

ROUTINE

MWO effective date is 1 December 2005 and completion date is 1 March 2009.

MWO 9-2350-293-30-3

MODIFICATION WORK ORDER

**MODIFICATION OF
CARRIER, AMMUNITION, TRACKED
M992A2, FIELD ARTILLERY AMMUNITION SUPPORT VEHICLE (FAASV)
(NSN 2350-01-368-9500) (EIC: AKA)**

HEADQUARTERS, DEPARTMENT OF THE ARMY, WASHINGTON, D.C.

1 DECEMBER 2005

REPORTING ERRORS AND RECOMMENDING IMPROVEMENTS

You can help improve this manual. If you find any mistakes or if you know of a way to improve the procedures, please let us know. Mail your letter or DA Form 2028 (Recommended Changes to Publications and Blank Forms), located in the back of this manual, directly to: AMSTA-LC-CI Tech Pubs, TACOM-RI, 1 Rock Island Arsenal, Rock Island, IL 61299-7630. You may also send in your recommended changes via electronic mail or by fax. Our fax number is DSN 793-0726, Commercial (309) 782-0726. Our e-mail address is TACOM-TECH-PUBS@ria.army.mil. A reply will be furnished to you.

DISTRIBUTION STATEMENT A: Approved for public release; distribution is unlimited.

- PURPOSE.** The purpose of this Modification Work Order (MWO) is to provide instructions for installing three selected upgrades to the FAASV. The three selected upgrades are as follows:
 - Modular Artillery Charge System (MACS). MACS will replace bagged powder used for propellant in Howitzers such as the M109A6 Paladin. In order to efficiently stow, transport and transfer MACS, the FAASV required a number of material changes which are included in the MWO.
 - Engine Compartment HALON Bottle Replacement. The engine compartment HALON fire extinguishers will be replaced with new extinguishers that use a non-ozone depleting agent (HFC-227ea – FM 200).
 - Up-Powered Auxiliary Power Unit (APU), 10kW, replaces ONAN DJEAM and HATZ 2G40 APU Systems.
- PRIORITY.** This modification is classified as ROUTINE.

3. END ITEM TO BE MODIFIED.

- a. Field Artillery Ammunition Support Vehicle (FAASV), M992A2.
- b. The vehicle National Stock Number (NSN) will not change as a result of this MWO.

Table 3-1. End Item To Be Modified

Nomenclature	National Stock Number	End Item Code	Part Number	CAGEC	Model Number
Carrier, Ammunition, Tracked	2350-01-368-9500	AKA	8750264	19207	M992A2

4. MODULE(S) (COMPONENTS, ASSEMBLIES, SUBASSEMBLIES, BOARDS, AND CARDS) TO BE MODIFIED. Not applicable to this MWO.

5. PARTS TO BE MODIFIED. The following items, whether installed or in PLL/ASL or depot stock, shall be modified:

Table 5-1. Parts To Be Modified

Nomenclature	National Stock Number	CAGEC	Part Number
Bracket, Eye, Nonrotating	3040-01-179-9207	19207	12330625
Bracket, Mounting	5340-01-179-9026	19207	12330406
Bracket, Mounting	5340-01-179-9030	19207	12330728
Cable Assembly, Power	6150-01-396-2828	19207	12330252-2
Post, Support Compartment	2590-01-175-0328	19207	12330644
Rack, Ammunition Stowage	2590-01-179-9033	19207	12438953
Structural Section	9520-01-179-9269	19207	12351654
Structural Section	9540-01-179-9271	19207	12329712
Structural Section	9540-01-179-9272	19207	12330738

6. APPLICATION.

- a. Time compliance schedule: MWO effective date is 1 December 2005 and completion date is 1 March 2009.
- b. The lowest level of maintenance authorized to apply this MWO is Direct Support Maintenance.
- c. Work force and man-hour requirements for application of the MWO to a single unit, end item, or system are as follows:

Table 6-1. Man-Hour Requirements

Work Force/Skills	Man-Hours	Man-Hours w/o Disassembly
Mechanic (Certified)	60	44

- d. There are no MWOs applied prior to or concurrently with the application of this MWO.
- e. Additional information deemed necessary and supplied as Government Furnished Equipment (GFE) to assist in the application of this MWO as follows:

Table 6-2. Government Furnished Equipment

Nomenclature	National Stock Number	CAGEC	Part Number	QTY
Plate, Identification		19207	12496842	1
Label, Warning		19207	12496817	3
Shim	5365-00-886-1231	19207	10898063	AR
Shim	5365-01-524-1909	19207	12488997	AR
Shim	5365-01-523-1675	19207	12492099-1	AR
Shim	5365-01-523-1589	19207	12492099-2	AR
Shim Seal		19207	12492102-1	AR
Shim Seal		19207	12492102-2	AR
Plate, Spacer (S/N 1-33)	5365-01-525-8001	19207	12498380	1
Rubber Seal Strip (S/N 1-33)	5330-01-184-4892	19207	12332986-2	1
Screw, Cap, Hexagon Head (S/N 1-33)	5305-00-821-3869	80204	B1821BH038C175N	4
Screw, Cap, Hexagon Head	5306-00-068-0513	80204	B1821BH025F075N	2
Screw, Tapping	5305-00-855-0958	80205	MS24629-45	4
Washer, Flat (S/N 1-33)	5310-00-773-7618	96906	MS15795-814	2
Washer, Lock (S/N 1-33)	5310-00-984-7042	96906	MS35338-141	2
Set Screw (S/N 1-33)	5305-00-724-5383	80205	MS51029-75	1
Insert, Screw Thread (S/N 1-33)	5325-01-066-2840	96906	MS51831-104	1

