

NSN No. 2540-00-152-1869 Contract No. DAAE07-88-C-0213

MANUFACTURED BY AURORA CORD & CABLE COMPANY

205 Beaver Street Yorkville, Illinois 60560-0429 PURPOSE: TO ADD A SPECIAL LIGHTING SYSTEM TO THE VEHICLES LISTED BELOW FOR EUROPEAN THEATER USE.

VEHICLES AFFECTED:

(1) TRUCK, UTILITY 1/4 TON-404 M151A2 (FSN: 2320-177-9258)

(2) TRUCK, UTILITY 1/4 TON 4X4 M825 WITH 106 MM RECOILLESS RIFLE (FSN: 2320-177-9257)

MATERIAL: LIGHTING KIT UPGRADE 11660545 CONSISTS OF THE FOLLOWING PARTS AND MATERIALS:

ITEM	ORD PART	NOMENCLATURE	QTY PER KIT
1	11660536	MOUNTING BRACKET, MARKER LAMP	2
2	MS-35423-1	MARKER LAMP, AMBER	2
3	MS-35423-2	MARKER LAMP, RED	2
4	MS-90726-5	SCREW, CAP, HEX HEAD 1/4-28 UNF-2A X 5/8	4
5	MS-35333-40	WASHER, INTERNAL TOOTH 1/4	10
6	MS-51 968- 2	NUT, PLAIN HEX 1/4-28 UNF-2B	4
7	11663067	REFLECTOR, AMBER - FRONT	2
8	11614174-4	REFLECTOR-RECTANGULAR-RED	2
9	MS-35224-64	SCREW MACHINE, PAN HEAD, SLOTTE #10-32 UNF-2A X 5/8 LG	-
10	MS-35333-39	WASHER, INTERNAL TOOTH #10	32
11	MS-35650-302		16
12	8338566	SHELL, SMIGLE, FEMALE PART NO.	4

DALEN-71-C-0009 CONTRACTOR	NTRACTOR D WARREN, MICHIGAN 48290	
DOWN BY DATE LANGUE CHECKER ENGINEER	INSTALLATION INSTRUCTIONS FOR LIGHTING KIT UPGRADED - 11660545 M151A2, M825	
Horn h	A 19207 11660565	

13	8338567	WASHER, TERMINAL, RETAINING	4
14	8338561	SHELL, MALE, SINGLE	16
15	8338562	SLEEVE	16
16	8338564	TERMINAL ASSEMBLY, CRIMPED FEMALE	16
17	MS-39020-1	BAND MARKER, BLANK	32
18	M13486/1-5	CABLE, ELECTRICAL 14 AWG	5 FT
19	11677498-14	CABLE ASSEMBLY *	8
20	MS-27147-1	ADAPTER, CONNECTOR, 3-way	A
21	11660554	TEMPLATE, SIDE MARKER	3
22	MS-21333-97	CLAMP, CABLE	1
23	7725697	CLAMP, CABLE	î
24	MS-35225-79	SCREW, MACHINE, PAN HEAD SLOTTED	•
25	MC 510/7 0	1/4 - 20 UNC-2A X 1/2	1
25	MS-51967-2	NUT, PLAIN HEX 1/4 - 20 UNC-2B	1
26	MS-17 821- 1-0	STRAP-CABLE ADJUSTABLE, SELF- CLINCHING PLASTIC	1
27	7331197-1	CLIP, CABLE RETAINING	1
28	11599001 - /	SLEEVE, CHAFING	i
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^{*} SEE SHEET 19 FOR MAKE UP OF WIRING HARNESS ASSEMBLIES, PRIOR TO AND IF REQUIRED AFTER APPLICATION TO THE VEHICLE. BULK WIRE, LOOSE TERMINALS, SLEEVES, SHELLS AND BAND MARKERS ARE PACKED IN THE KIT.

INSTALLATION INSTRUCTIONS FOR LIGHTING KIT UPGRADED 11660545.

TRUCK, UTILITY: 1/4 TON, 4X4, M151A2

TRUCK, UTILITY: 1/4 TON, 4X4, M825 WITH 106 MM RECOILLESS RIFLE



CONTRACT NO.	U. S. ARMY TANK AUTOMOTIVE CENTER WARREN, MICHIGAN 48290
CHECKER ENGINEER	
APPROVAL TOTAL	A 19207 1660565

A. VEHICLE PREPARATION FRONT

- (1) DISCONNECT ELECTRICAL CONNECTOR FROM BLACKOUT LAMP.
- (2) REMOVE THREE SCREWS, THREE WASHERS AND REMOVE BLACKOUT LAMP. RETAIN BLACKOUT LAMP AND THE MOUNTING HARDWARE.
- (3) REMOVE AND RETAIN TWO EXISTING NUTS, WASHERS, SCREWS AND FOOTMAN LOOP FROM THE TOP OUTBOARD EDGE OF THE RIGHT FRONT FENDER. M825 VEHICLE ONLY

B. DRILLING INSTRUCTIONS

- (1) FRONT LEFT FENDER
 - (a) SCRIBE A LINE ON THE FENDER 11 3/4 INCH FORWARD OF THE EDGE OF THE SIDE PANEL (WHERE THE PANEL JOINS THE FENDER, AND 1 5/8 INCHES FROM THE OUTBOARD EDGE OF THE FENDER, AS SHOWN ON SHEET 10
 - (b) SCRIBE A SECOND HOLE LOCATION 3.0 INCHES FORWARD OF THE FIRST HOLE LOCATION AND 1 5/8 INCHES FROM THE OUTBOARD EDGE OF THE FENDER.
 - (c) CENTER PUNCH AND DRILL TWO 5/16 INCH DIAMETER HOLES AT THE SCRIBED LOCATIONS. AS SHOWN ON SHEET 10
- (2) RIGHT FRONT FENDER
 - (a) REPEAT STEPS (a) THRU (c) FOR MARKER LAMP LOCATION OF ITEM B1 ABOVE.
 - (b) SCRIBE A LINE ON THE FENDER 9 3/8 INCHES FROM THE FRONT EDGE AND AN INTERSECTING LINE 6 1/4 INCHES FROM THE OUTBOARD EDGE OF THE FENDER.
 - (c) DRILL ONE 5/16 INCH HOLE AT THE SCRIBED LOCATION, AS SHOWN ON SHEET 11.

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- (d) US ING FOOTMAN LOOP AS A TEMPLATE, LOCATE FOOTMAN LOOP 3/4 INCHES FROM EXISTING HOLES AND DRILL TWO 7/32 INCH HOLES, AS SHOWN ON SHEET 12 . M825 VEHICLE ONLY.
- (3) RIGHT FRONT FENDER WITH CHEMICAL DETECTOR KIT

 (a) CUT OUT TEMPLATE 11660554, FURNISHED IN THE KIT.
 - (b) LOCATE REAR EDGE OF TEMPLATE 10 7/8 INCH FROM EDGE OF THE SIDE PANEL, (WHERE THE PANEL JOINS THE FENDER) AND TOP EDGE OF TEMPLATE 3/16 INCH BELOW THE TOP EDGE OF THE FENDER, AS SHOWN ON SHEET 13.

NOTE: CEMENT TEMPLATE TO BODY USING AN ADHESIVE WHICH IS AVAILABLE.
(A RUBBER TYPE PAPER ADHESIVE IS PREFERRED.)

- (c) DRILL FOUR 7/32 INCH DIAMETER HOLES AT THE SCRIBED LOCATIONS, AS SHOWN ON SHEET 13 .
- (d) DRILL ONE 3/8 INCH DIAMETER LOCATING HOLE, AS SHOWN ON SHEET 13 .
- (e) DRILL ONE 1.0 INCH DIAMETER CENTER MOUNTING HOLE (USING A HOLE SAW), AS SHOWN ON SHEET 13.

NOTE: REMOVE PAPER TEMPLATE. USING O.D. PAINT, TOUCH UP ALL DRILLED HOLES WHERE BARE METAL HAS BEEN EXPOSED

CONTRACT NO.

