Panel	757-10366	1	1	1 Replaces 757-10364/5
2	Backplate	757-10311	1	1	1
3	Setscrew - M4 x 8mm	272-00699	4	4	4
4	Label	027-10050	1	1	1 Replaces 027-10022
5	Keyswitch	366-06379	1	1	1 Replaces 757-16570
6	Lamp Holder	757-10010	1	1	1
7	Lamp	757-10030	1	1	1
8	Push Button	757-23540	1	1	1 Replaces 366-06378
9	Circuit Breaker - 6A	366-08092	1	1	1 Replaces 757-20360. See Note ¹
10	Relay	382-07974	2	2	2
11	Setscrew - M5 x 10mm	272-00690	2	2	2
12	Nut	272-00678	2	2	2
13	Locknut	757-16140	2	2	2
14	Electric Start Cable Loom	757-11375	1	1	1 Replaces 757-11372/3/4
15	Protection Switches Cable Loom	757-11396	1	1	1 Replaces 757-11392/3/4/5
16	Cable Link	757-11460	1	1	1
17	Cable Link		1	1	1
18	Cable Link		1	1	1
19	Cable Link		1	1	1
20	Cable Link		1	1	1
21	Cable Link		1	1	1
22	Cable Link		1	1	1
23	Cable Link		1	1	1
-	Loom Assembly	757-11472	1	1	1
24	Mounting Bracket	757-10302	1	1	1 Replaces 757-10301
25	Anti-vibration Mounting	757-10320	4	4	4
26	Washer	272-00686	2	2	2
27	Distance Piece	757-12140	3	3	3
28	Bolt - M10 x 75mm	272-00129	3	3	3
29	Cable Loom	757-26020	1	1	1 Replaces 757-11322/3/4/5/6/7
30	Cable Loom	757-11365	1	1	1 Replaces 757-11361/2/3/4
31	Cable Clip	382-08078	2	2	2
32	Cable Tie	064-32790/001	9	9	9
33	Cable Clip	382-08256	1	1	1
34	Screw - M8	272-00767	1	1	1
35	Screw - M6	272-00660	1	1	1
36	Nut - M6	272-00679	1	1	1
37	Washer	272-00688	1	1	1 Not fitted on early engines
38	Earth Terminal Adaptor	757-22360	1	1	1 Not fitted on early engines
	Connection Diagram	742-00808			

Notes:

1. Early panels were fitted with fuse holder (382-08042) and fuse link (382-08043 or 382-09040).
These items are now replaced by a Circuit Breaker.
Before fitting the breaker it will be necessary to enlarge the hole in the panel.
2. This panel can only be fitted with early type fuel filter (featured earlier in book with Illustration LP180) and early fuel lift pump fittings shown in 'Fuel Lift Pump - Pienne' section (featured earlier in book with Illustration LP120).

Illustration LP85



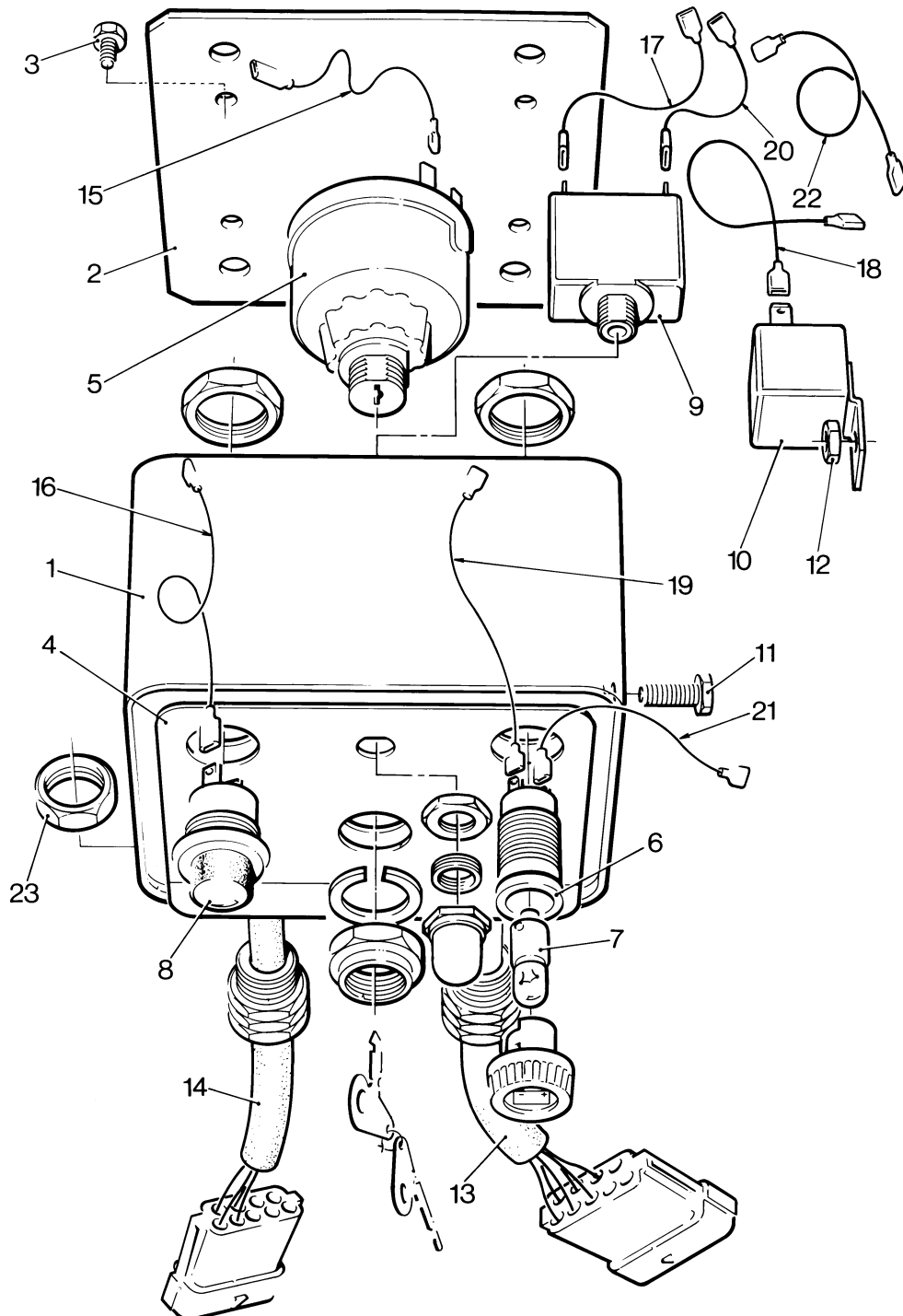
Remote Electric Start Panel

Illustration LP75 No. Description	Part Number	LPW/S/T			Remarks
		2	3	4	
Accessory Kit Code WS	750-10568	1	1	1	Replaces 750-10565/6/7
Accessory Kit Code WT	750-43800	1	1	1	
- Electric Start Protection Panel Assembly	757-14629	1	1	1	Replaces 757-14626/7/8
- Electric Start Panel	757-27450	1	1	1	Code WT
1 Panel Assembly	757-10366	1	1	1	Replaces 757-10364/5
2 Backplate	757-10401	1	1	1	
3 Setscrew - M4 x 8mm	272-00699	4	4	4	
- Screw	064-35576	4	4	4	Code WT
4 Label	027-10050	1	1	1	Replaces 027-10022
- Label	027-10182	1	1	1	Code WT
5 Keyswitch	366-06379	1	1	1	
- Keyswitch	757-22090	1	1	1	Code WT
6 Lamp Holder	757-10010	1	1	1	
7 Bulb	757-10030	1	1	1	
8 Push Button	757-23540	1	1	1	Replaces 366-06378
- Button - Helvin	064-13033/008	1	1	1	Code WT
9 Circuit Breaker - 6A	366-08092	1	1	1	Replaces 757-20360. See Note
10 Relay	382-07974	2	2	2	
- Relay	382-07974	2	2	2	Code WT
11 Setscrew - M5 x 10mm	272-00690	2	2	2	
- Screw	064-06772/011	2	2	2	Code WT
12 Nut	272-00678	2	2	2	
- Nut	064-06611/002	2	2	2	Code WT
13 Electric Start Cable Loom	757-11375	1	1	1	Replaces 757-11373/4
- Cable Loom - Engine To Panel	757-27460	1	1	1	Code WT
14 Protection Switches Cable Loom	757-11396	1	1	1	Replaces 757-11393/4/5
- Cable Tie	064-32790/001	6	6	6	Code WT
15 Cable Link	757-11431	1	1	1	
16 Cable Link		1	1	1	
17 Cable Link		1	1	1	
18 Cable Link		1	1	1	
19 Cable Link		1	1	1	
20 Cable Link		1	1	1	
21 Cable Link		1	1	1	
22 Cable Link		1	1	1	
- Cable Link		1	1	1	Code WT
- Cable Link		1	1	1	Code WT
23 Locknut	757-16140	2	2	2	
- Loom Assembly	757-11472	1	1	1	
- Plug	272-00370	1	1	1	Code WT
- Screw - M6 x 12mm	272-00660	1	1	1	Code WT
- Nut - M6	272-00679	1	1	1	Code WT
- Washer - M6	272-00688	1	1	1	Code WT
- Screw - M5 x 10mm	272-00690	2	2	2	Code WT
- Screw - M8 x 8mm	272-00727	1	1	1	Code WT
- Run Hour Recorder	329-26980	1	1	1	Code WT
- Cable Clip	382-08078	2	2	2	Code WT
- Cable Clip	382-08256	1	1	1	Code WT
- Cable Clip	382-08964	1	1	1	Code WT
- Earth Terminal	757-22360	1	1	1	Code WT
- Front Plates	757-27470	1	1	1	Code WT
- Back Box Panel	757-27760	1	1	1	Code WT
- Seal	757-27820	1	1	1	Code WT
- Screw Seals	786703	4	4	4	Code WT

