

CL1595748 INSTALLATION INSTRUCTIONS
KIT, WINCH

REFERENCE FOR INSTALLATION SEE DRAWING KL1595248

Provided by WSUcougarX

INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-STD-100

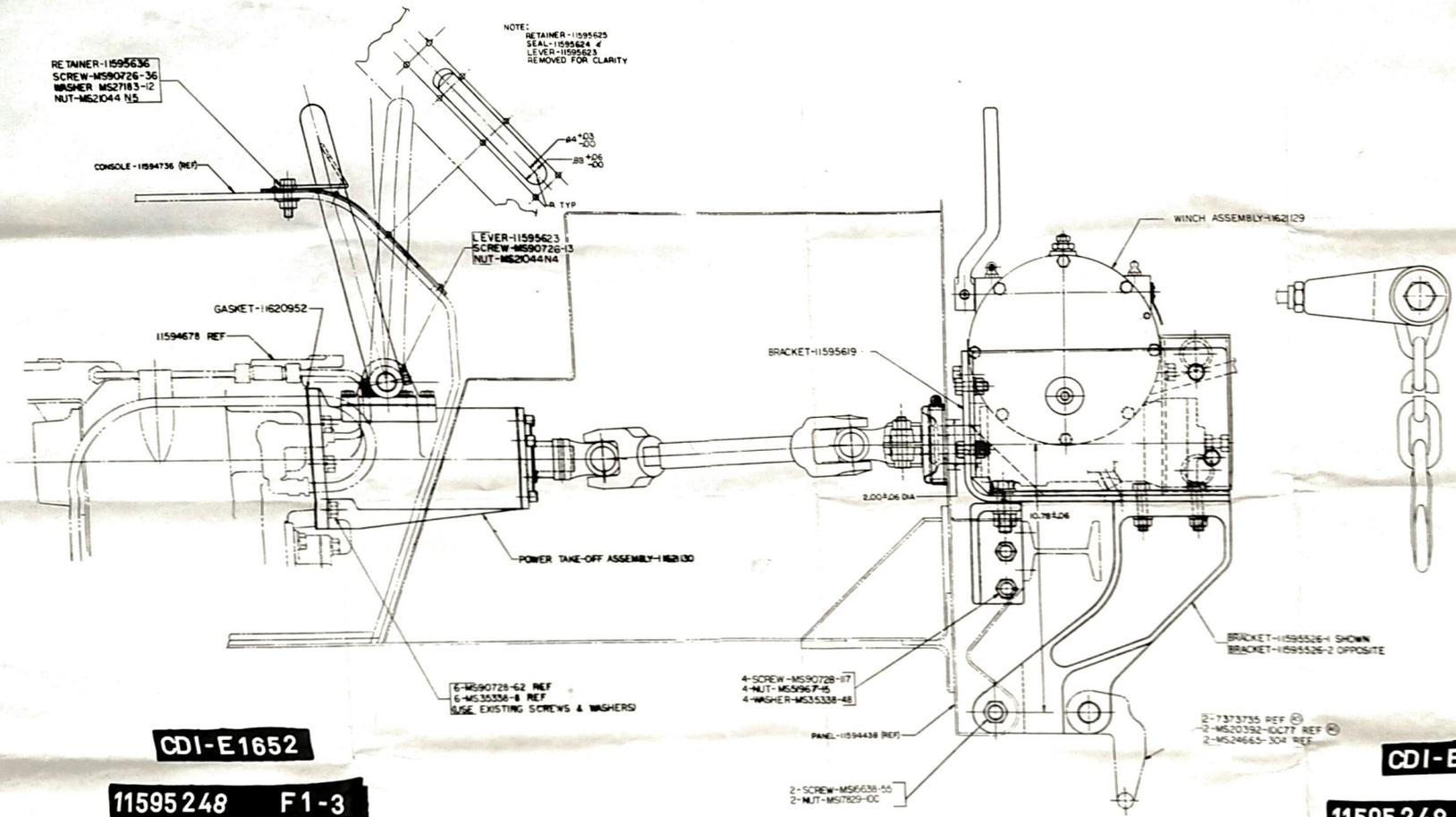
1. ATTACH L.H. BRACKET (1159526-2) TO WINCH REAR MOUNTING BRACKET ASSY (11595619) WITH WASHER (M27103-14).
2. REMOVE REAR SHIPPING STRAP FROM WINCH ASSEMBLY (11621129).
3. ATTACH WINCH ASSEMBLY (11621129) TO REAR MOUNTING BRACKET ASSY (11595619) LOCATED BY DOWEL PINS IN WINCH ASSEMBLY (11621129) WITH (4) WASHERS (M27103-14) AND (4) SCREWS (M990725-60). TIGHTEN SECURELY.
4. REMOVE FRONT SHIPPING STRAP FROM WINCH ASSEMBLY (11621129).
5. ATTACH FRONT MOUNTING BRACKET ASSY (11595618) TO WINCH ASSEMBLY (11621129) LOCATED BY DOWEL PINS IN WINCH ASSEMBLY (11621129) WITH (4) WASHERS (M27103-14) AND (4) SCREWS (M990725-60). ALSO ATTACH FRONT MOUNTING BRACKET ASSY (11595618) TO REAR MOUNTING BRACKET ASSY (11595619) WITH (3) SCREWS (M990725-60), (3) WASHERS (M27103-14) AND (3) NUTS (M51967-9). TIGHTEN SECURELY.
6. INSTALL WASHER (M27103-14), SCREW (M990725-65), WASHER (M27103-14) AND NUT (M51967-9) ATTACHING L.H. BRACKET (1159526-2) TO FRONT MOUNTING BRACKET ASSY (11595618).
7. ATTACH R.H. UPPER BRACKET (11595624) AND R.H. BRACKET (11595526-1) TO WINCH REAR (11595619) AND FRONT (11595618). MOUNT BRACKET ASSY WITH (2) SCREWS (M990725-65), (4) SCREWS (M990725-60), (6) WASHERS (M27103-14) AND (6) NUTS (M51967-9). DO NOT TIGHTEN.
8. ATTACH L.H. UPPER BRACKET (11595622) TO WINCH REAR (11595619) AND FRONT (11595618) MOUNTING BRACKET ASSYS WITH (4) SCREWS (M990725-61), (2) SCREWS (M990725-60), (4) WASHERS (M27103-14), (6) WASHERS (M27103-14) AND (6) NUTS (M51967-9). TIGHTEN SECURELY.
9. CUT 2 INCH DIAMETER HOLE IN FRONT PANEL (11594438) PER DIMENSIONS ON WINCH INSTALLATION DRAWING (11595248). (SEE ZONE C7 SHEET NO. 1 AND ZONE F6 SHEET NO. 2).
10. REMOVE TOWING RINGS (737375) FROM BUMPER BRACKETS (11594448).
11. ATTACH BRACKET (11595621) AND BRACKET (11595620-1) TO LEFT SIDE BUMPER BRACKET (11594448) WITH (2) SCREWS (M990726-117), (2) WASHERS (M27103-14), (2) NUTS (M51967-15). DO NOT TIGHTEN.
12. ATTACH BRACKET (11595620-1) AND BRACKET (11595620-2) TO RIGHT SIDE BUMPER BRACKET (11594448) WITH (2) SCREWS (M990726-117), (2) WASHERS (M27103-14), (2) NUTS (M51967-15). DO NOT TIGHTEN.