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CONTRACTOR

U. S. ARMY TANK AUTOMOTIVE CENTER WARREN, MICHIGAN 48290

CHECKER ENGINEER

APPROVAL

APPROVAL

SIZE CODE DENT. NO. 1 1660565

CHECKER TO SCALE: UNIT WI. SHEET 4 of 33

C. INSTALLATION

- (1) RIGHT AND LEFT FRONT FENDERS
 - (a) DISASSEMBLE TWO MARKER LAMPS (AMBER MS 35423-1)
 BY REMOVING EXISTING SCREWS AND TWO LENS COVERS.
 RETAIN SCREWS AND LENS COVERS.
 - (b) ASSEMBLE MARKER LAMP BASES AND MOUNTING PAD TO RIGHT AND LEFT MOUNTING BRACKETS 11660536 WITH EIGHT SCREWS MS35224-64 (16) WASHERS MS 35333-39 AND EIGHT NUTS MS35650-302, AS SHOWN ON SHEET 14

NOTE: INSTALL MARKER LAMP BASE TO BRACKET WITH MOUNTIN SCREW HEADS TO THE INSIDE OF THE MARKER LAMP LENS COVER PLACE ONE WASHER UNDER THE HEAD AND ONE UNDER THE NUT OF EACH MOUNTING SCREW.

- (c) REASSEMBLE THE MARKER LAMPS USING EXISTING HARDWARE.
- (d) INSTALL EACH MARKER LAMP AND MOUNTING BRACKET ASSEMBLY ON THE FENDERS USING TWO SCREWS MS96726-5 FOUR WASHERS MS35333-40 AND TWO NUTS MS51967-8, AS SHOWN ON SHEET 15

NOTE: PLACE ONE WASHER UNDER THE HEAD AND ONE UNDER THE NUT OF EACH MOUNTING SCREW FOR GROUNDING PURPOSES

(e) REINSTALL FOOTMAN LOOP ON RIGHT FRONT FENDER 3/4
INCH REARWARD OF THE ORIGINAL POSITION, AS SHOWN ON
SHEET 12 M825 VEHICLE ONLY.

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APPROVAL THE	A 19207 11660565 SCALE: UNIT WI. SHEET 5 of 33	

- (f) REINSTALL BLACKOUT LAMP USING EXISTING HARDWARE, CONNECT ELECTRICAL TERMINALS.
- (g) CLEAN SURFACE ON OUTBOARD EDGE OF FENDER TO REMOVE ALL DIRT, GREASE AND OIL.
- (h) REMOVE PAPER BACKING FROM REFLECTOR 11663067 AND LOCATE TOP EDGE OF REFLECTOR 5/8 INCH FROM THE TOP EDGE OF THE FENDER AND 8 1/2 INCHES FORWARD OF THE SIDE PANEL WHERE THE PANEL JOINS THE FENDER, AS SHOWN ON SHEET16
- (i) ROLL OR PRESS REFLECTOR FIRMLY INTO POSITION.

(2) VEHICLES WITH CHEMICAL DETECTOR KIT

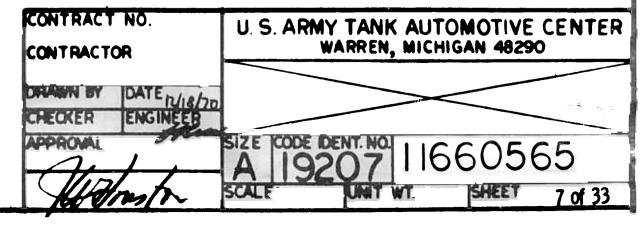
- (a) FABRICATE MARKER LIGHT PLATE 11660555 PER INSTRUCTION ON SHEET 17
- (b) DISASSEMBLE MARKER LAMP MS 35423-1 BY REMOVING TWO EXISTING SCREWS AND LENS COVER. RETAIN SCREWS AND LENS COVER.
- (c) ATTACH MARKER LAMP BASE, MOUNTING PAD AND FABRICATED BRACKET 11660555 TO THE OUTBOARD EDGE OF THE RIGHT FRONT FENDER USING FOUR SCREWS MS 35224-64 EIGHT WASHERS MS 35333-39 AND FOUR NUTS MS35650-302,. AS SHOWN ON SHEET 18

NOTE: INSTALL MARKER LAMP BASE TO BRACKET MOUNTING SCREW HEADS TO THE INSIDE OF THE MARKER LAMP. PLACE ONE WASHER UNDER THE HEAD AND ONE UNDER THE NUT OF PART NO.

CONTRACT NO CONTRACTOR	U. S. ARMY TANK AUTOMOTIVE CENTER WARREN, MICHIGAN 48290
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Moon for	SIZE CODE DENT. NO. 11660565 SCALE:

EACH MOUNTING SCREW.

- (d) REASSEMBLE MARKER LAMP USING EXISTING SCREWS AND LENS COVER.
- (e) REMOVE PAPER BACKING FROM AMBER REFLECTOR 11663067 AND LOCATE REFLECTOR ON MOUNTING BRACKET 11660555,3/32 INCH FROM TOP EDGE AND 3/16 INCH FROM THE FRONT EDGE OF THE BRACKET, AS SHOWN ON SHEET 18
- (f) PRESS OR ROLL REFLECTOR FIRMLY INTO POSITION.
- D. INSTALL ELECTRICAL FRONT
 (1) VEHICLES WITHOUT CHEMICAL DETECTOR KIT
 NOTE: REFER TO SHEET 19 FOR FABRICATION AND MAKE UP OF
 CABLE ASSEMBLY 11677498-14, FROM BULK WIRE M13486/1-5,
 SLEEVES, TERMINALS, SHELLS AND BAND MARKERS FURNISHED
 IN THE KIT. SEE SHEET 20 FOR ELECTRICAL SCHEMATIC FRONT.
 - (a) DISCONNECT LEAD NO. 491 FROM THE COMPOSITE LIGHT ON THE RIGHT FRONT FENDER.
 - (b) CONNECT 491 TERMINAL OF THE VEHICLE HARNESS TO ADAPTER MS27147-1 AS SHOWN ON SHEETS 20 AND 21
 - (c) CONNECT NEW CABLE ASSEMBLY 11677498-14 TO THE ADAPTER AND TO LEAD NO. 491 OF THE COMPOSITE LIGHT AS SHOWN ON SHEET 21
 PART NO.



LABEL THIS LEAD WITH BAND MARKER AS NO. 491.

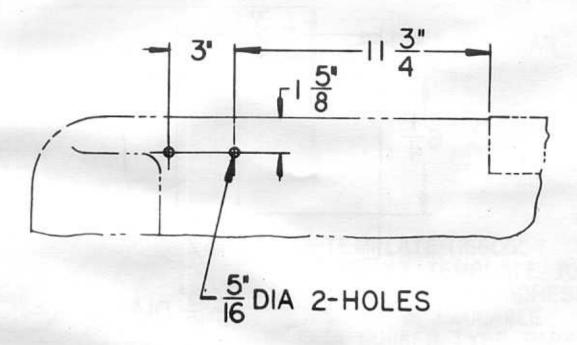
- (d) ASSEMBLE SHELL 8338566 TO LEAD OF MARKER LAMP AND RETAIN WITH WASHER 8338567.
- (e) CONNECT A SECOND NEW CABLE ASSEMBLY 11677498-14 TO ADAPTER MS 27147-1 AND TO MARKER LAMP LEAD, AS SHOWN ON SHEET 21 . LABEL THIS LEAD WITH BAND MARKER AS NO. 489.
- (f) ROUTE THE WIRE ON TOP OF FENDER AND THROUGH EXISTING NOTCH IN HOOD, AS SHOWN ON SHEET 21.
- (g) RETAIN THE MARKER LAMP LEAD TO THE FENDER USING CABLE CLAMP MS 21333-97, ONE SCREW MS35225-79 TWB WASHERS MS 35333-40 AND ONE NUT MS51967-2, AS SHOWN ON SHEET 21.
- (h) REPEAT STEPS (a) THRU (f) OF ITEM D1 ABOVE, FOR LEFT FENDER. AS SHOWN ON SHEET 22.
- (i) RETAIN BLACKOUT LIGHT LEAD AND MARKER LAMP LEAD TO THE LEFT FENDER USING CABLE CLAMP 7725697 AND EXISTING HARDWARE, AS SHOWN ON SHEET 22
- (2) VEHICLE WITH CHEMICAL DETECTOR KIT

 (a) ROUTE MARKER LAMP CABLE BENEATH THE RIGHT FENDER
 THROUGH EXISTING WIRE GUARD AND THROUGH EXISTING
 GROMMET IN ENGINE COMPARTMENT SIDE WALL, AS SHOWN
 ON SHEET 23.