Note:

Replaces the fuse holder. Before fitting the breaker it will be necessary to enlarge the hole in the panel.

Illustration LP75



Basic Electric Start Panel - LPW/S Marine (Early Type)

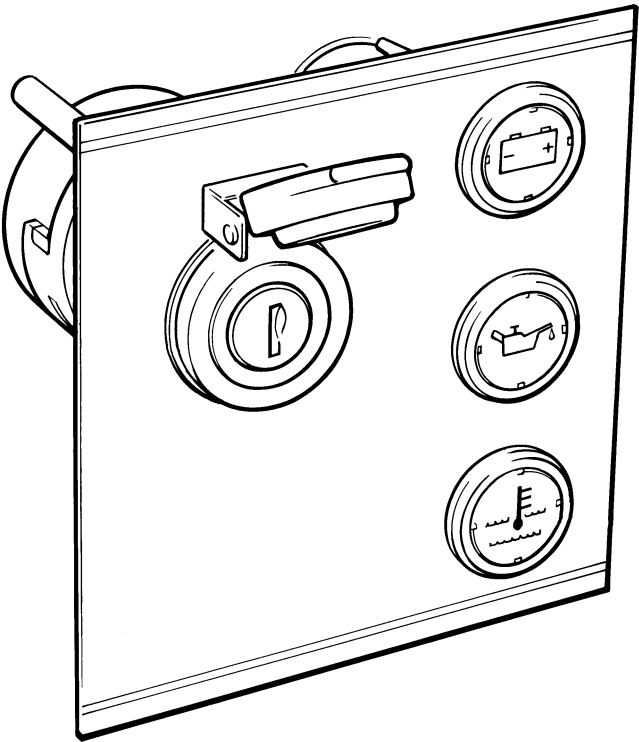
Insulated Return

Illustration LPM26

Description

Description	Part Number	LPW/LPWS			Remarks
		2	3	4	
Former Accessory Kit Code MWA	750-60310	1	1	1	
Panel Assembly	803-02429	1	1	1	
Cable Assembly	854-00609	1	1	1	
Cable Loom	757-60230	1	1	1	Replaces 064-40760
Relay	064-40953	1	1	1	
Relay Bracket	803-02167	1	1	1	
Intermediate Harness	362-03105	1	1	1	4m long
Sender	362-03109	1	1	1	
Adaptor	362-03195	1	1	1	
Pipe Clip	389-04686	1	1	1	
Spring Washer	786377	2	2	2	
Oil Pressure Switch	803-02261	1	1	1	

Illustration LPM26



De-luxe Electric Start Panel - LPW/S Marine (Early Type)

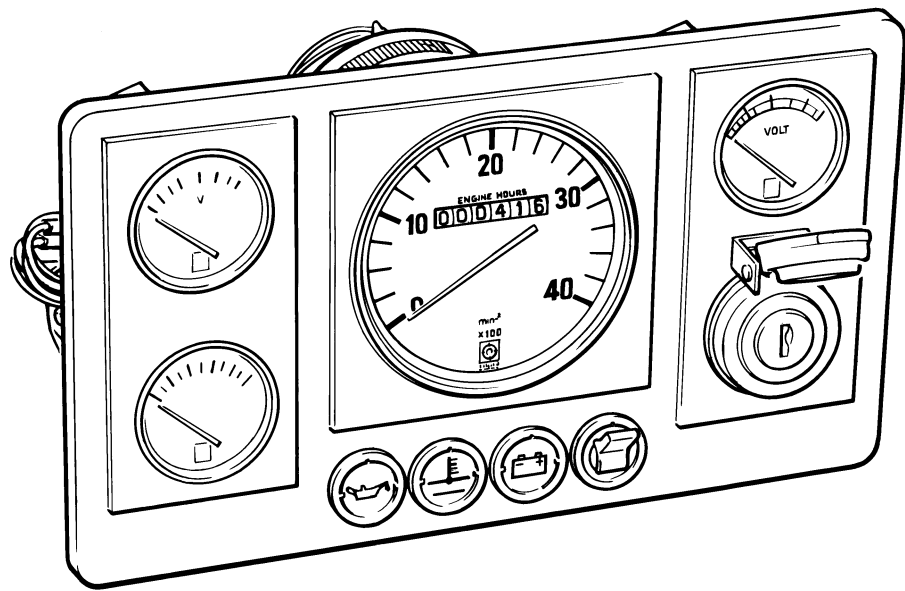
Insulated Return

Illustration LPM27

Description

Description	Part Number	LPW/LPWS			Remarks
		2	3	4	
Former Accessory Kit Code MWB - LPW/S2	750-60320	1	-	-	
Former Accessory Kit Code MWB - LPW/S3	750-60860	-	1	-	
Former Accessory Kit Code MWB - LPW/S4	750-61190	-	-	1	
Panel Assembly	803-02294	1	1	1	
Relay	064-40953	1	1	1	
Engine Temperature Sender	362-02594	1	1	1	
Temperature Switch	362-03109	1	1	1	
Pipe Clip	389-04686	1	1	1	
Spring Washer	786377	2	2	2	
Oil Pressure Sender	803-02174	1	1	1	
Cable Loom	757-60230	1	1	1	Replaces 064-40760
Cable Assembly	854-00609	1	1	1	

Illustration LPM27



Start Panels - Marine (Later Types)

Basic Panel - Illustration LPM40

No.	Description	Part Number	LPW/S/T			Remarks
			2	3	4	
	Accessory Kit Code MWL	750-63040	1	1	1	See Note ¹
1	Panel Assembly	757-60430	1	1	1	Use with Codes JG & MJL
2	Hour Recorder	800-06123/006	1	1	1	
3	Keyswitch	800-06203/001	1	1	1	
-	Key - 14607	757-22230	2	2	2	
-	Illumination Bulb	800-06004/002	4	4	4	
-	Audible Alarm	800-06123/007	1	1	1	
-	Connection Diagram	742-00746	1	1	1	

Standard Panel - Illustration LPM40

No.	Description	Part Number	LPW/S/T			Remarks
			2	3	4	
	Accessory Kit Code MWQ - Pleasure / Work Boat ..	750-62730	1	1	1	See Note ²
	Accessory Kit Code MWM - Canal Star only	750-62720	1	1	1	See Note ²
4	Panel Assembly	757-61400	1	1	1	MWQ. Use with Codes JG & MJL
-	Panel Assembly	757-60440	1	1	1	MWM
5	Tachometer - 809 Hz	800-06123/004	1	1	1	MWQ
-	Tachometer - 1115 Hz	800-06123/005	1	1	1	MWM
3	Keyswitch	800-06203/001	1	1	1	
-	Key - 14607	757-22230	2	2	2	
-	Illumination Bulb	800-06004/002	6	6	6	
-	Audible Alarm	800-06123/007	1	1	1	
-	Connection Diagram	742-00747	1	1	1	