7. TECHNICAL PUBLICATIONS AFFECTED/CHANGED.**Table 7-1. Technical Publications Affected/Changed**

Technical Publication	Date
TM 9-2350-293-10	December 17, 2001
TM 9-2350-293-20&P	December 17, 2001
TM 9-2350-293-34&P	December 17, 2001

8. MWO KITS, PARTS, AND THEIR DISPOSITION.

- a. The following table lists the kits needed to accomplish this MWO. The security classification of the kit is unclassified. Shipping data is as follows:

Table 8-1. MWO Kits

Nomenclature	National Stock Number	CAGEC	Part Number	QTY
Modular Artillery Charge System (MACS)	TBD	19207	57K3270	1
Engine Compartment HALON Bottle Replacement	TBD	19207	57K3271	1
Up-Powered Auxiliary Power Unit (APU), 10kW	TBD	19207	57K3272	1

- b. The following three tables are lists of component parts of this MWO. These lists can be used to inventory the kit for completeness.

Table 8-2. Modular Artillery Charge System (MACS) Parts List – 57K3270

Nomenclature	National Stock Number	CAGEC	Part Number	QTY	Item No.
Plug, Pipe	4730-01-428-6974	30780	3/4 HHPS	2	1
Dummy Connector, Plug	5935-00-214-0904	19207	7982907	3	2
Shell, Electrical Connector	5935-00-572-9180	19207	8338566	3	3
Nut, Self-Locking, Hexagon	5310-00-873-6955	19207	8712289-7	4	4
Pin, Grooved, Headed	5315-00-933-7240	19207	10888574	2	5
Strap, Tiedown	5975-00-345-8055	19207	10905840	6 FT.	6
Washer, Flat	5310-00-865-9513	19200	10910174-1	32	7
Washer, Flat	5310-00-877-5972	19200	10910174-3	2	8
Washer, Flat	5310-00-866-5293	19200	10910174-4	6	9
Washer, Flat	5310-00-866-4417	19200	10910174-5	2	10
Washer, Flat	5310-00-877-7527	19200	10910174-8	8	11
Washer, Flat	5310-00-000-0079	19200	10901074-33	4	12
Washer, Flat	5310-00-395-3602	19200	10910174-34	16	13
Screw, Cap, Hexagon Head	5305-00-882-6090	19207	10936163-1	4	14
Support, Rifle Mounting	2590-00-264-8828	19207	11630594	1	15
Mat, Floor	2540-01-161-7724	19207	12329304-1	1	16
Seal, Nonmetallic Strip	5330-01-382-4264	19207	12329406-3	1	17
Mount, Resilient	5340-01-179-4123	19207	12330367	16	18
Gasket	5330-01-199-5485	19207	12333501	1	19
Washer, Flat	5365-01-183-8419	19207	12333523-1	4	20
Washer, Flat	5310-01-183-8418	19207	12333523-2	4	21
Latch, Rim	5340-01-188-5114	19207	12351588	1	22
Shim	5365-01-472-5933	19207	12351749-3	1	23
Clip, Spring Tension	5340-01-329-8582	19207	12367450	1	24
Anti-Fatigue Mat	2540-01-522-7749	19207	12488996	1	25
2X8 Honeycomb, Assembly	2590-01-824-4198	19207	12489005	1	26
Strike, Upper Rear Door		19207	12489009	1	27
Door, Right, Locking Plate	5340-01-525-3552	19207	12489010	1	28
Pillow Block	3130-01-524-2242	19207	12489014	2	29
Rear Floor	2510-01-525-3525	19207	12489017	1	30
Rear Platform		19207	12489018	1	31
Front Mounting Bracket	5340-01-524-4671	19207	12489026	2	32
Lip Seal Assembly, Upper Right Rear Door	5330-01-525-2778	19207	12489027	1	33
Shim Plate	5365-01-524-1918	19207	12489028	1	34

8. MWO KITS, PARTS, AND THEIR DISPOSITION (continued).

Table 8-2. Modular Artillery Charge System (MACS) Parts List – 57K3270 (continued)