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(b) REPEAT STEPS (a) THRU (e) OF ITEM D1 ABOVE FOR ELECTRICAL CONNECTIONS.

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CONTRACT NO. CONTRACTOR	U. S. ARMY TANK AUTOMOTIVE CENTER WARREN, MICHIGAN 48290
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DRILLING INSTRUCTIONS - MARKER LIGHTS

R.H. SHOWN L.H. OPPOSITE

CONTRACT NO.

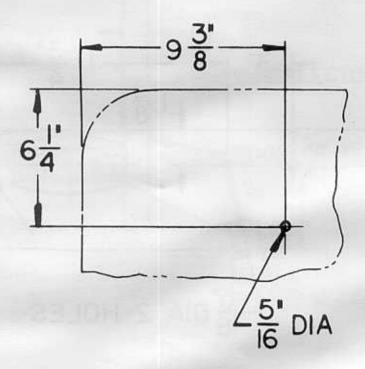
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FRONT



DRILLING INSTRUCTIONS - CABLE CLAMP
R.H. SHOWN

CONTRACT NO.

CONTRACT NO.

CONTRACTOR

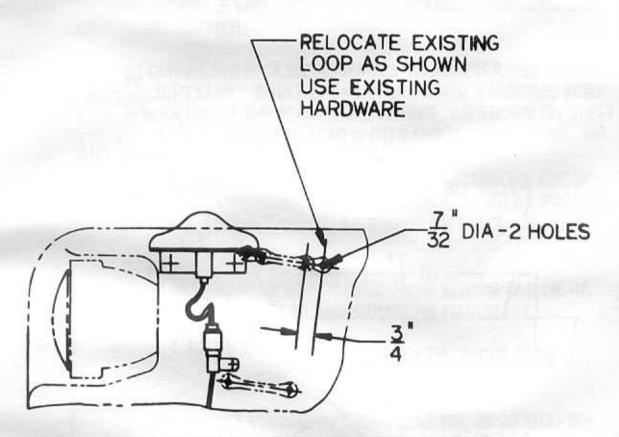
U. S. ARMY TANK AUTOMOTIVE CENTER WARREN, MICHIGAN 48290

CHECKER ENGINEER

STALE CODE DENT. NO. 11660565

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STALE WARREN, MICHIGAN 4833



RIGHT FRONT FEMDER

RELOCATION - FOOTMAN LOOP FOR M825 ONLY

CONTRACT NO.

CONTRACT NO.

CONTRACTOR

U. S. ARMY TANK AUTOMOTIVE CENTER WARREN, MICHIGAN 48290

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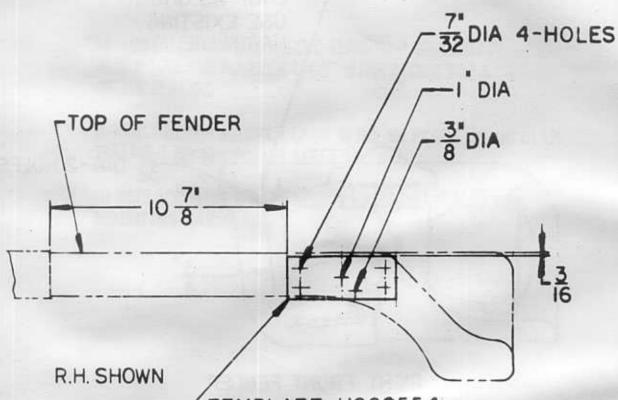
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SCALE: UNIT WT. SHEET 12 of 33

FRONT



CEMENT TEMPLATE TO BODY

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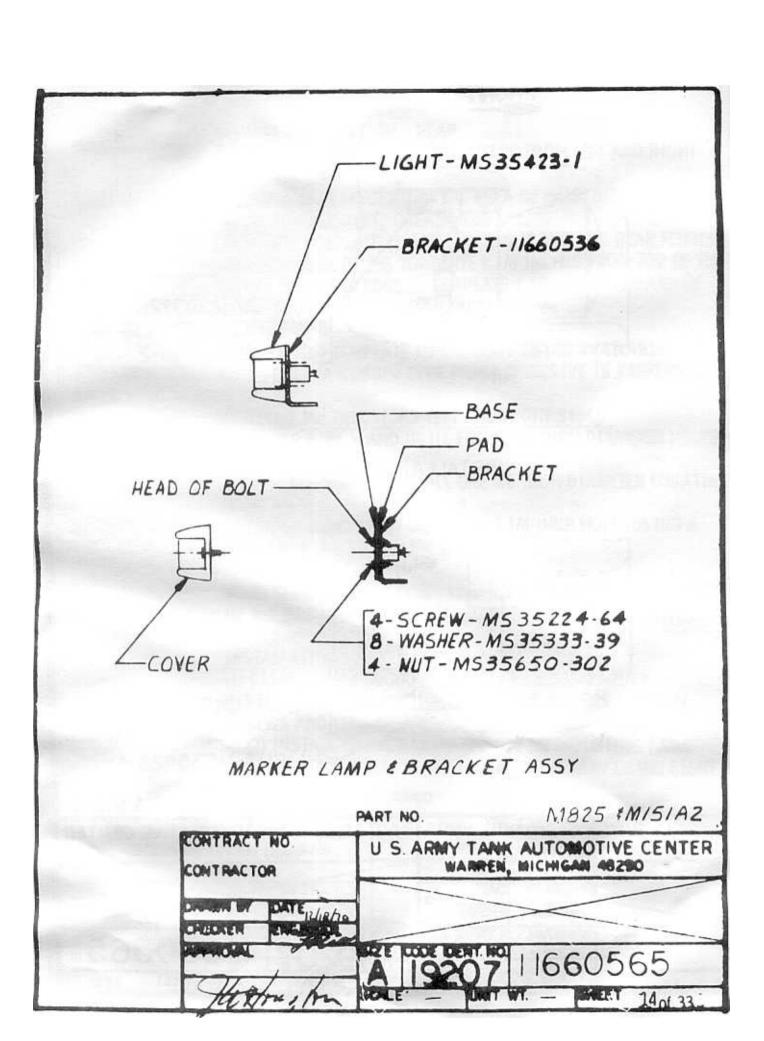
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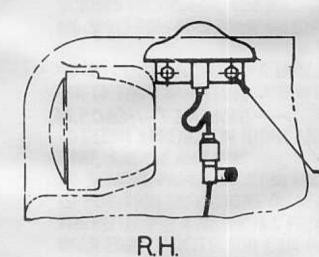
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FOR CHEMICAL DETECTOR
KIT ONLY

DRILLING INSTRUCTIONS - MARKER LIGHT

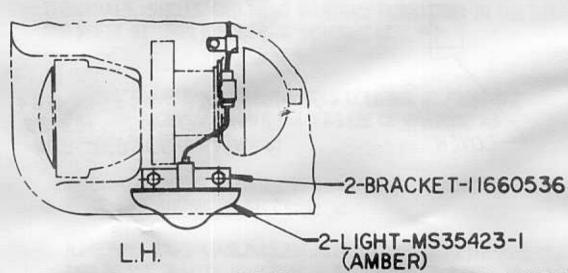
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4-SCREW-MS90726-5 8-WASHER-MS35333-40 4-NUT-MS51968-2

INSTALLATION - MARKER LAMP



PART NO.

M825 & MI5IA2

CONTRACT NO.