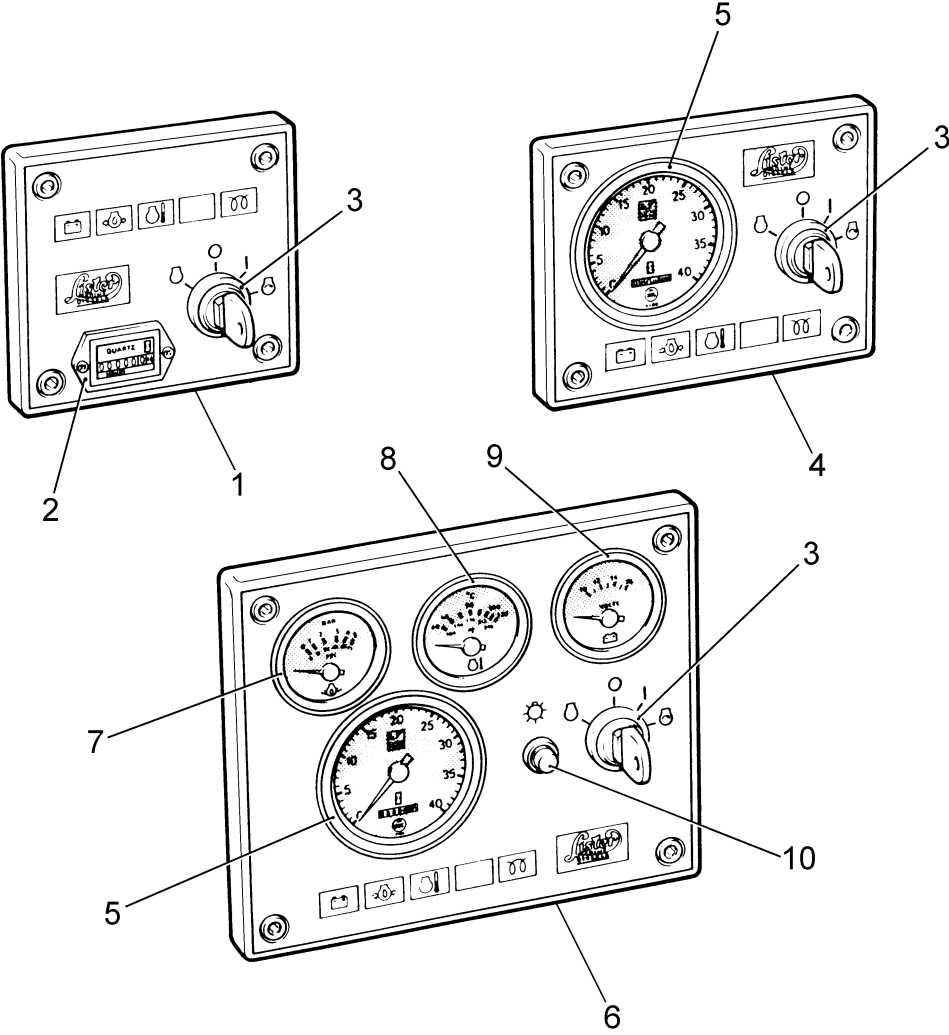
Deluxe Panel - Illustration LPM40

No.	Description	Part Number	LPW/S/T			Remarks
			2	3	4	
	Accessory Kit Code MWR - Pleasure / Work Boat ..	750-63060	1	1	1	See Note ³
	Accessory Kit Code MWN - Canal Star only	750-63050	1	1	1	See Note ³
6	Panel Assembly	757-61540	1	1	1	MWR. Use with Codes MJM & MJN
-	Panel Assembly	757-60450	1	1	1	MWN
5	Tachometer - 809 Hz	800-06123/004	1	1	1	MWR
-	Tachometer - 1115 Hz	800-06123/005	1	1	1	MWN
7	Low Oil Pressure Gauge	800-06123/003	1	1	1	
8	Temperature Gauge	800-06123/002	1	1	1	
9	Voltmeter	800-06123/001	1	1	1	
3	Keyswitch	800-06203/001	1	1	1	
-	Key - 14607	757-22230	2	2	2	
10	Lightswitch	800-06023/002	1	1	1	
-	Illumination Bulb	800-06004/002	9	9	9	
-	Audible Alarm	800-06123/007	1	1	1	
-	Connection Diagram	742-00748	1	1	1	

Notes:

- 1) Code MWL includes keyswitch & running hour recorder plus warning lights and audible alarm for oil pressure, high water temperature and no charge.
- 2) As Code MWL but includes tachometer.
- 3) As Code MWL but includes tachometer, gauges for oil pressure, water temperature, voltmeter.

Illustration LPM40



Wiring Looms

Engine to Terminal Block

Not Illustrated		LPW/S/T				
No.	Description	Part Number	2	3	4	Remarks
	Accessory Kit Code WE	750-10544	1	1	1	Replaces 750-10540/1/2/3. No's 1-12
	Accessory Kit Code WG	750-10451	1	1	1	2m Harness Extension for WE. Replaces 750-10450.No.13 only.
1	Heatshrink Sleeve	027-10107	1	1	1	
2	Cable Clip	382-08078	2	2	2	
3	Pin Moulding - 9 way	757-10051	1	1	1	
4	Cable Loom	757-26020	1	1	1	Replaces 757-11326/7
5	Cable Clip	382-08256	1	1	1	
6	Pin	757-10071	4	4	4	
7	Screw - M8 x 10	272-00767	1	1	1	
8	Keeper Bar - 9 way	757-15940	1	1	1	
9	Screw - M6 x 12	272-00660	1	1	1	
10	Nut - M6 x 1.0	272-00679	1	1	1	
11	Washer	272-00688	1	1	1	
12	Earth Terminal Adaptor	757-22360	1	1	1	
13	Cable Loom	757-11403	1	1	1	Code WG. Replaces 757-11402
-	Connection Diagram	742-00808	1	1	1	

Engine to Terminal Block with Protection Switches

Not Illustrated		LPW/S/T			Remarks	
No.	Description	Part Number	2	3		4
	Accessory Kit Code WF	750-40127	1	1	1	Replaces 750-40120/1/2/3/4/5/6. No's 1-17
	Accessory Kit Code WH	750-10462	1	1	1	2m Harness Extension for WF. Replaces 750-10461. No. 18 only
1	Heatshrink Sleeve	027-10107	2	2	2	
2	Cable Clip	382-08078	2	2	2	
3	Pin Moulding - 9 way	757-10051	1	1	1	
4	Pin Moulding - 7 way	757-10091	1	1	1	
5	Cable Loom	757-11365	1	1	1	Replaces 757-11361/2/3/4
6	Cable Loom	757-26020	1	1	1	Replaces 757-11326/7
7	Cable Clip	382-08256	1	1	1	
8	Pin	757-10071	4	4	4	
9	Cable Tie	064-32790/001	9	9	9	
10	Pin	757-10081	3	3	3	
11	Screw - M8 x 10	272-00767	1	1	1	
12	Keeper Bar - 7 way	757-15930	1	1	1	
13	Keeper Bar - 9 way	757-15940	1	1	1	
14	Screw - M6 x 12	272-00660	1	1	1	
15	Nut - M6 x 1.0	272-00679	1	1	1	
16	Washer	272-00688	1	1	1	
17	Earth Terminal Adaptor	757-22360	1	1	1	
18	Cable Loom	757-11424	1	1	1	Code WH. Replaces 757-11423
-	Connection Diagram	742-00808	1	1	1	

Earth Return Wiring Loom - LPW Marine

Alpha 20DI/30DI/40DI Description	Part Number	LPW			Remarks
		2	3	4	
Accessory Kit Code MWF	750-62484	1	1	1	Replaces 750-62482 & 750-62483
Cable Loom	757-60851	1	1	1	No longer fitted
Heat Shrink Tubing	027-10092	1	1	1	No longer fitted
Cable Loom and Relay Box	757-62131	1	1	1	Replaces 757-62130
Extension Loom Assembly	757-60930	1	1	1	
Bracket	757-62160	1	1	1	No longer fitted
Earth Terminal Adaptor	757-22360	1	1	1	
Screw - M6 x 12mm	272-00660	1	1	1	
Nut - M6	272-00679	1	1	1	
Washer - M6	272-00688	1	1	1	
Pipe Clip	389-04686	1	1	1	
Cable Clip	382-08078	1	1	1	
Cable Tie	064-32790/001	5	5	5	
Connection Diagram	742-00802	1	1	1	Replaces 742-00812