Nomenclature	National Stock Number	CAGEC	Part Number	QTY	Item No.
Plate, Reinforcement	5340-01-524-5102	19207	12489034	1	35
Mounting Bracket, Folding Step	5340-01-524-2944	19207	12489037	2	36
4X6 Honeycomb, Assembly	2590-01-525-5119	19207	12489039	1	37
Angle, Bracket	5340-01-524-3200	19207	12492056-1	1	38
Angle, Bracket	5340-01-524-5096	19207	12492056-2	1	39
Rear Door, Left, Assembly	2510-01-522-9145	19207	12492058	1	40
Vehicle Hinge	2510-01-524-9249	19207	12492060	4	41
Rear Door, Right, Assembly	2510-01-522-9146	19207	12492061	1	42
Lip Seal Assembly, Lower Right Rear Door		19207	12492064	1	43
Angle, Bracket	5340-01-524-3258	19207	12492066-1	1	44
Angle, Bracket	5340-01-524-5029	19207	12492066-2	1	45
Plate, Shim	5365-01-524-3325	19207	12492067-1	5	46
Plate, Shim	5365-01-524-2241	19207	12492067-2	1	47
Vertical Stowage Assembly	2590-01-524-9454	19207	12492068	1	48
Locking Bracket Assembly	2540-01-524-9190	19207	12492069-1	1	49
Locking Bracket Assembly	2540-01-525-7167	19207	12492069-2	1	50
Shelf, Middle, Assembly		19207	12492073	1	51
Lip Seal, Upper Left Door	5330-01-525-0646	19207	12492084	1	52
Lip Seal, Lower Left Door	5330-01-525-1949	19207	12492085	1	53
Mounting Bracket, Isolator	5340-01-524-2916	19207	12492087	3	54
Mounting Pad, Isolator	5340-01-524-2927	19207	12492088	1	55
Shim	5365-01-524-8255	19207	12492089	4	56
Ratchet Webbing Assembly	5340-01-522-7381	19207	12492091-1 (6 FT)	4	57
Ratchet Webbing Assembly	5340-01-522-8153	19207	12492091-2 (10 FT)	4	58
Spacer, Plate	5365-01-524-8569	19207	12496340	1	59
Plate, Latch Mounting	5340-01-524-8900	19207	12496341	1	60
Rubber Strip, Cellular	5330-01-523-0268	19207	12496349	2	61
Spacer, Mounting Bracket, Isolator	5340-01-524-3211	19207	12496816	2	62
Spacer	5365-01-524-6065	19207	12496823	1	63
Screw, Cap, Socket Low Head		19207	12496826-1	4	64
Screw, Cap, Socket Low Head		19207	12496826-2	3	65
Screw, Cap, Hexagon Head	5305-00-071-2507	80204	B1821BH025C044N	34	66
Screw, Cap, Hexagon Head	5305-00-071-2506	80204	B1821BH025C050N	9	67
Screw, Cap, Hexagon Head	5305-00-225-3844	80204	B1821BH025C056N	14	68
Screw, Cap, Hexagon Head	5305-00-068-7837	80204	B1821BH025C063N	25	69
Screw, Cap, Hexagon Head	5305-00-068-0508	80204	B1821BH025C075N	47	70
Screw, Cap, Hexagon Head	5305-00-225-3843	80204	B1821BH025C100N	3	71
Screw, Cap, Hexagon Head	5305-00-068-0509	80204	B1821BH025C125N	60	72
Screw, Cap, Hexagon Head	5305-00-071-2513	80204	B1821BH025C250N	20	73
Screw, Cap, Hexagon Head	5305-00-071-2514	80204	B1821BH025C275N	5	74
Screw, Cap, Hexagon Head	5305-00-071-2515	80204	B1821BH025C300N	12	75
Screw, Cap, Hexagon Head	5305-00-071-2519	80204	B1821BH025C400N	4	76
Screw, Cap, Hexagon Head	5305-00-267-8964	80204	B1821BH025F350N	8	77
Screw, Cap, Hexagon Head	5305-00-226-4831	80204	B1821BH031C150N	4	78
Screw, Cap, Hexagon Head	5306-00-226-4837	80204	B1821BH031C300N	3	79
Screw, Cap, Hexagon Head	5306-00-226-4838	80204	B1821BH031C325N	1	80

8. MWO KITS, PARTS, AND THEIR DISPOSITION (continued).**Table 8-2. Modular Artillery Charge System (MACS) Parts List – 57K3270 (continued)**