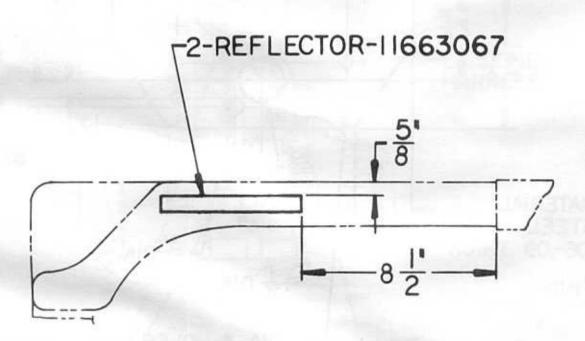
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WARREN, MICHIGAN 48290

CHECKER ENGINEER

A 19207 11660565

SCALE ___ UNIT WT. ___ SHEET 15 of 3





L.H. SHOWN R.H. OPPOSITE

INSTALLATION - REFLECTOR
PART NO. M825 & MI5IA2

CONTRACT NO.

CONTRACTOR

U. S. ARMY TANK AUTOMOTIVE CENTER WARREN, MICHIGAN 48290

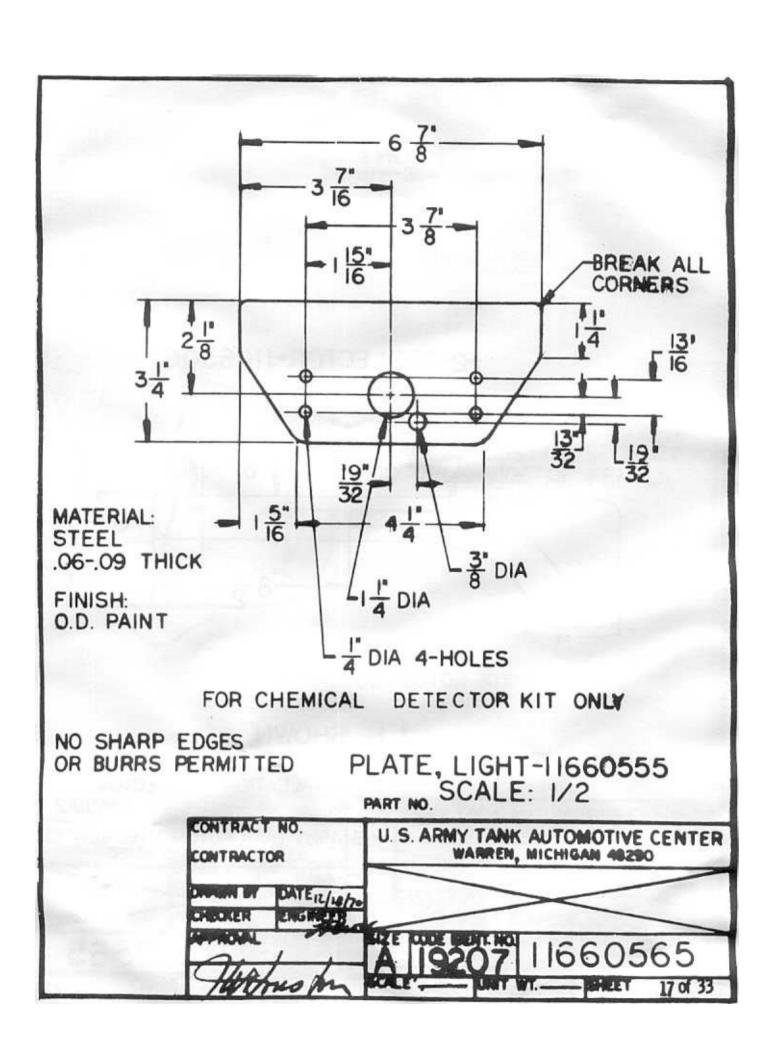
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SIZE CODE DENT. NO. 11660565

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SIZE CODE DENT. NO. 11660565

SOLE' UNIT WI. SHEET 16 of 33





-REFLECTOR-11663067

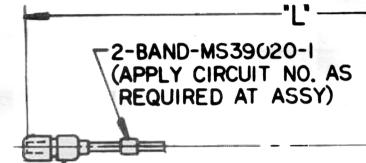
LIGHT-MS35423-1 PLATE-11660555 4-SCREW-MS35224-64 8-WASHER-MS35333-39 4-NUT-MS35650-302

TOP OF FENDER



R.H. SHOWN INSTALLATION-MARKER LIGHT & REFLECTOR PART NO.

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CHECKER ENGINEER	
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2-SHELL-8338561 2-SLEEVE-8338562 2-TERMINAL ASSY-8338564 CABLE-MI3486/1-5
(AS REQD SEE TABULATION)

PART NO.	11/2
16.7498-14	6.00

CRIMP PIN CONTACTS (FERRULES)
TERMINALS AND SPLICING
CONNECTORS TO CABLES
(CONDUCTORS AND/OR INSULATION)
NOTE:
DO NOT DISTORT SKIRTS OF PIN
CONTACTS WHEN CRIMPING TO
CONDUCTORS.

REFER TO THE WIRING INSTRUCTIONS INCLUDED IN THIS DOCUMENT FOR THE FRONT AND REAR OF THIS VEHICLE PRIOR TO CABLE FABRICATION

CONTRACT NO.

CONTRACT NO.

CONTRACT NO.

CONTRACT NO.

U. S. ARMY TANK AUTOMOTIVE CENTER WARREN, MICHIGAN 48290

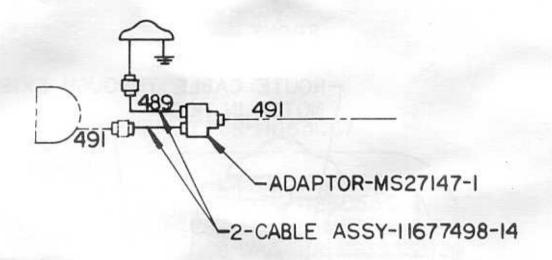
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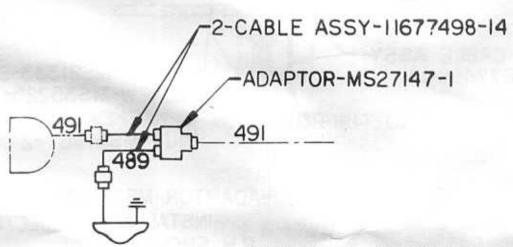
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SCALE:—UNIT WI.— SHEET 19 of 33



FRONT

€ VEHICLE



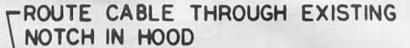
SCHEMATIC - ELECTRICAL

PART NO.