Earth Return Wiring Loom - LPWS Marine (Early Type)

Canal Star & Alpha 20/30/40 Description	Part Number	LPWS			Remarks
		2	3	4	
Early Type Accessory Kit Code MWH	750-62472	1	1	1	Replaced by 750-62473 (below)
Cable Loom	757-60631	1	1	1	
Heat Shrink Tubing	027-10092	1	1	1	
Extension Loom Assembly	757-60930	1	1	1	
Controller	757-23720	1	1	1	
Screw	272-00728	1	1	1	
Spring Washer	786377	1	1	1	
Nut - M5	272-00678	1	1	1	
Earth Terminal Adaptor	757-22360	1	1	1	
Screw - M6 x 12mm	272-00660	1	1	1	
Nut - M6	272-00679	1	1	1	
Washer - M6	272-00688	1	1	1	
Cable Clip	382-08964	1	1	1	
Cable Clip	382-08079	1	1	1	
Cable Tie	064-32790/001	5	5	5	
Connection Diagram	742-00811	1	1	1	

Earth Return Wiring Loom - LPWS & LPWT4 Marine

LPWT4, Canal Star & Alpha 20/30/40 Description	Part Number	LPWS/T			Remarks
		2	3	4	
Accessory Kit Code MWH	750-62474	1	1	1	Replaces 750-62473
Cable Loom and Relay Box	757-62131	1	1	1	Replaces 757-62130
Controller	757-23720	1	1	1	
Extension Loom Assembly	757-60930	1	1	1	
Bracket	757-62160	1	1	1	No longer fitted
Earth Terminal Adaptor	757-22360	1	1	1	
Screw - M6 x 12mm	272-00660	1	1	1	
Nut - M6	272-00679	1	1	1	
Washer - M6	272-00688	1	1	1	
Cable Clip	382-08078	1	1	1	
Cable Tie	064-32790/001	5	5	5	
Connection Diagram	742-00802	1	1	1	
Spacer	354-24890	4	4	4	
Spacer	757-62830	2	2	2	No longer fitted
Pipe Clip	389-04686	2	2	2	

Insulated Return Wiring Loom - Marine (Early Type)

Insulated Return Description	Part Number	LPW/S/T			Remarks
		2	3	4	
Cable Loom	757-61391	1	1	1	Replaced by later type (below)
Heat Shrink Tubing	027-10092	1	1	1	
Extension Loom Assembly	757-60930	1	1	1	
Controller	757-23720	1	1	1	
Screw	272-00728	1	1	1	
Spring Washer	786377	1	1	1	
Nut - M5	272-00678	1	1	1	
Cable Clip	382-08964	1	1	1	
Cable Clip	382-08078	1	1	1	
Cable Tie	064-32790/001	5	5	5	
Connection Diagram	742-00813	1	1	1	
Label	027-10140	1	1	1	

Insulated Return Wiring Loom - Marine (Later Type)

Insulated Return Description	Part Number	LPW/S/T			Remarks
		2	3	4	
Accessory Kit Code MWI - LPW/S2,3,4 & LPWT4	750-62714	1	1	1	Replaces 750-62713 & 750-62712 (above)
Extension Loom Assembly	757-60930	1	1	1	
Cable Assembly	757-61410	1	1	1	Replaces 757-62870
Cable Loom & Relay Assembly	757-62121	1	1	1	Replaces 757-62120
Bracket	757-20790	1	1	1	Replaces 757-62170
Nut - M5	272-00678	2	2	2	
Washer	272-00687	2	2	2	
Screw - M5	272-00728	2	2	2	
Solenoid	351-31480	1	1	1	
Cable Clip	382-08079	1	1	1	
Cable Tie	064-32790/001	5	5	5	
Connection Diagram	742-00803	1	1	1	
Label - Tie on	027-10183	1	1	1	Replaces 027-10140
Washer 5/16" dia	354-24890	4	4	4	

Earthing Solenoid - Marine

Not Illustrated Description	Part Number	LPW/S/T			Remarks
		2	3	4	
Accessory Kit Code MWS	750-63720	1	1	1	For use with Starter Motors EB & EC if MWI not fitted
Label	027-10140	1	1	1	
Nut - M5	272-00678	2	2	2	
Washer - M5	272-00687	2	2	2	
Screw - M5 x 12mm	272-00728	2	2	2	
12V Solenoid	351-31480	1	1	1	
Relay Mounting Bracket	757-20790	1	1	1	
Cable Assembly	757-61410	1	1	1	Replaces 757-62870, 757-61410

Wiring Harness for Fuel Control Solenoid - Marine (Early Type)

Not Illustrated Description	Part Number	LPW/S/T			Remarks
		2	3	4	
Cable Loom Assembly	757-60841	1	1	1	
12V Relay	382-07974	1	1	1	
Screw - M5	272-00728	1	1	1	
Spring Washer	786377	1	1	1	
Nut - M5	272-00678	1	1	1	
Circuit Breaker	366-08092	1	1	1	
Cable Tie	064-32790/001	1	1	1	

Wiring Harness for Fuel Control Solenoid - Marine (Later Type)

Not Illustrated Description	Part Number	LPW/S/T			Remarks
		2	3	4	
Accessory Kit Code MWJ	750-62492	1	1	1	Replaces 750-62491 (above)
Circuit Breaker	366-08092	1	1	1	
Relay	757-62250	1	1	1	
Cable Assembly	757-62300	1	1	1	

4 Metre Harness Extension - Marine

Not Illustrated Description	Part Number	LPW/S/T			Remarks
		2	3	4	
Accessory Kit Code MWK	750-62500	1	1	1	Maximum of 2 per installation
Extension Loom Assembly	757-60930	1	1	1	

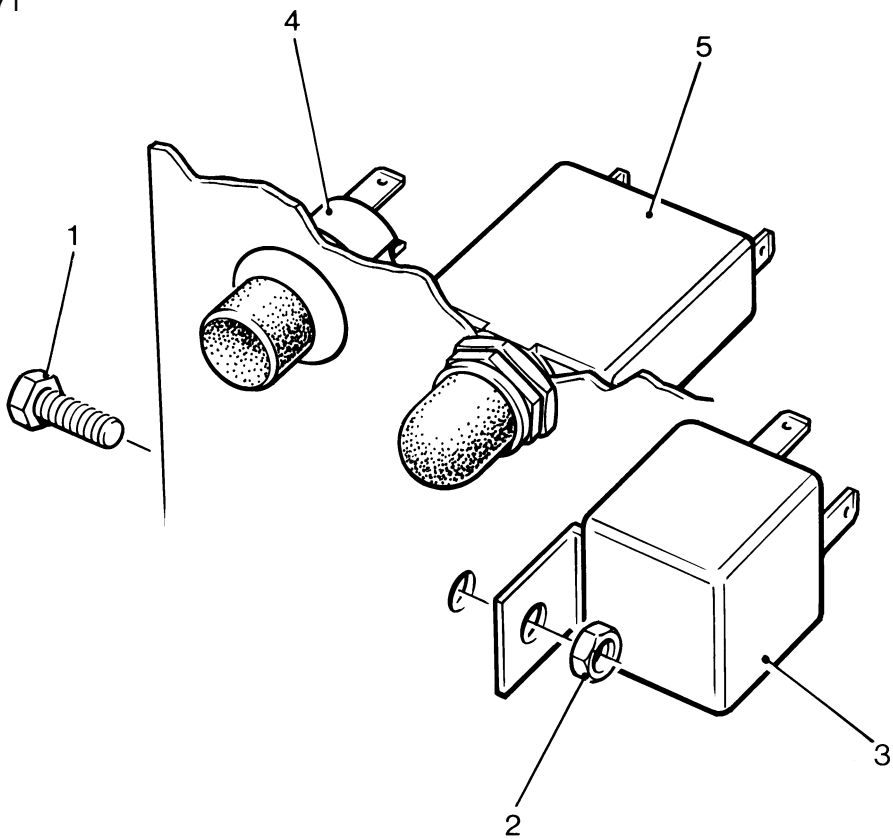
Circuit Breaker Kit

Not Illustrated Description	Part Number	LPW/S/T			Remarks
		2	3	4	
Accessory Kit Code WJ	750-15220	1	1	1	Included in Codes MWJ, WC, WS, WU
Circuit Breaker	366-08092	1	1	1	