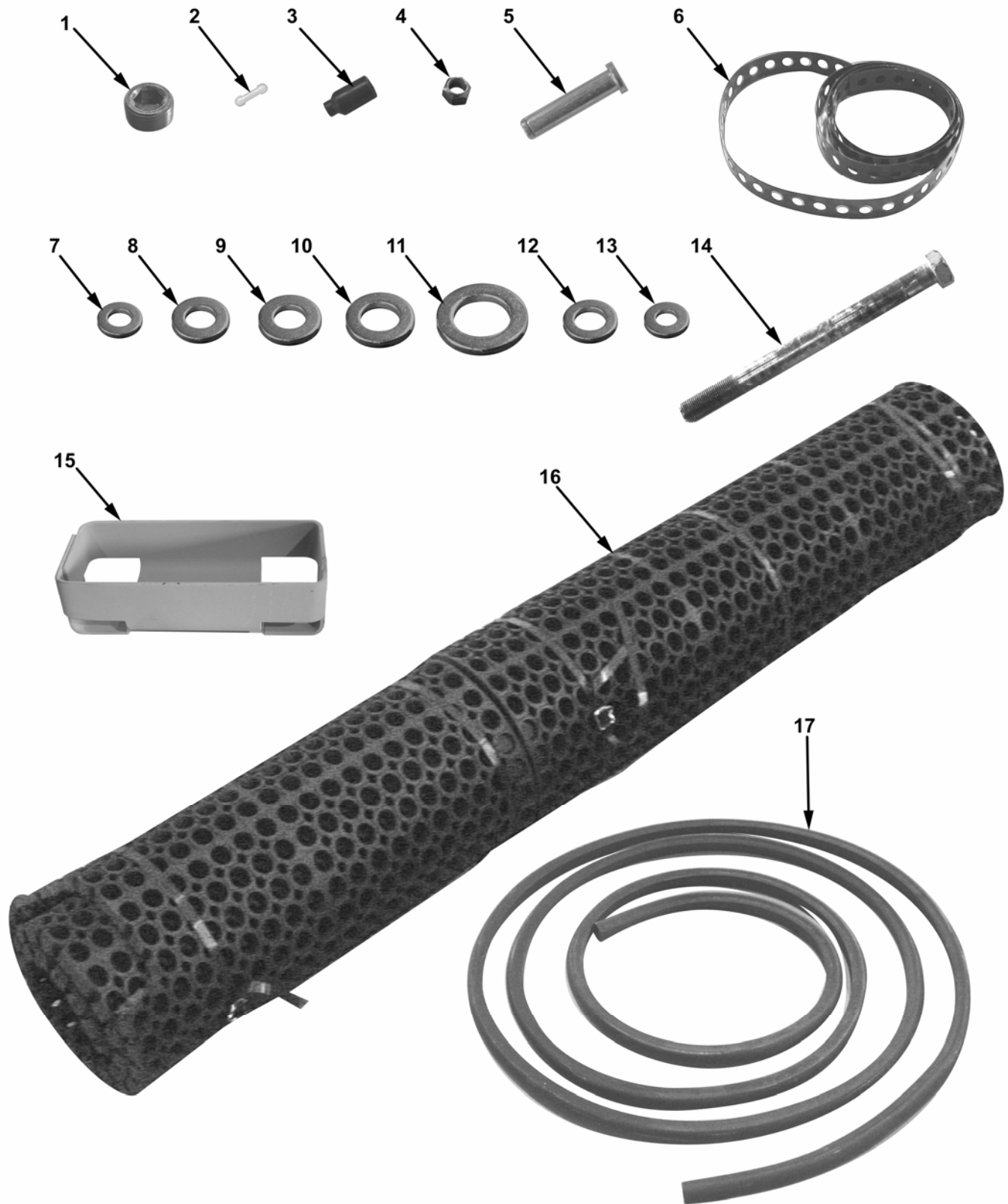
Nomenclature	National Stock Number	CAGEC	Part Number	QTY	Item No.
Screw, Cap, Hexagon Head	5305-00-051-4078	80204	B1821BH031F125N	2	81
Screw, Cap, Hexagon Head	5305-01-140-9118	80204	B1821BH038C088N	12	82
Screw, Cap, Hexagon Head	5305-00-068-0510	80204	B1821BH038C100N	9	83
Screw, Cap, Hexagon Head	5305-00-068-0511	80204	B1821BH038C125N	16	84
Screw, Cap, Hexagon Head	5305-00-846-5703	80204	B1821BH038C300N	3	85
Screw, Cap, Hexagon Head	5305-00-269-3229	80204	B1821BH038F038N	4	86
Screw, Cap, Hexagon Head	5305-00-269-3240	80204	B1821BH038F150N	1	87
Screw, Cap, Hexagon Head	5305-00-071-1786	80204	B1821BH044C100N	24	88
Screw, Cap, Hexagon Head	5305-00-071-1788	80204	B1821BH044C125N	12	89
Screw, Cap, Hexagon Head	5305-00-071-2055	80204	B1821BH044C150N	4	90
Screw, Cap, Hexagon Head	5305-00-071-2056	80204	B1821BH044C175N	4	91
Screw, Cap, Hexagon Head	5305-00-071-2057	80204	B1821BH044C200N	8	92
Screw, Cap, Hexagon Head	5305-00-071-2058	80204	B1821BH044C225N	7	93
Screw, Cap Hexagon Head	5305-00-071-2061	80204	B1821BH044C300N	2	94
Screw, Cap, Hexagon Head	5305-00-926-5518	80204	B1821BH044C325N	10	95
Screw, Cap, Hexagon Head	5305-01-524-3294	80204	B1821BH044C350N	6	96
Screw, Cap, Hexagon Head	5305-01-288-8875	80204	B1821BH044C375N	2	97
Screw, Cap, Hexagon Head	5305-00-071-2066	80204	B1821BH050C100N	3	98
Screw, Cap, Hexagon Head	5305-00-071-2067	80204	B1821BH050C125N	1	99
Screw, Cap, Hexagon Head	5305-00-011-2069	80204	B1821BH050C150N	4	100
Screw, Cap, Hexagon Head	5305-00-724-7220	80204	B1821BH063C150N	2	101
Screw, Cap, Hexagon Head	5305-00-727-2283	80204	B1821BH063F150N	2	102