M825 & MI5IA2

19207 116605







2-CABLE ASSY-11677498-14

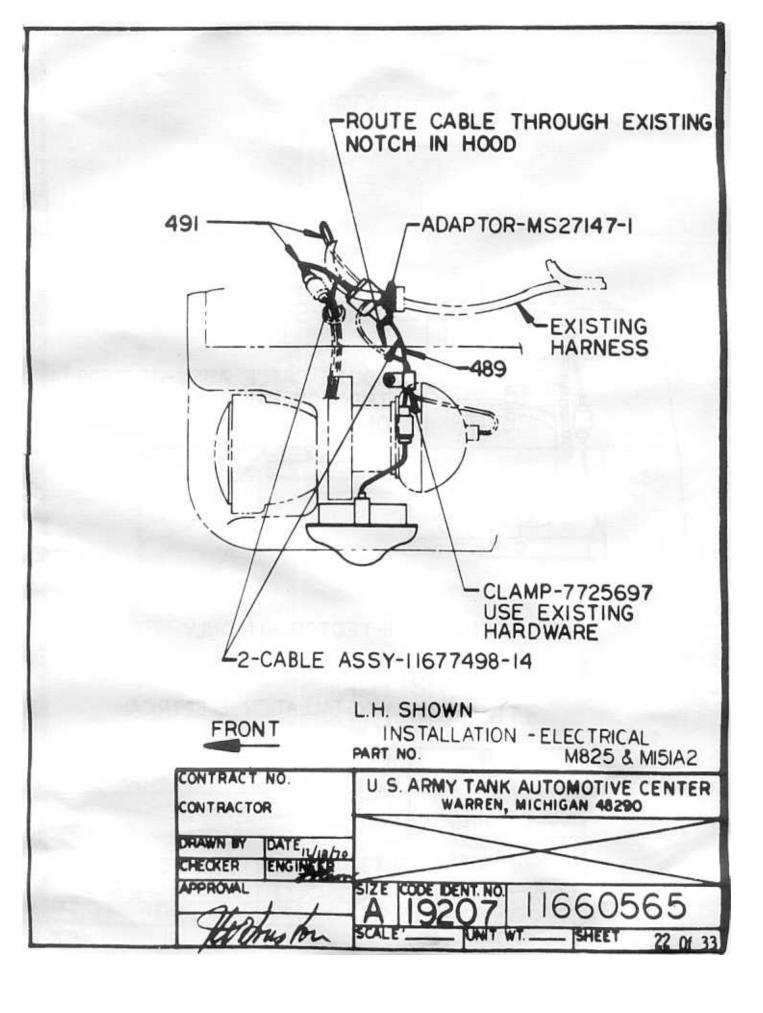
2-WASHER-MS35333-40 NUT-MS51967-2

-ADAPTOR-MS27147-1 INSTALLATION - ELECTRICAL R.H. SHOWN

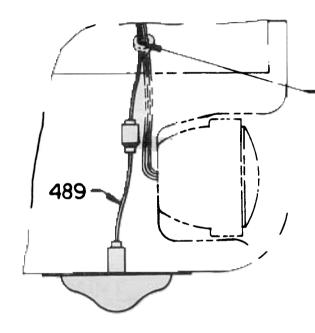
PART NO.

M825 & MI5IA2

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ROUTE CABLE ASSY-1677498-14
THROUGH EXISTING GROMMET
ON UNDERSIDE OF FENDER

FOR CHEMICAL DETECTOR KIT ONLY

INSTALLATION - ELECTRICAL PART NO.

CONTRACTOR	U. S. ARMY TANK AUTOMOTIVE CENTER WARREN, MICHIGAN 48290	
DRAWN BY DATE IL/18/10 CHECKER ENGINEER		
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E. VEHICLE PREPARATION - REAR

(1) REMOVE EXISTING REFLECTOR TAPE FROM LEFT AND RIGHT REAR FENDERS.

(2) CLEAN REAR FENDERS IN THE AREA OF EXISTING REFLECTORS

TO REMOVE ALL DIRT, GREASE AND OIL

(3) LOCATE TEMPLATE 11660554 ON RIGHT AND LEFT REAR FENDERS WITH TOP EDGE OF THE TEMPLATE 8 1/8 INCHES FROM TOP OF THE FENDER AND REAR EDGE OF TEMPLATE 1 1/8 INCH FORWARD OF THE REAR PANEL, AS SHOWN ON SHEET 28.

NOTE: CEMENT TEMPLATE TO THE BODY USING AVAILABLE ADHESIVE. (A RUBBER TYPE PAPER ADHESIVE IS PREFERRED.)

F. DRILLING INSTRUCTIONS LEFT AND RIGHT SIDES

(1) CENTER PUNCH AND DRILL FOUR 7/32 INCH DIAMETER HOLES,
AS SHOWN ON SHEET 28.

(2) CENTER PUNCH AND DRILL ONE 3/8 INCH DIAMETER LOCATING
HOLE, AS SHOWN ON SHEET 28.

(3) CENTER PUNCH AND DRILL ONE 1 1/4 INCH HOLE (USING A
HOLE SAW), AS SHOWN ON SHEET 28.

NOTE: MEMOVE PAPER TEMPLATE. USING O. D. PAINT, TOUCH UP ALL DRILLED HOLES WHERE BARE METAL HAS BEEN EXPOSED.

- G. INSTALLATION MARKER LAMPS REAR

 (1) DISASSEMBLE MARKER LAMPS (RED MS35423-2) BY
 REMOVING EXISTING SCREWS AND LENS COVERS. RETAIN
 SCREWS AND LENS COVERS.
 - (2) INSTALL MARKER LAMP BASES AND MOUNTING PADS ON RIGHT AND LEFT REAR FENDER AND RETAIN USING EIGHT

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SCREWS MS35224-64, (16) WASHERS MS 35333-39 AND EIGHT NUTS MS 35650-302, AS SHOWN ON SHEET 29 .

NOTE: PLACE ONE WASHER UNDER THE HEAD AND ONE UNDER THE NUT OF EACH MOUNTING SCREW FOR GROUNDING PURPOSES.

- (3) CLEAN SURFACE ON RIGHT AND LEFT REAR FENDERS TO REMOVE DIRT, GREASE AND OIL.
- (4) REMOVE PAPER BACKING FROM REFLECTORS 11614174-4,
 (5) POSITION REFLECTORS ON REAR FENDERS WITH TOP EDGE OF
 THE REFLECTOR 4 7/8 INCHES FROM TOP EDGE OF THE PENDER AND
 REAR EDGE OF REFLECTOR 1 1/4 INCHES FORWARD OF THE REAR
 PANEL PRESS OR ROLL REFLECTOR FIRMLY INTO POSITION, AS
 SHOWN ON SHEET 29
- H. INSTALLATION, ELECTRICAL REAR

 NOTE: REFER TO SHEET 30 FOR FABRICATION AND MAKE UP OF
 CABLE ASSEMBLY 11677498-14 FROM BULK WIRE M13486/1-5, SLEEVES
 TERMINALS, SHELLS AND BAND MARKERS FURNISHED IN THE KIT.
 SEE SHEET 31 FOR ELECTRICAL SCHEMATIC.
 - (1) LEFT
 (a) DISCONNECT VEHICLE HARNESS LEAD NO. 21 FROM THE TRAILER RECEPTACLE ON THE LEFT SIDE OF VEHICLE, AS SHOWN ON SHEET 32
 - (b) CONNECT VEHICLE HARNESS LEAD NO. 21 TO ADAPTER MS 27147-1 AS SHOWN ON SHEET 32 .
 - (c) CONNECT NEW CABLE ASSEMBLY 11677498-14 TO THE ADAPTER AND TO THE TRAILER RECEPTACLE, AS SHOWN ON SHEET 32.

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APPROVAL The Area	SIZE CODE DENT. NO. 1 1660565 SCALE:

LABEL THIS LEAD WITH BANK MARKER AS NO. 21.

- (d) ASSEMBLE SHELL 8338566 TO CLEARANCE LIGHT LEAD AND RETAIN WITH WASHER 8338567.
- (e) CONNECT NEW CABLE ASSEMBLY TO ADAPTER AND MARKER LIGHT LEAD. ROUTING CABLE ABOVE THE DIAGONAL BODY SECTION AT THE REAR OF THE FENDER, AS SHOWN ON SHEET 32. LABEL THIS LEAD WITH BAND MARKER AS NO. 489.
- (f) USE ONE CABLE STRAP MS 17821-1-0, SECURE THE GROUP OF WIRES TOGETHER AND HOLD THEM AS HIGH AS POSSIBLE IN THE FENDER CAVITY, AS SHOWN ON SHEET 32.
- (2) RIGHT
 - (a) REMOVE REAR WIRE GUARD FROM BEHIND TAILLIGHT.
 RETAIN WIRE GUARD AND MOUNTING HARDWARE.
 - (b) DISCONNECT LEAD NO. 21 FROM THE RIGHT REAR COMPOSITE LIGHT.
 - (c) CONNECT VEHICLE HARNESS LEAD NO. 21 TO ADAPTER MS 27141-1 AS SHOWN ON SHEET 33 .
 - (d) CONNECT CABLE ASSEMBLY 11677498-14 TO THE ADAPTER AND LEAD NO. 21 OF THE COMPOSITE LIGHT, AS SHOWN ON SHEET NO. 33 . LABEL THIS LEAD WITH BAND MARKER AS NO. 21.
 - (e) ASSEMBLE SHELL 8338566 TO MARKER LAMP LEAD AND RETAIN WITH WASHER 8338567.