Engine Protection Relay

Illustration LP71		LPWS/T				
No.	Description	Part Number	2	3	4	Remarks
	Accessory Kit Code WU	750-10426	1	1	1	Replaces 750-10424
1	Setscrew - M5 x 10mm	272-00690	2	2	2	
2	Nut.....	272-00678	2	2	2	
3	Relay - 28RA	382-07974	2	2	2	
4	Push Button	757-23540	1	1	1	Replaces 366-06378
5	Circuit Breaker.....	366-08092	1	1	1	Replaces 757-20360
	Connection Diagram	742-00712				

Illustration LP71



Starter Solenoid - LPW/S

4ST Type

Illustration LP69

No. Description

LPW/LPWS

Part Number 2 3 4 Remarks

1	Solenoid	351-31480	1	1	1	See Note
2	Nut.....	064-31345	2	2	2	
3	Spring Washer.....	064-31346	2	2	2	

Insulated Return - Marine

Illustration LPM29

No. Description

LPW/LPWS

Part Number 2 3 4 Remarks

	Accessory Kit Code MWE - LPW/S2	750-61950	1	-	-	
1	Solenoid	351-31480	2	-	-	See Note
2	Mounting Bracket	757-20790	1	-	-	
3	Anti-vibration Pad	064-29376	4	-	-	
4	Clamp Plate	064-29377	2	-	-	
5	Screw - M4 x 40mm	272-00293	2	-	-	
6	Self-lock Nut - 4mm	272-00471	2	-	-	
7	Plain Washer	064-06612/004	4	-	-	
8	Nut.....	064-31345	4	-	-	
9	Spring Washer.....	064-31346	4	-	-	
10	Cable Assembly	757-60170	1	-	-	Replaces 064-41975
11	Link Wire	064-41976	1	-	-	
12	Link Wire	064-41988	1	-	-	
-	Cable Loom Assembly.....	757-60270				Replaces 064-42061

Note:

Nuts and Spring Washers closest to Solenoid should never be removed, as this will cause the Solenoid to disassemble.