Screw, Cap, Hexagon Head	5305-00-947-4353	80204	B1821BH075C275N	8	103
Screw, Cap, Hexagon Head	5305-00-947-4359	80204	B1821BH075C425N	12	104
Nut, Self-locking, Hexagon	5310-00-984-3807	81349	M45913/1-5FG5C	2	105
Nut, Self-locking, Hexagon	5310-00-225-6993	81349	M45913/1-8CG5C	1	106
Washer, Flat	5310-00-582-5677	80205	MS15795-810	4	107
Washer, Flat	5310-00-462-9126	80205	MS15795-812	19	108
Washer, Flat	5310-00-773-7618	80205	MS15795-814	38	109
Washer, Flat	5310-00-184-8628	80205	MS15795-816	54	110
Washer, Flat	5310-00-614-3506	80205	MS15795-817	2	111
Washer, Flat	5310-00-614-3505	80205	MS15795-820	4	112
Washer, Flat	5310-00-584-7799	80205	MS15795-822	40	113
Washer, Flat	5310-01-304-8733	80205	MS15795-852	140	114
Ring, Retaining	5368-00-514-0393	96906	MS16624-4087	3	115
Ring, Retaining	5325-00-442-5845	96906	MS16633-1050	2	116
Screw, Cap, Socket Head	5305-00-981-3512	80205	MS16995-79	2	117
Screw, Cap, Socket Head	5305-00-983-8084	96906	MS16997-60	4	118
Screw, Cap, Socket Head	5305-00-983-6651	96906	MS16998-27	4	119
Nut, Self-Locking, Hexagon	5310-00-050-6646	96906	MS17830-6C	11	120
Nut, Self-Locking, Hexagon	5310-01-082-2060	80205	MS17830-7C	19	121
Pin, Straight, Headed	5315-01-359-2443	96906	MS20392-5R91	1	122
Washer, Flat	5310-00-865-6073	96906	MS21306-1	4	123
Clamp, Loop	5340-00-984-8540	96906	MS21333-102	1	124
Pin, Cotter	5315-00-234-1864	80205	MS24665-302	1	125
Screw, Cap, Socket Head	5305-00-052-2235	96906	MS24667-75	3	126
Screw, Cap, Socket Head	5305-00-938-7827	80205	MS24671-31	8	127
Screw, Cap, Socket Head	5305-01-084-4671	80205	MS24671-38	1	128
Screw, Cap, Socket Head	5305-00-234-7813	80205	MS24671-41	2	129