CONTRACT NO.	U. S. ARMY TANK AUTOMOTIVE CENTI	
CHECKER ENGINEER		
APPROVAL /	A 19207 11660565	
Tar Aras m	SCALE - UNIT WT SHEET 26 of 33	

(f)CONNECT A SECOND NEW CABLE ASSEMBLY 11677498-14
TO THE ADAPTER AND TO THE MARKER LAMP LEAD. AS SHOWN
ON SHEET 33. LABLE THIS LEAD WITH BAND MARKER AS NO.
489.

- (g) INSTALL CHAFING SLEEVE 11599001-1 ON BODY FLANGE AND ROUTE THE MARKER LIGHT WIRE ALONG TOP SURFACE OF THE FLANGE.
- (h) SEC URE THE MARKER LAMP WIRE IN PLACE USING CLIP 7331197-1 AS SHOWN ON SHEET 33.
- (i) REPLACE WIRE GUARD USING EXISTING GUARD AND MOUNTING HARDWARE.

CONTRACT NO.

CONTRACT NO.

CONTRACTOR

U. S. ARMY TANK AUTOMOTIVE CENTER WARREN, MICHIGAN 48290

CHECKER ENGINEED

APPROVAL

APPROVAL

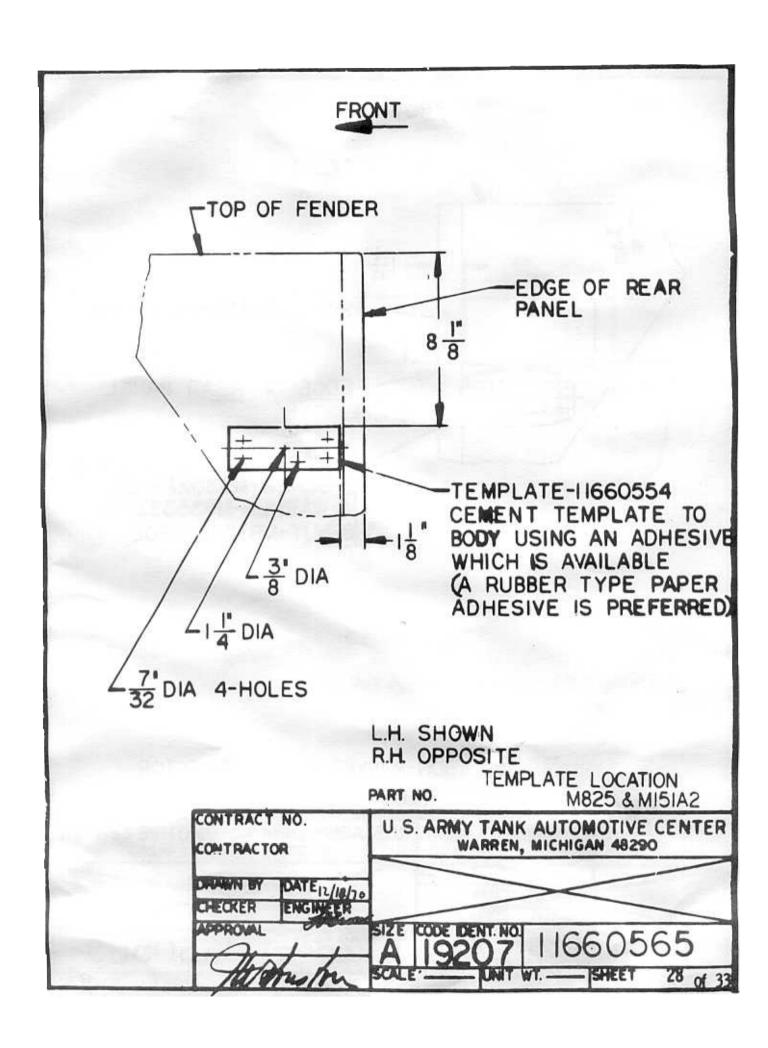
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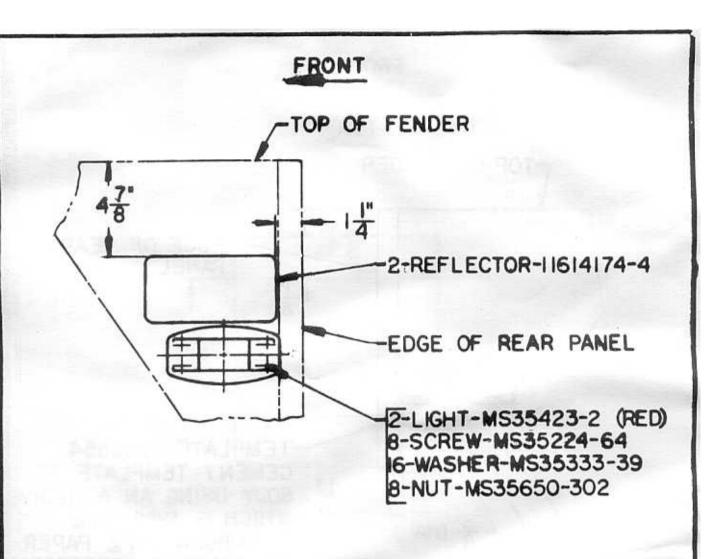
CHECKER ENGINEED

APPROVAL

SIZE CODE DENT. NO. 1 1660565

SCALE: UNIT WT. SHEET 27 of 33





INSTALLATION-MARKER LIGHT & REFLECTOR

CONTRACT NO.

CONTRACT NO.

CONTRACT NO.

CONTRACT NO.