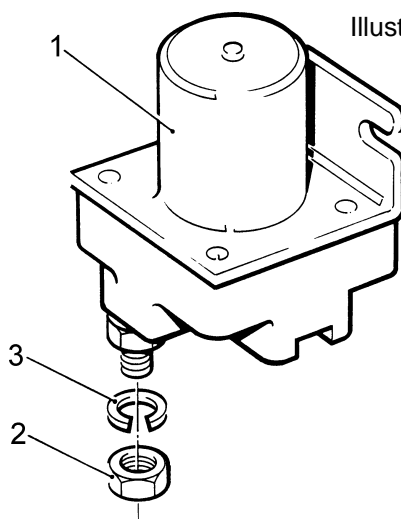


Illustration LP69

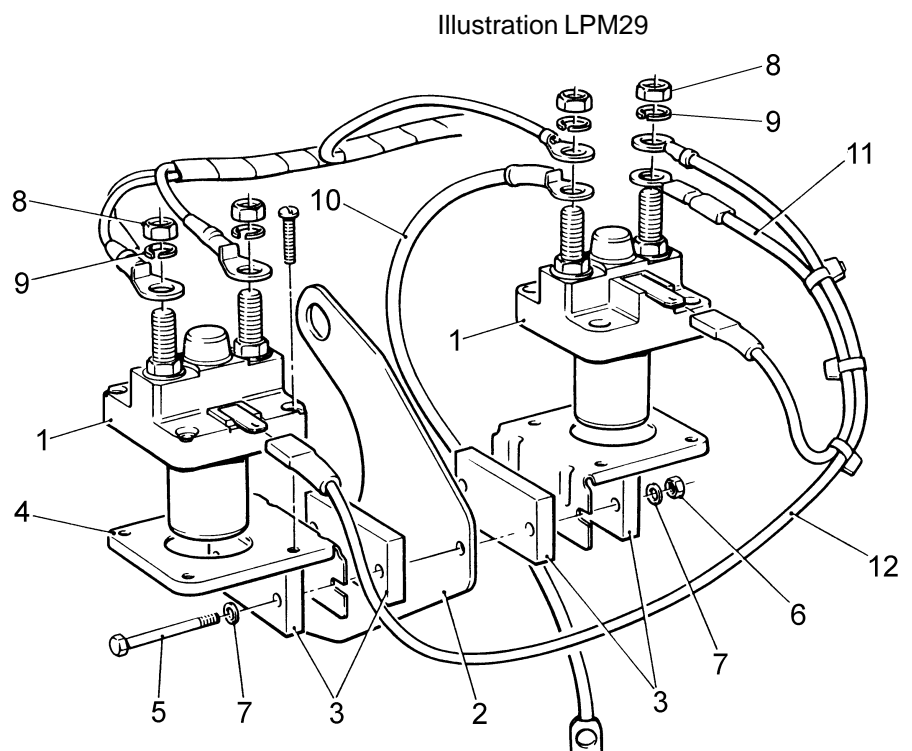


Illustration LPM29

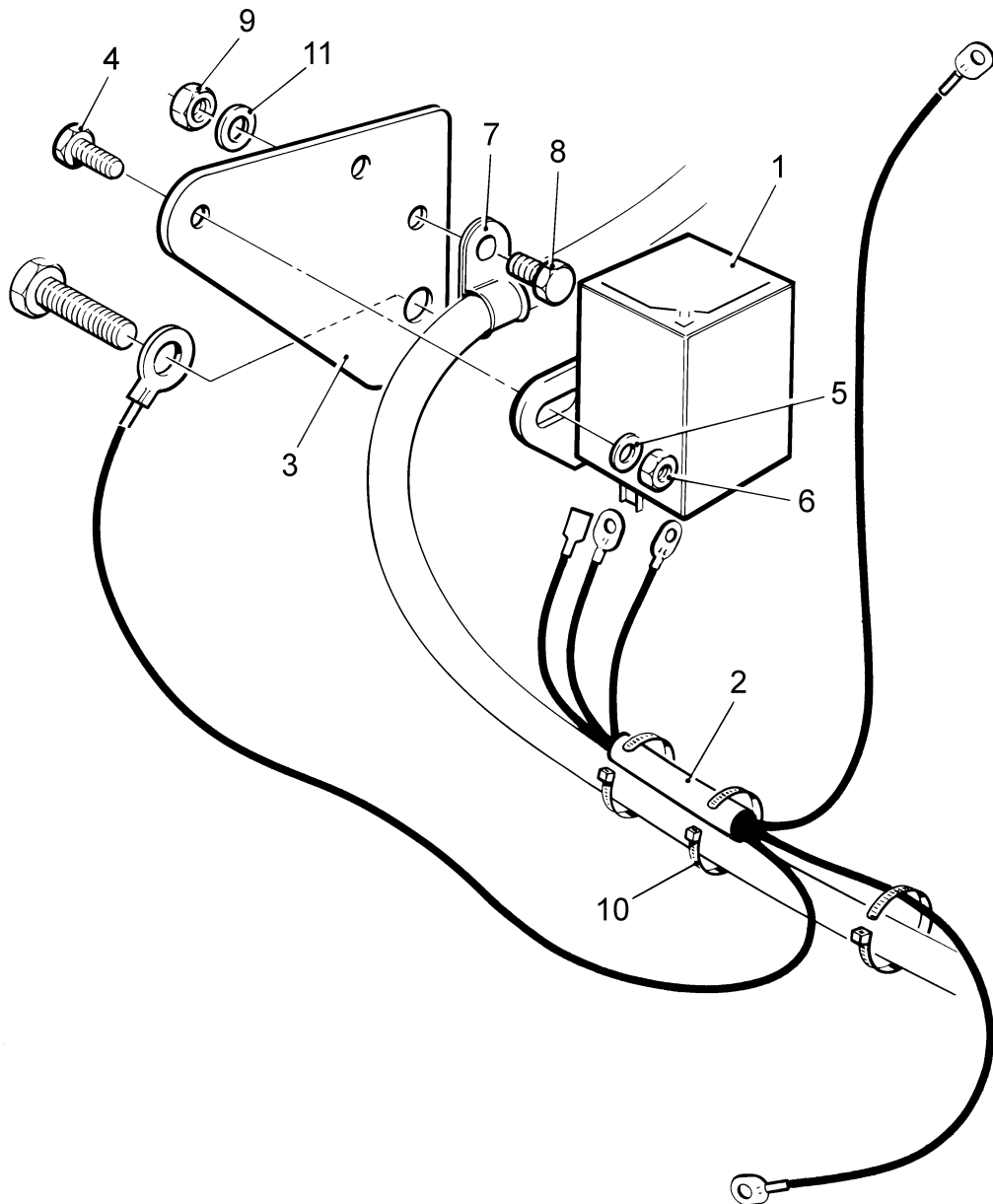
Starter Solenoid & Glow Plug Relay Kit

33RA Relay - replaces 4ST type

Illustration LP151

No.	Description	Part Number	LPW/S/T			Remarks
			2	3	4	
	Accessory Kit Code WW	750-13394	1	1	1	Starter Solenoid Kit. Replaces 750-13392. No's 1, 2, 3-11
	Accessory Kit Code WK	750-15780	1	1	1	Replaces 750-13392
	Accessory Kit Code WI - LPWS2,3,4 & LPWT4	750-40314	1	1	1	Glow Plug Relay Kit. LPWS/LPWT4 only. Replaces 750-40313. No's 1, 2, 3-11 & 757-22360
-	Relay and Cable Loom Assembly	757-24330	1	1	1	Code WW
-	Relay and Cable Loom Assembly	757-24320	1	1	1	Code WI
1	Relay	757-14981	1	1	1	
2	Cable Loom	757-21331	1	1	1	Code WW. Replaces 757-21330
-	Cable Loom	757-17063	1	1	1	Code WI
3	Mounting Bracket	757-20790	1	1	1	
4	Setscrew - M5 x 12mm	272-00728	2	2	2	
5	Washer	272-00687	2	2	2	
6	Nut	272-00678	2	2	2	
7	Clip	382-08256	1	1	1	Code WI
8	Setscrew - M6 x 12mm	272-00660	1	1	1	
9	Nut	272-00679	1	1	1	
10	Cable Tie	064-32790/001	3	3	2	Code WI
11	Washer - M6	272-00688	1	1	1	
-	Earth Terminal Adaptor	757-22360	1	1	1	Code WI
	Connection Diagram	742-00689				Code WW
	Connection Diagram	742-00712				Code WI

Illustration LP151



Keyswitch, Warning Lamp and Excitation Resistance

Warning Lamp

Illustration LP68

No.	Description	Part Number	LPW/S/T			Remarks
			2	3	4	
	Accessory Kit Code WY	750-10430	1	1	1	Charging indicator lamp
	Accessory Kit Code WQ	750-11120	1	1	1	Low oil pressure indicator lamp
	Accessory Kit Code WP	750-40350	1	1	1	Engine temperature indicator lamp
1	Lamp Holder	757-10010	1	1	1	Code WY
-	Lamp Holder	757-10020	1	1	1	Code WQ
-	Lamp Holder	757-10040	1	1	1	Code WP
2	Lamp	757-10030	1	1	1	
3	Excitation Resistance	366-07236	1	1	1	Code WY

Excitation Resistance

Not Illustrated

No.	Description	Part Number	LPW/S/T			Remarks
			2	3	4	
	Accessory Kit Code WD	750-15750	1	1	1	
	Excitation Resistance	064-17550/013	1	1	1	
	Push On Connector	064-33380/001	2	2	2	
	Insulation Cover	064-33991/001	2	2	2	
	Excitation Resistance Assembly	366-07236	1	1	1	
	Flexible Tubing	366-07237	2	2	2	
	Insulating Sleeve	382-08828	2	2	2	

Standard Keyswitch

Illustration LP68

No.	Description	Part Number	LPW/S/T			Remarks
			2	3	4	
	Accessory Kit Code WZ	572-56250	1	1	1	
4	Keyswitch	366-06379	1	1	1	
-	Key	366-08168	2	2	2	
5	Push-on Connector	064-33068/002	1	1	1	
6	Push-on Connector	064-33068/004	1	1	1	
7	Cover	064-33991/002	1	1	1	
8	Cover	064-33991/004	1	1	1	

Heavy Duty Keyswitch

Illustration LP157

No.	Description	Part Number	LPW/S/T			Remarks
			2	3	4	
	Accessory Kit Code WV	750-13840	1	1	1	
1	Keyswitch	757-22090	1	1	1	
2	Key	757-22230	2	2	2	
3	Cover	757-22100	1	1	1	
4	Cover	757-22110	1	1	1	

Illustration LP68

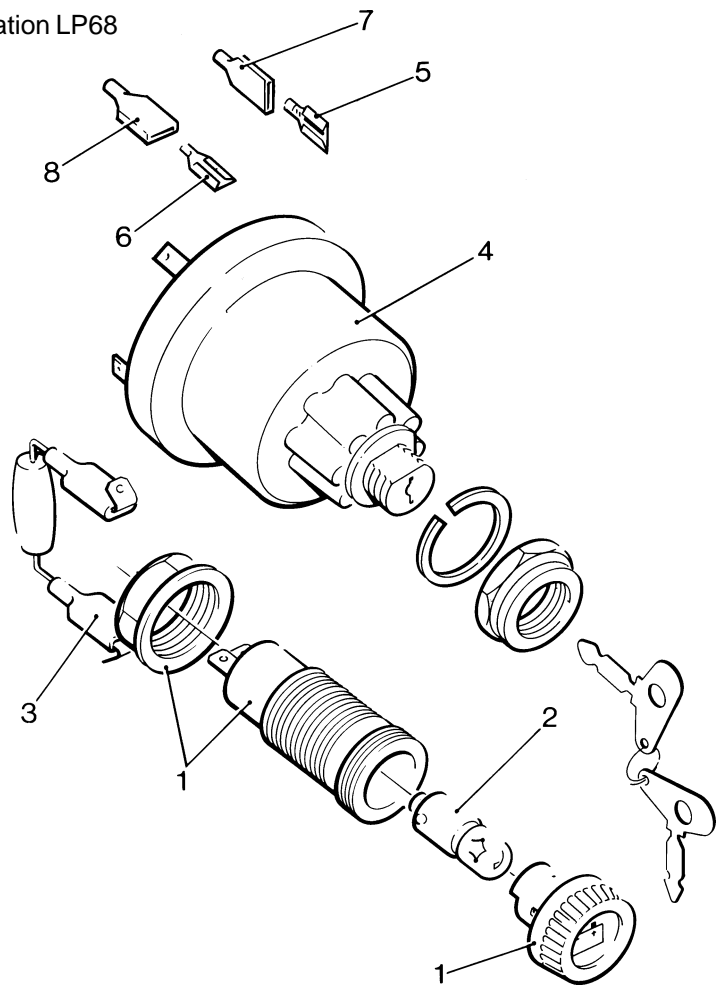
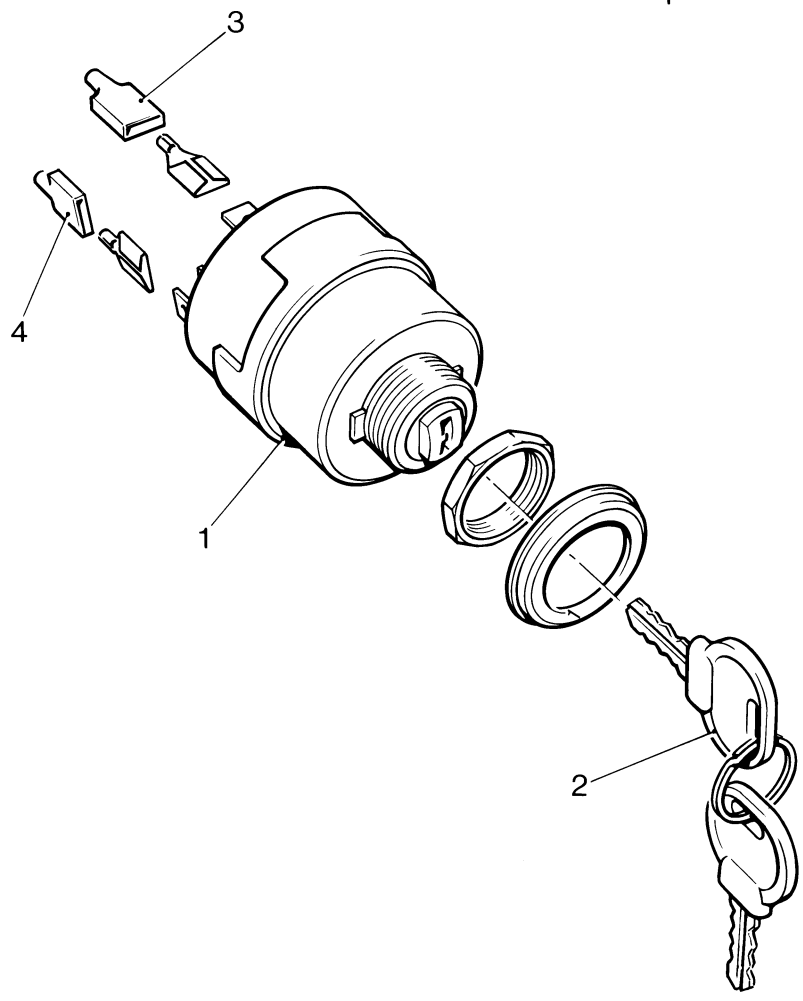