8. MWO KITS, PARTS, AND THEIR DISPOSITION (continued).

Table 8-2. Modular Artillery Charge System (MACS) Parts List – 57K3270 (continued)

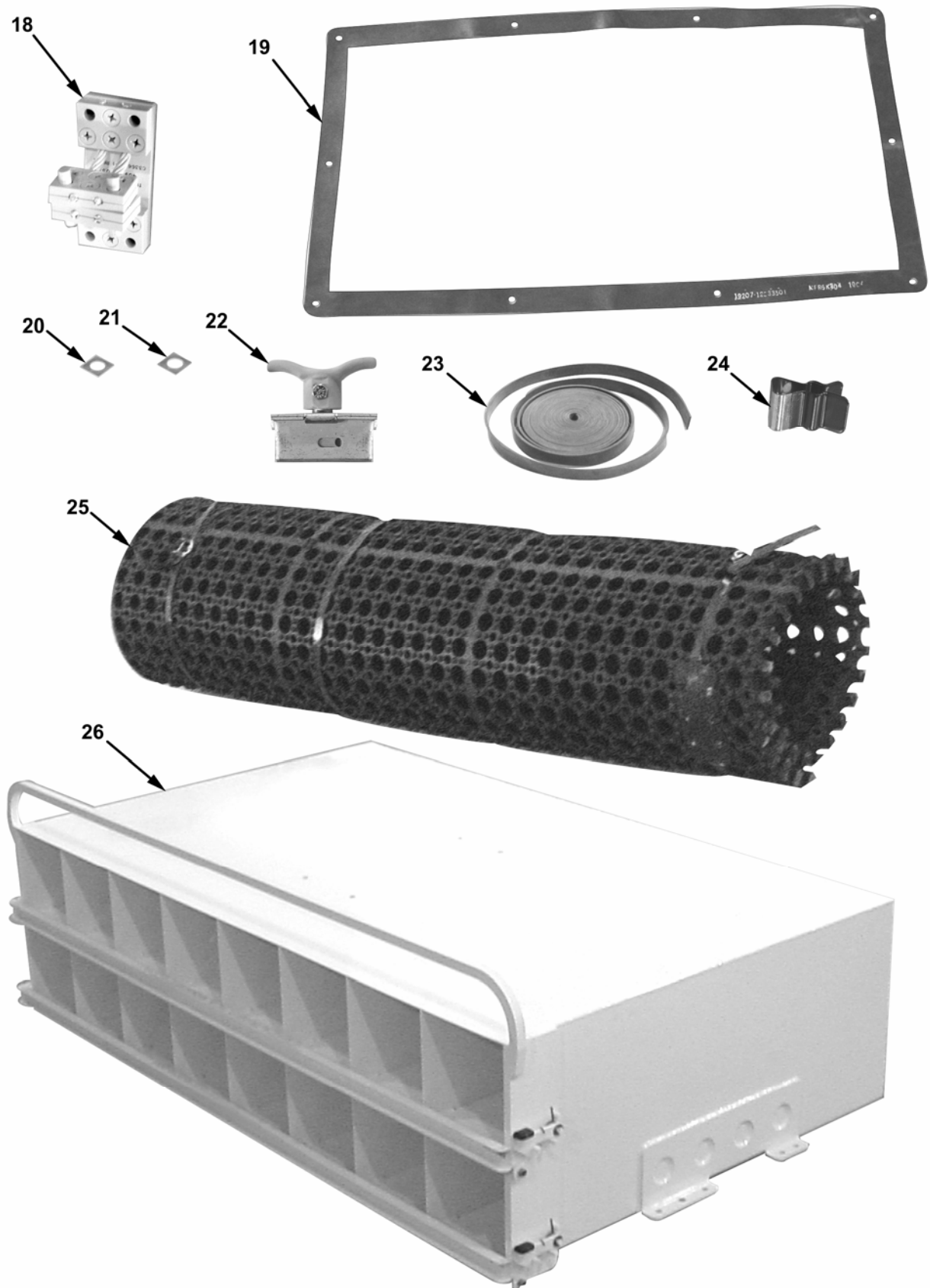
Nomenclature	National Stock Number	CAGEC	Part Number	QTY	Item No.
Cover, Electrical Connector	5935-01-183-6488	96906	MS25042-12DA	1	130
Cover, Electrical Connector	5935-01-189-3220	36378	MS25042-16DA	2	131
Cover, Electrical Connector	5935-01-079-2522	96906	MS25042-22DA	1	132
Washer, Flat	5310-00-809-4058	96906	MS27183-10	28	133
Washer, Flat	5310-00-080-6004	96906	MS27183-14	13	134
Washer, Flat	5310-00-809-5997	96906	MS27183-17	3	135
Washer, Flat	5310-00-080-6004	96906	MS27183-52	10	136
Screw, Machine	5305-00-988-1723	96906	MS35206-279	2	137
Washer, Lock	5310-00-550-1130	96906	MS35333-40	36	138
Washer, Lock	5310-00-209-0786	96906	MS35335-33	6	139
Washer, Lock	5310-00-933-8120	80205	MS35338-138	4	140
Washer, Lock	5310-00-933-8121	80205	MS35338-139	152	141
Washer, Lock	5310-00-974-6623	96906	MS35338-140	15	142
Washer, Lock	5310-00-984-7042	96906	MS35338-141	24	143
Washer, Lock	5310-00-973-8786	96906	MS35338-142	14	144
Washer, Lock	5310-00-937-0453	96906	MS35338-145	4	145
Washer, Lock	5310-00-937-0454	96906	MS35338-146	20	146
Washer, Lock	5310-00-582-5965	80205	MS35338-44	46	147
Washer, Lock	5310-00-637-9541	96906	MS35338-46	6	148
Washer, Lock	5310-00-209-0965	96906	MS35338-47	48	149
Washer, Lock	5310-00-584-5272	96906	MS35338-48	7	150
Washer, Lock	5310-00-274-8715	96906	MS35338-63	14	151
Nut, Wing	5310-00-146-8443	96906	MS35426-31	2	152
Nut, Plain, Hexagon	5310-00-250-9477	96906	MS35649-2254	4	153
Nut, Plain, Hexagon	5310-00-829-9981	96906	MS35649-2312	2	154
Nut, Plain, Hexagon	5310-00-245-3615	80205	MS35649-2314	10	155
Nut, Plain, Hexagon	5310-00-477-6768	96906	MS35649-2384	2	156
Nut, Plain, Hexagon	5310-00-400-5503	96906	MS35650-3254	8	157
Washer, Lock	5310-00-889-2527	96906	MS45904-72	4	158
Set Screw	5305-00-543-2671	80205	MS51029-51	32	159
Set, Screw	5305-00-724-5383	96906	MS51029-75	4	160
Insert, Screw Thread	5325-00-451-8982	96906	MS51831-102	48	161
Insert, Screw Thread	5325-01-066-2840	96906	MS51831-104	18	162
Washer, Lock	5310-01-020-5947	96906	MS51848-52	2	163
Nut, Plain, Hexagon	5310-00-880-8189	96906	MS51967-11	12	164
Nut, Plain, Hexagon	5310-00-761-6882	10988	MS51967-2	7	165
Nut, Plain, Hexagon	5310-00-763-8922	96906	MS51967-24	20	166
Nut, Plain, Hexagon	5310-00-732-0558	96906	MS51967-8	3	167
Nut, Plain, Hexagon	5310-00-903-5966	96906	MS51971-1	36	168
Nut, Plain, Hexagon	5310-00-965-1800	96906	MS51971-4	8	169
Screw, Shouldered	5305-01-229-8016	80205	MS51975-48	1	170
Bolt, Machine	5306-01-075-8519	80205	MS90725-36	2	171
Washer, Flat	5310-00-184-8992	96906	MS9320-14	4	172
Washer, Flat	5310-00-993-8728	81343	MS9549-09	4	173
Screw, Cap, Socket Head		05047	S300NA42CAG29837ANQA1	4	174
Cap, Tube	4730-00-548-3001	02570	SS1610P	1	175
Cap, Tube	4730-00-133-0673	02570	SS-810-P	1	176
Bearing, Washer, Thrust	3120-00-662-0447	71041	TB1225	4	177