CONTRACTOR

U. S. ARMY TANK AUTOMOTIVE CENTER WARREN, MICHIGAN 48280

CHECKER ENGINEES

APPROVAL

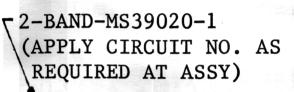
APPROVAL

APPROVAL

SIZE CODE DENT. NO. 11660565

A 19207 11660565

SCALE UNIT WT. SHEET 29 of 33



2-SHELL-8338561

2-SLEEVE-8338562

2-TERMINAL ASSY-

8338564

-CA1	BLE -	M1348	86/1-5	
AS	REOD	SEE	TABIIT.A	TTON

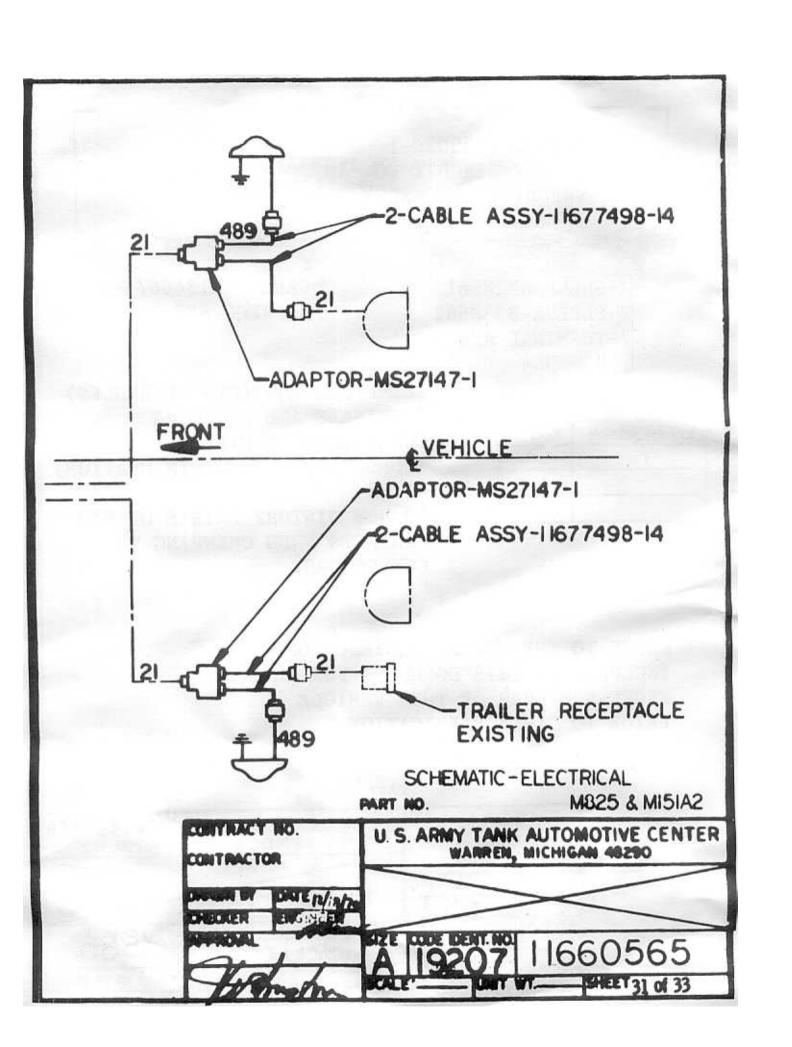
PART 'NO.	1
E77498-14	6.00

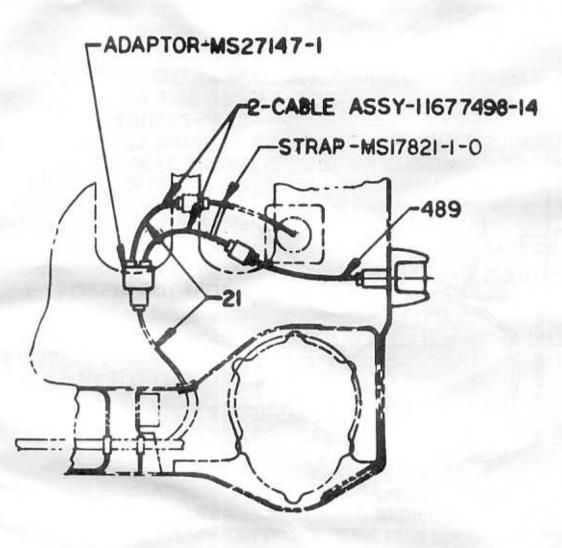
CRIMP PIN CONTACTS (FERRULES)
TERMINALS AND SPLICING
CONNECTORS TO CABLES
(CONDUCTORS AND/OR INSULATION)
NOTE:
DO NOT DISTORT SKIRTS OF PIN

DO NOT DISTORT SKIRTS OF PIN CONTACTS WHEN CRIMPING TO CONDUCTORS.

REFER TO THE WIRING INSTRUCTIONS INCLUDED IN THIS DOCUMENT FOR THE FRONT AND REAR OF THIS VEHICLE PRIOR TO CABLE FABRICATION

	CART NO
CONTRACT NO.	U S. ARMY TANK AUTOMOTIVE CENTER WARREN, MICHIGAN 48290
SHAWN BY CATE CONT.	
APPROVAL	19207 11660565
	SCALE TIMIT WT CHAFE 1-30 of 33





LEFT REAR

INSTALLATION - ELECTRICAL
M825 & MI5IA2

CONTRACT NO.

CONTRACT NO.

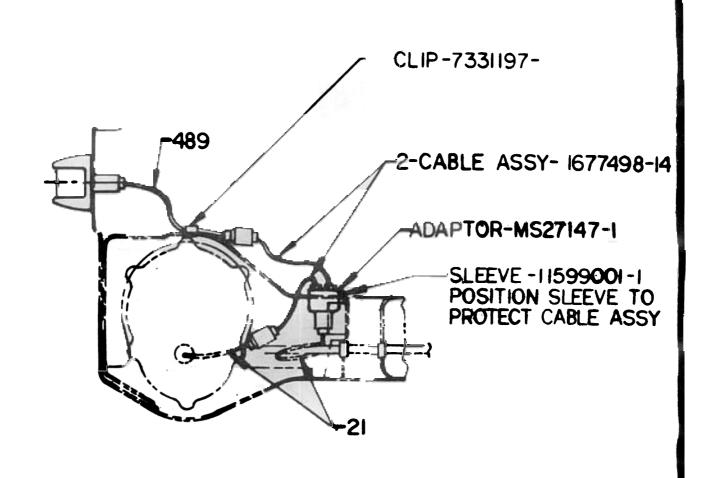
CONTRACTOR

U. S. ARMY TANK AUTOMOTIVE CENTER WARREN, MICHIGAN 48290

CHECKER ENGINEER

A. 19207 11660565

COLET DAY WY. SHEET 32 0133



RIGHT REAR

INSTALLATION - ELECTRICAL

CONTRACT NO.

CONTRACT NO.

CONTRACTOR

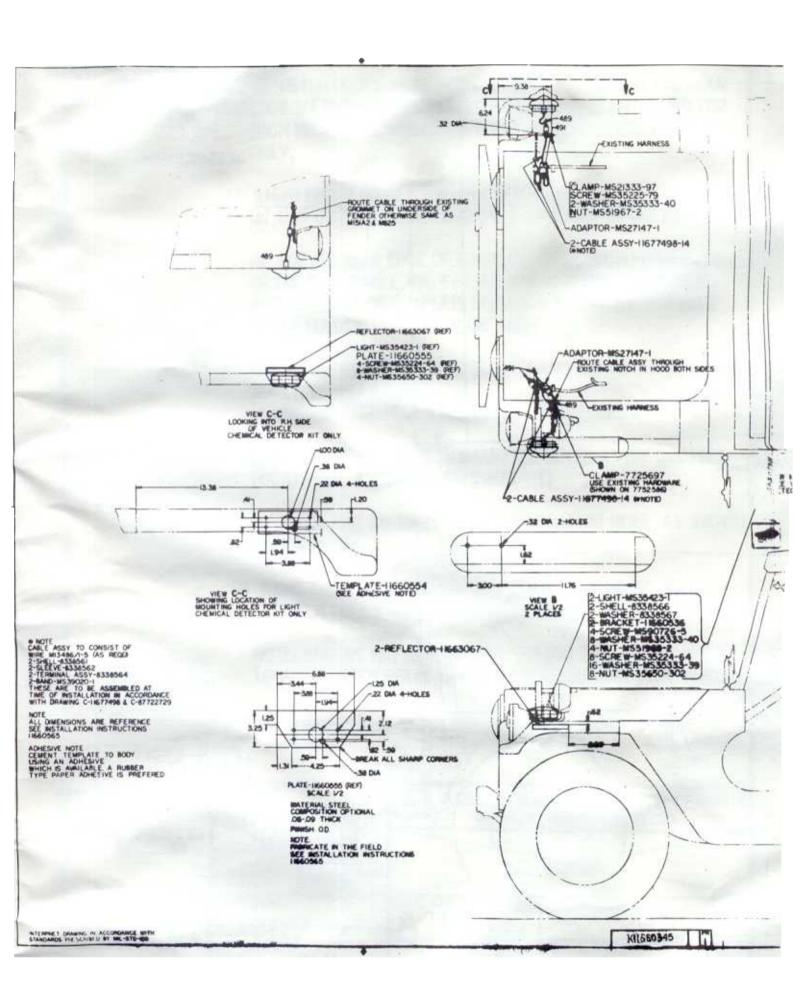
U. S. ARMY TANK AUTOMOTIVE CENTER WARREN, MICHIGAN 48290