Illustration LP157



Stern gear and Couplings - Marine

Illustration LPM28

No. Description

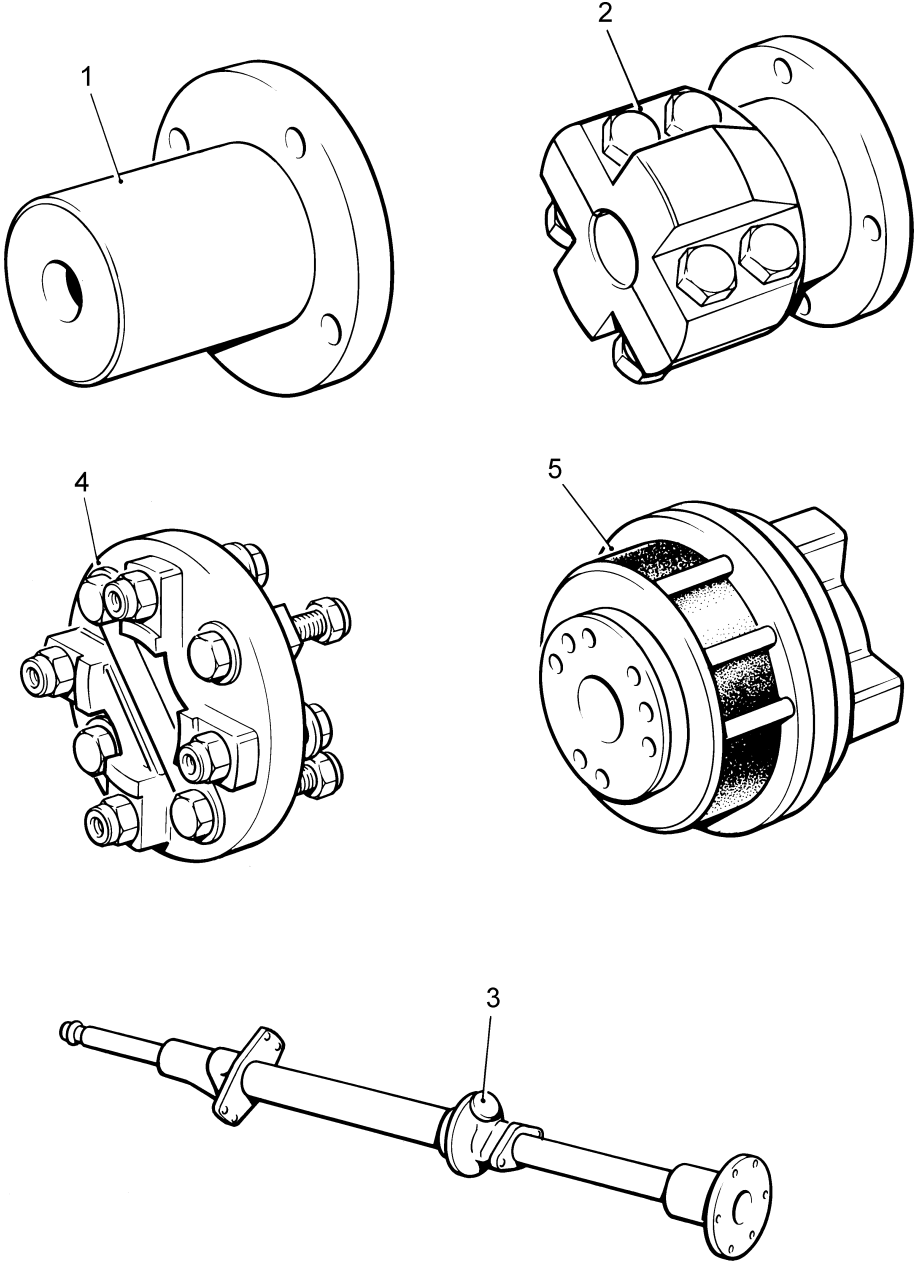
Part Number

LPW/S/T

2 3 4 Remarks

	Accessory Kit Code MYA	750-60640	1	1	1	Pilot Bored Tailshaft Coupling
	Accessory Kit Code MYB	750-60650	1	1	1	Split Boss Tailshaft Coupling 1" Bore for 1:1 Gearbox Reduction
	Accessory Kit Code MYC	750-60660	1	1	1	1" Diameter Tailshaft. See Note ¹
	Accessory Kit Code MYD	750-60670	1	1	1	1" Diameter Tailshaft. See Note ²
	Former Accessory Kit Code MYE	750-60680	1	1	1	1 1/4" Diameter Tailshaft. See Note ¹
	Former Accessory Kit Code MYF	750-60690	1	1	1	1 1/4" Diameter Tailshaft. See Note ²
	Accessory Kit Code MYG	750-60700	1	1	1	Flexible disc coupling (for use with Codes MYA, MYB & MYH)
	Accessory Kit Code MYH	750-60710	1	1	1	Split Boss Tailshaft Coupling. 1 1/4" Bore for 3:1 Gearbox Reduction
	Accessory Kit Code MYI	750-60720	1	1	1	25mm Bore Flex. Tailshaft Coupling
	Accessory Kit Code MYJ	750-60730	1	1	1	30mm Bore Flex. Tailshaft Coupling
	Accessory Kit Code MYK	750-61060	-	1	1	Flexible coupling disc
	Former Accessory Kit Code MYL	750-61370	-	-	1	Uniflex coupling 12
	Former Accessory Kit Code MYM	750-61380	-	1	1	Uniflex coupling 16
	Accessory Kit Code MYN	750-61840	-	-	1	Taper Shaft Coupling
1	Coupling - Pilot Bored	329410	1	1	1	Code MYA
2	Coupling - Split Boss 25mm	362-03062	1	1	1	Code MYB LPW/S only
-	Coupling - Split Boss 31.75	854-01175	1	1	1	Code MYH
3	Stern gear - 1500 2:1	360-03918/003	1	1	1	Code MYC LPW/S only
-	Stern gear - 2000 2:1	360-03918/004	1	1	1	Code MYD LPW/S only
-	Stern gear - 1500 3:1	360-03975/005	1	1	1	Code MYE
-	Stern gear - 2000 3:1	360-03975/006	1	1	1	Code MYF
4	Flexible Coupling Disc	854-01174	1	1	1	Code MYG
5	Flexible Coupling - 25mm bore	854-01176	1	1	1	Code MYI LPW/S only
-	Flexible Coupling - 30mm bore	854-01177	1	1	1	Code MYJ
-	Flexible Coupling - LPW/S3,4 & LPWT4	362-00890	-	1	1	Code MYK
6	Bolt	270-00352	-	4	4	Code MYK
7	Self-lock Nut	270-00311	-	4	4	Code MYK
-	Uniflex Coupling - LPWS3, LPW/S4 & LPWT4	648-00647	-	1	1	Code MYM
-	Uniflex Coupling - LPW/S4 & LPWT4	648-00648	-	-	1	Code MYL
-	Half Coupling - LPW/S4 & LPWT4	606-00662	-	-	1	Code MYN