13. MOUNT BRACKETED WINCH ASSEMBLY TO BRACKETS (11595621), (11595620-2), (2) (11595620-1) WITH (3) SCREWS (M990725-114), (3) SCREWS (M990726-111), (4) WASHERS (M27103-14), (3) NUTS (M51967-15), (2) SCREWS (M210458-57), (2) NUTS (M210458-10C).
14. SECURELY TIGHTEN ALL HARDWARE ON BRACKETED WINCH ASSEMBLY.
15. REINSTALL TOWING RINGS (737375) TO L. AND R. HAND BRACKETS (11595526-1)-(11595526-2) WITH EXISTING HARDWARE.
16. REMOVE CONSOLE (11594736) FROM VEHICLE.
17. REMOVE SIDE AIR DUCT PANEL (11595159-1) FROM VEHICLE.
18. MOUNT SEAL (11595527) BY SNAPPING INTO GROOVE ON SLEEVE WHICH EXTENDS INBOARD THROUGH FRONT PANEL (11594438) AND FIT OVER RING ON INTERFACE OF FRONT PANEL (11594438). ATTACH SEAL (11595527) TO RING WITH HOSE CLAMP (M210458-14). (SEE ZONE D8 SHEET NO. 1).
19. REMOVE COV. (11601295) FROM DRIVE SHAFT OF THE TRANSMISSION CASE (11594678).
20. ATTACH CASSET (11620952) AND POWER TAKE-OFF ASSEMBLY (11621130) TO TRANSMISSION CASE (11594678) WITH EXISTING HARDWARE.
21. SLIP END YOKER (11621129) ON DRIVE SHAFT ASSEMBLY (11595635) ONTO POWER TAKE-OFF ASSEMBLY (11621130) OUTPUT SHAFT. ALIGN HOLES IN SHAFTS AND INSTALL SHEAR PIN (11620945). SLIP END YOKER (11621413) ON DRIVE SHAFT ASSEMBLY (11595635) ONTO INPUT SHAFT OF WINCH ASSEMBLY (11621129) SECURE WITH SCREW (M990726-69) AND NUT (M2104486).
22. WINCH ASSEMBLY SHOULD NOT EXTEND PAST INTERFACE OF YOKER (11621413).
23. INSTALL LEVER (11595623) ONTO P.T.O. ASSEMBLY (11621130) SHIFTER SHIFTER. ALIGN HOLES IN LEVER AND SHAFT SECURE WITH SCREW (M990726-13) AND NUT (M2104484).
24. CUTOUT SLOT AND ADD HOLES IN CONSOLE (11594736) PER DIMENSIONS ON WINCH INSTALLATION DRAWING (11595248).
25. ATTACH SEAL (11595624) PLATE (11595625) AND LEVER RETAINER (11595636) TO CONSOLE WITH SCREW (M990726-36), WASHER (M27103-12), NUT (M2104485), (9) SCREWS (M27103-7) AND (8) NUTS (M2104488).
26. REINSTALL CONSOLE (11594736) AND AIR DUCT PANEL (11595159-1) IN VEHICLE.
27. TO ATTACH WIRE ROPE ASSEMBLY (11595616) TO WINCH ASSEMBLY (11621129) INSERT WIRE ROPE INTO HOLE IN WINCH DRUM (11620956). TIGHTEN SET SCREW (M51963-103).
28. TO WIND WIRE ROPE ONTO DRUM, PLACE LOAD ON CHAIN END OF WIRE ROPE ASSEMBLY. MAKE CERTAIN THE FIRST LAYER OF WIRE ROPE WINDS PROPERLY ON THE DRUM AND THAT EACH ADDITIONAL LAYER BEGINS PROPERLY AS WIRE ROPE IS BEING WOUND ONTO DRUM. COAT WITH EXPOSED GEAR AND WIRE ROPE LUBRICANT (CV).
29. WHEN WINCH ASSEMBLY (11621129) IS REMOVED FROM VEHICLE SEAL HOLE IN FRONT PANEL (11594438) WITH SEAL (11595103). TO ATTACH USE EXISTING ROPE CLAMP (M210458-14).