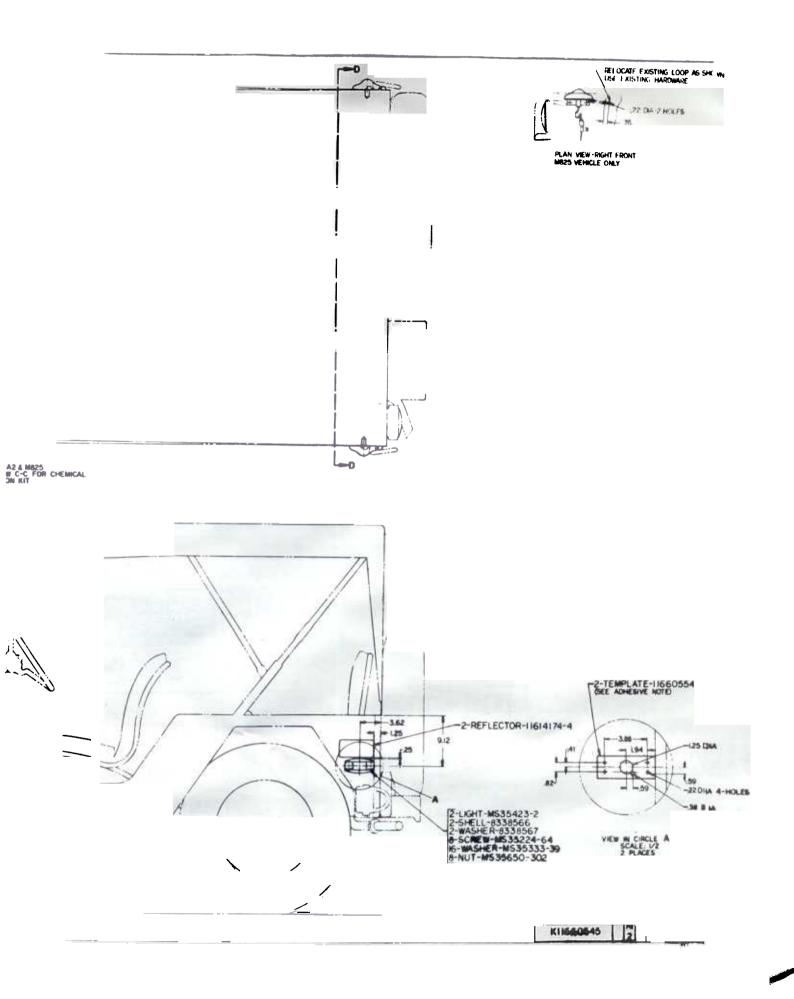
CHECKER ENGINEER

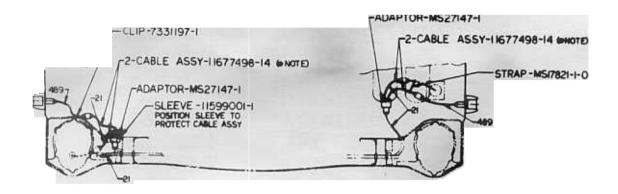
SIZE CODE DENT. NO.

A 19207 1660565

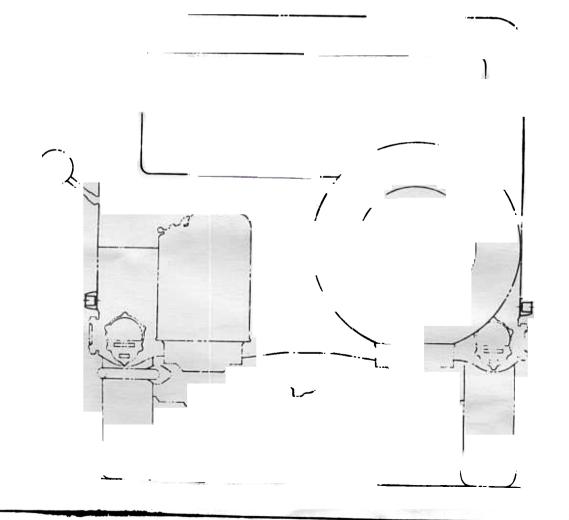
SCALE: UNIT WY. SHEET 33 of 33

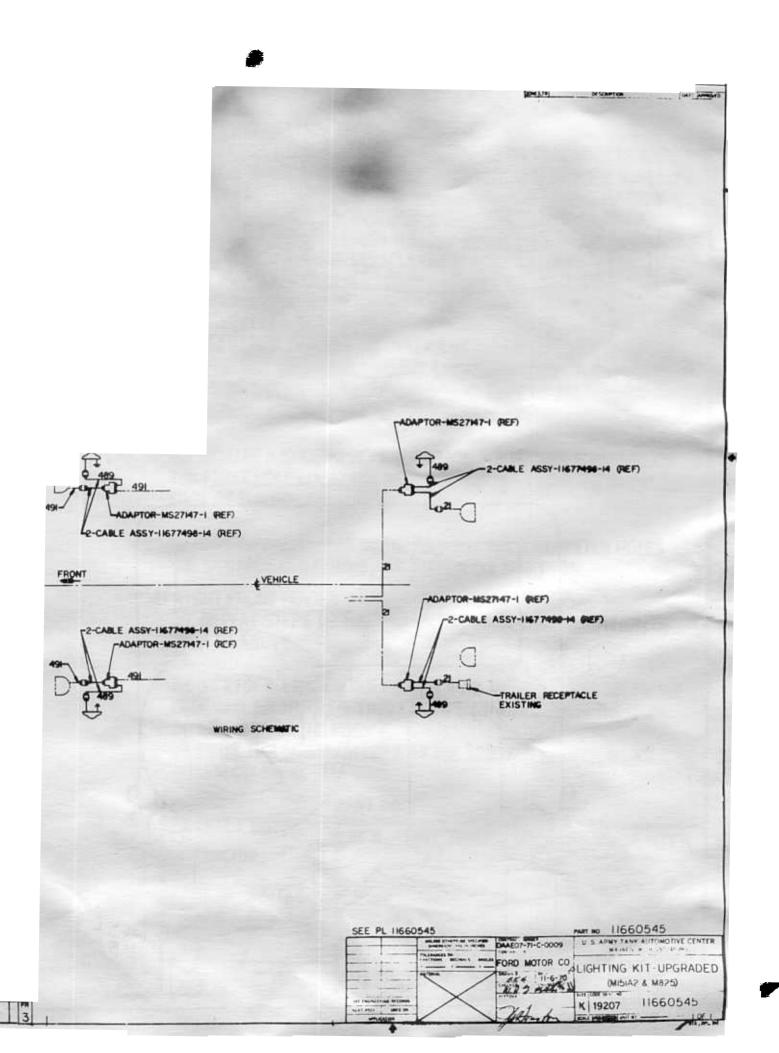


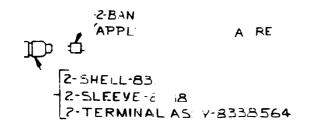


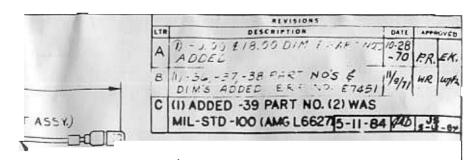


SECTION D-D SHOWN OUT OF POSITION









-CABLE-M13486/1-5 (AS REQUISEE TABULATION PER SPEC MIL-C-!3486

PART NO	. F.,
11677498-1	78.00
11677498-2	5 .00
11677498-3	85.00
11677498-4	8.00
11677498-5	62.10
11677498-6	36.00
11677498-7	136.00
11677498-8	110.00
11677498-9	9.00
11677498-10	22.00
11677498-11	55.00
11677498-12	23.00
11677498-13	37.00
11677498-14	6.00
11677498-15	11.00
11677498-16	64.00
11677498-17	131.00
11677498-18	56.00
11677498-19	24.00

		_
PART NO.	″ L.	
11677498-20	20.00	1
11677498-21	50.00	ļ
11677498-22	176.00	1
11677498-23	26.110	1
11677498-24	96.00	
11677498-25	150.00	ľ
11677498-26	31.00	
11677498-27	105.00	
11677498-28	39.00	
11677498-29	76.00	
11677498-30	158.00	
11677498-31	46.00	
11677498-32	48.00	
11677498-33	84.00	
11677498-34	50.00	~
11677498-35	18.00	
11677498-36	252.00	_
11677498-37	318.00	-30
1677498-38	228.00	
11677498-39	384.00	

NOTE:

CABLE ASSY TO BE ASSEMBLED PEP PARA. 2 OF DWG. 8722729

PART NO. SEE TABULATION THE TAX THE UNLESS OTHERWISE SPECIFIED U.S. ARMY TANK AUTOMOTIVE COMMAND DIRECTION ARE IN INCHES CONTRACTOR WARREN, MICHIGAN 48080 TOLERANCES ON A PLACE 3 PLACE +.50 CABLE ASSY JUMPER MATERIAL SHEE CODE IDENT, ME SEE ENGINEERING RECORDS 11677498 19207 MEAT ASSY USED ON MATL ENGING APPLICATION