Illustration LPM28



Decarbonising Joint Sets

Description	Part Number	LPW/S/T				Remarks
		2	3	4	T4	
Joint Set - LPW/LPWS2	657-34231	1	-	-	-	Replaces 657-34230
Joint Set - LPW/LPWS3	657-34251	-	1	-	-	Replaces 657-34250
Joint Set - LPW/LPWS4	657-34271	-	-	1	-	Replaces 657-34270
Joint Set - LPWT4	657-35080	-	-	-	1	
Cylinder Head Cover Joint	751-11072	2	3	4	4	
Cylinder Head Cover Joint	751-11073	2	3	4	4	
Cylinder Head Cover 'O' Ring	201-81200	4	6	8	8	
Inlet Manifold Gasket	751-11121	2	3	4	4	
Exhaust Manifold Gasket - LPW/S	751-10103	2	3	4	-	Replaces 751-10102
Exhaust Manifold Gasket - LPWT4	754-42640	-	-	-	4	
Sealing Tube Rubber - Bottom	201-30261	4	6	8	8	
Sealing Tube Rubber - Top	201-42360	4	6	8	8	
Sealing Tube Rubber Washer	751-11810	4	6	8	8	
Injector Washer - LPW/T4	201-45070	2	3	4	4	
Injector Washer - LPWS	751-40630	2	3	4	-	
Valve Stem Seal	751-13570	4	6	8	-	
Valve Stem Seal	751-41701	4	6	8	8	For valve guide 751-10903
Water Pump Joint	751-40211	1	1	1	1	
Water Pump 'O' Ring	601-20691	2	2	2	2	
Water Pump 'Mounting Plate Joint	751-40450	1	1	1	1	
Thermostat Housing Joint - LPW/S	751-40280	1	1	1	-	
Thermostat Housing Joint - LPWT4	751-40281	-	-	-	1	
Turbo Outlet Joint - LPWT4	754-42531	-	-	-	1	
Turbo Flange Joint - LPWT4	754-42320	-	-	-	1	

Note:

The cylinder head gasket is not included in the joint set

Cylinder Head Gasket - LPW/LPWS2	752-40751	1	-	-	-	1.47mm
Cylinder Head Gasket - LPW/LPWS3	753-40891	-	1	-	-	1.47mm
Cylinder Head Gasket - LPW/LPWS4 & LPWT4	754-40891	-	-	1	1	1.47mm

Overhaul Joint Sets

Description	Part Number	LPW/S/T				Remarks
		2	3	4	T4	
Joint Set - LPW/LPWS2	657-34241	1	-	-	-	Replaces 657-34240
Joint Set - LPW/LPWS3	657-34261	-	1	-	-	Replaces 657-34260
Joint Set - LPW/LPWS4	657-34281	-	-	1	-	Replaces 657-34280
Joint Set - LPWT4	657-35090	-	-	-	1	
Cylinder Head Cover Joint	751-11072	2	3	4	4	
Cylinder Head Cover Joint	751-11073	2	3	4	4	
Cylinder Head Cover 'O' Ring	201-81200	4	6	8	8	
Inlet Manifold Gasket	751-11121	2	3	4	4	
Exhaust Manifold Gasket - LPW/S	751-10103	2	3	4	-	Replaces 751-10102
Exhaust Manifold Gasket - LPWT4	754-42640	-	-	-	4	
Sealing Tube Rubber - Bottom	201-30261	4	6	8	8	
Sealing Tube Rubber - Top	201-42360	4	6	8	8	
Sealing Tube Rubber Washer	751-11810	4	6	8	8	
Injector Washer - LPW/T4	201-45070	2	3	4	4	
Injector Washer - LPWS	751-40630	2	3	4	-	
Valve Stem Shield	751-13570	4	6	8	-	
Valve Stem Seal	751-41701	4	6	8	-	For valve guide 751-10903
Water Pump Joint	751-40211	1	1	1	1	
Water Pump 'O' Ring	601-20691	2	2	2	2	
Water Pump 'Mounting Plate Joint	751-40450	1	1	1	1	
Thermostat Housing Joint - LPW/S	751-40280	1	1	1	-	
Thermostat Housing Joint - LPWT4	751-40281	-	-	-	1	
End Cover Joint	751-12800	1	1	1	-	
End Cover Joint	751-11222	1	1	1	1	
Crankcase Door Joint - LPW/S2	752-10802	1	-	-	-	
Crankcase Door Joint - LPW/S3	753-10802	-	1	-	-	
Crankcase Door Joint - LPW/S/T4	754-10802	-	-	1	1	
Fuel Lift Pump Joint	751-11761	1	1	1	1	
Main Bearing Housing Shim - 0,38mm	751-11930	1	1	1	1	
Main Bearing Housing Shim - 0,50mm	751-11932	1	1	2	1	
Speed Control 'O' Ring	751-10590	2	2	2	2	
Speed Control Washer	272-00687	1	1	1	1	
Fuel Filter Washer	031-61533	6	6	6	-	
Oil Seal - Flywheel End	751-10430	1	1	1	1	
Oil Seal - Gear End	751-10390	1	1	1	1	
Turbo Outlet Joint	754-42531	-	-	-	1	
Turbo Flange Joint	754-42320	-	-	-	1	

Note:

The cylinder head gasket is not included in the joint set

Cylinder Head Gasket - LPW/LPWS2	752-40751	1	-	-	-	1.47mm
Cylinder Head Gasket - LPW/LPWS3	753-40891	-	1	-	-	1.47mm
Cylinder Head Gasket - LPW/LPWS4 & LPWT4	754-40891	-	-	1	1	1.47mm

Service Tools

Description of Tool	Part Number	Remarks
Accessory Kit Code MSA	750-60750	Tool Kit - Marine
Screwdriver	027-06000	
Pliers	027-06010	
Adjustable Wrench	362-02802	
Jacking Screw	393171	Use with 317-50100
Slide Hammer	317-50027	
Valve Guide Base Tool	317-50033	Removal and replacement
Valve Seat and Recess Cutting Tool	317-50042	
Flywheel Locking Tool	317-50057	
Valve Guide Pilot	317-50075	Use with 317-50042
Adaptor	317-50076	Use with 317-50033
Universal Puller Plate	317-50100	Use with 393171
Gear End Oil Seal Tool	317-50103	
Flywheel End Oil Seal Tool	317-50104	
Front Pulley Tool	317-50105	Removal and replacement
Camshaft Bush Tool	317-50106	Use with 317-50027
Tappet Compressing Tool	317-50107	
Valve Guide Depth Stop	317-50108	Use with 317-50033
Valve Seat and Recess Cutting Tool	317-50042	
Valve Collet Plate	317-50109	Included with 393155
Main Bearing Tool	317-50111	Gear and flywheel ends
Injector Socket - LPWS	317-50112	
Piston Lifting Tool	317-50113	
Fuel Pump Rack Setting Gauge	317-50114	
Governor Setting Gauge	317-50115	
Fuel Injector Test Rig	317-50517	
Service Kit	317-50118	Includes - 317-50103, 317-50104, 317-50106, 317-50107, 317-50111, 317-50112, 317-50113, 317-50114, 317-50115

On Board Spares Kits - Marine

Description	Part Number	LPW			LPWS		
		2	3	4	2	3	4
Oil Filter Element	751-12870	1	-	-	1	-	-
.....	751-10620	-	1	1	-	1	1
Fuel Filter Element	751-18100	1	1	1	1	1	1
Air Filter Element	366-07189	1	1	1	1	1	1
Belt	751-17820	1	1	1	1	1	1
Nozzle	751-15871	1	1	1	-	-	-
.....	751-40860	-	-	-	1	1	1
Injector Washer	201-45070	1	1	1	-	-	-
.....	751-40630	-	-	-	1	1	1
Hose	854-00992	1	1	1	1	1	1
Hose	803-02225	1	1	1	1	1	1
Hose	803-02185	1	1	-	1	1	-
.....	854-01191	-	-	1	-	-	1
Hose Elbow	854-01227	1	1	1	1	1	1
Hose Elbow	803-02243	1	1	1	1	1	1
Hose	757-61471	2	2	2	2	2	2
Water Pump Repair Kit	606-90221/005	1	1	-	1	1	-
.....	606-90221/004	-	-	1	-	-	1
Fuel Lift Pump Repair Kit	027-10041	1	1	1	1	1	1

CALIFORNIA

Proposition 65 Warning

Diesel engine exhaust and some of its constituents
are known to the State of California to cause cancer,
birth defects, and other reproductive harm.



Technical Library

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