APPLICATION		MATERIAL	
USED ON	SEE ENGINEERING RECORDS	DIMENSIONS ARE IN INCHES	
KL1595248		UNLESS OTHERWISE SPECIFIED	
TOLERANCES ON		CONTRACT NUMBER	
2 PLACE	3 PLACE	DAE07-69-C-0144	
ANGLES		CONTRACTOR	
		CONSOLIDATED DIESEL ELECTRIC	
		DRAWN BY	
		DATE	
		WELL AND	
		CHECKER	
		ENGINEER	
		DESIGN APPROVAL	
		DATE	
		SCALE	
		C 19207	
		SIZE CODE IDENT NO	
		11595748	
		SHEET	

PART NO 11595748

U.S. ARMY TANK AUTOMOTIVE COMMAND
WARREN, MICHIGAN 48090
KIT - WINCH
INSTL INSTRUCTION
11595748

REV	DATE	DESCRIPTION	APPROVED
A		(1) THRU (4) SEE REVISION NOTICE DRAWING RETYPCD EO CDI-E1628	



CDI-E1652

11595248 F1-3

SH 2-2

CDI-E1652

11595248 F3-3

SH 2-2

CDI-E1652

11595248 F2-3 SH 2-2

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REVISIONS		U.S. ARMY TANK AUTOMOTIVE CENTER BARBARA SCHMIDT 4885	
NO.	DATE	DESCRIPTION	BY
1	10/15/54	INITIAL DESIGN	J. W. B.
2	10/15/54	REVISED FOR KIT-WINCH INSTALLATION	R. W. B.
3	10/15/54	REVISED FOR KIT-WINCH INSTALLATION	E. D. C.
4	10/15/54	REVISED FOR KIT-WINCH INSTALLATION	E. H. W.

K11595248