8. MWO KITS, PARTS, AND THEIR DISPOSITION (continued).



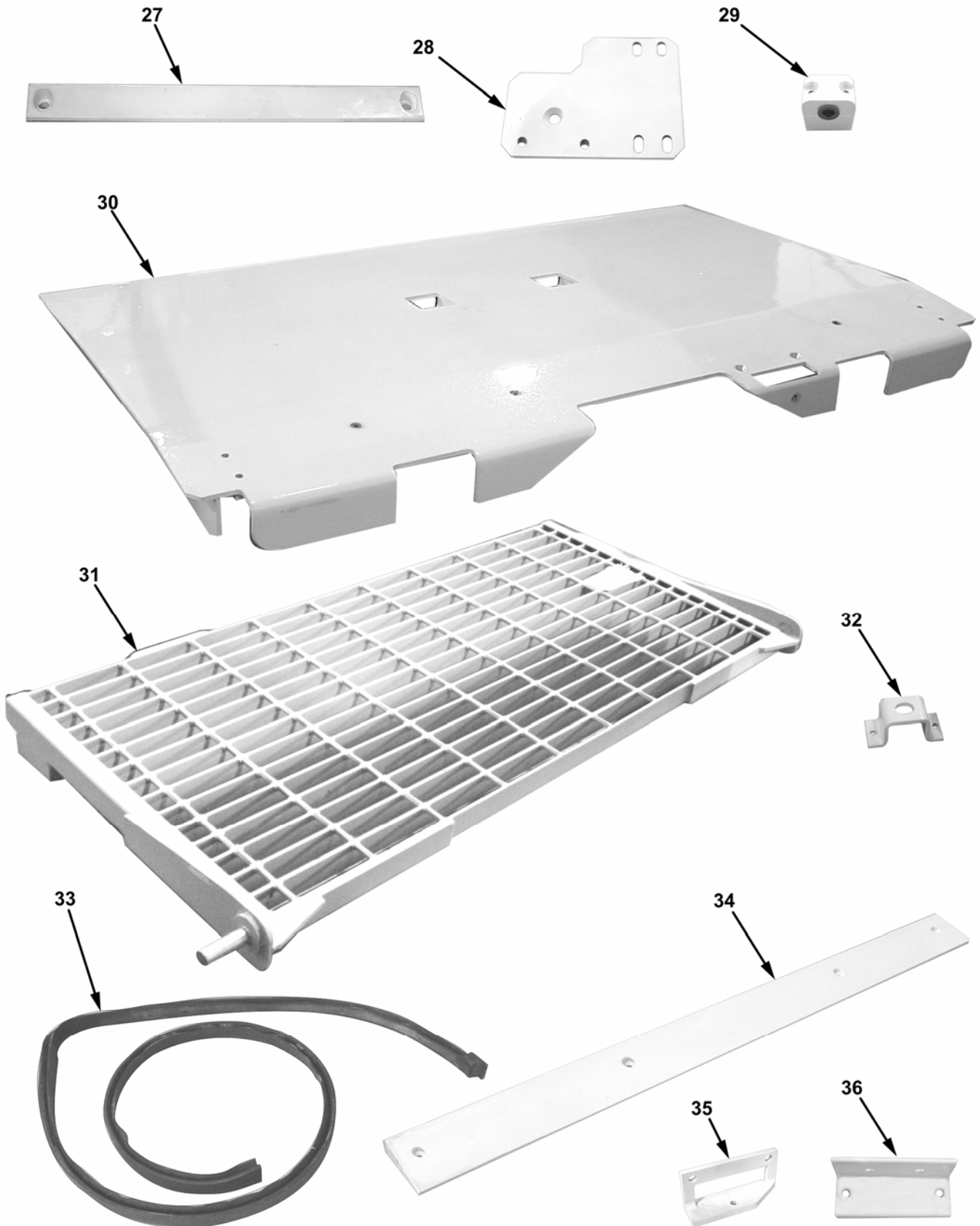
Modular Artillery Charge System (MACS) Parts

8. MWO KITS, PARTS, AND THEIR DISPOSITION (continued).



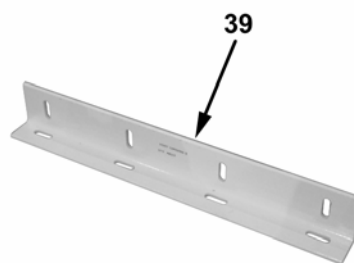
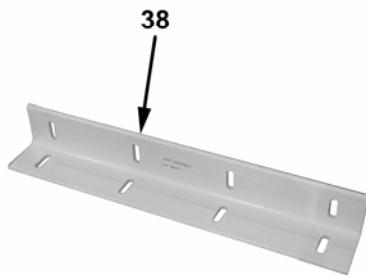
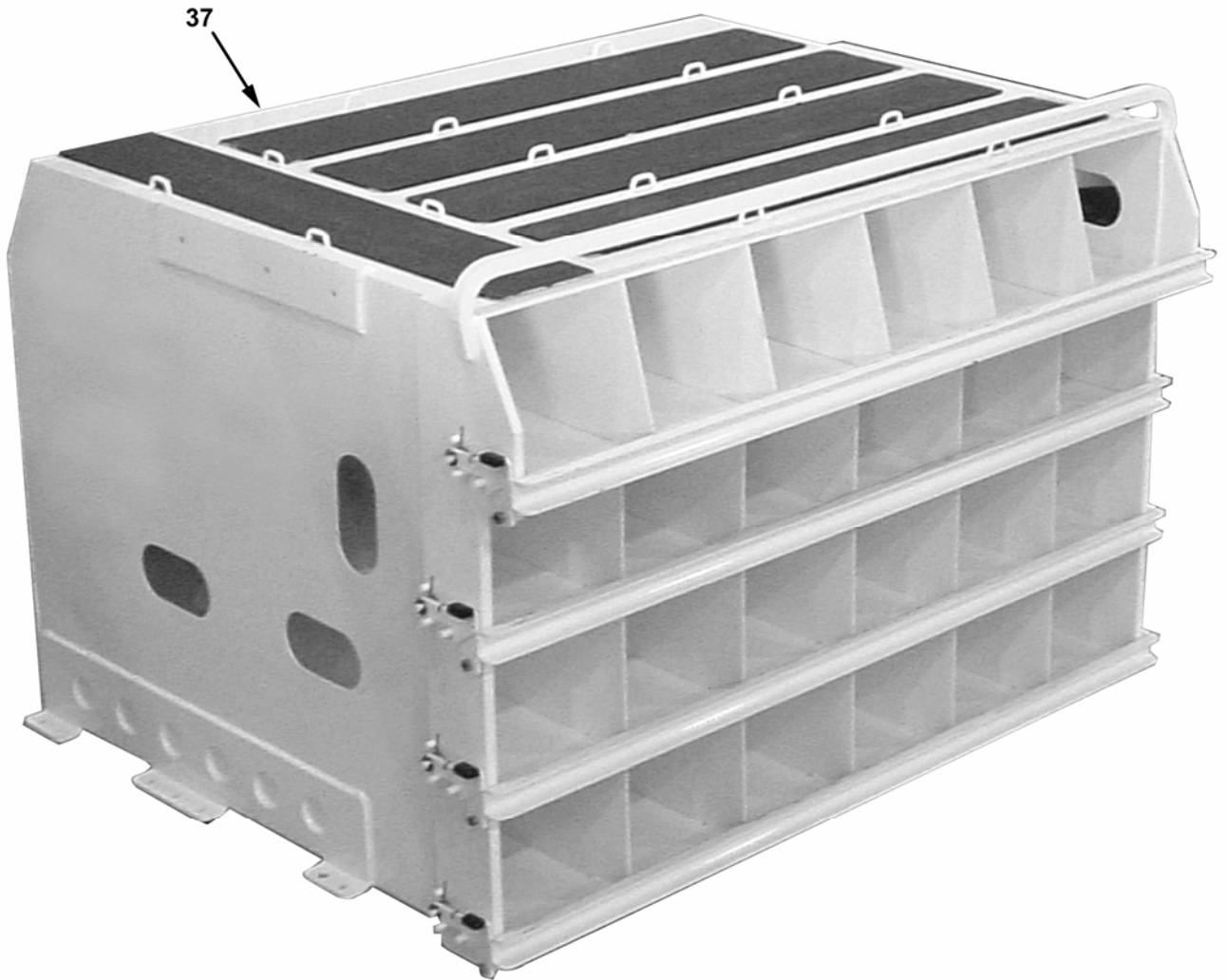
Modular Artillery Charge System (MACS) Parts

8. MWO KITS, PARTS, AND THEIR DISPOSITION (continued).



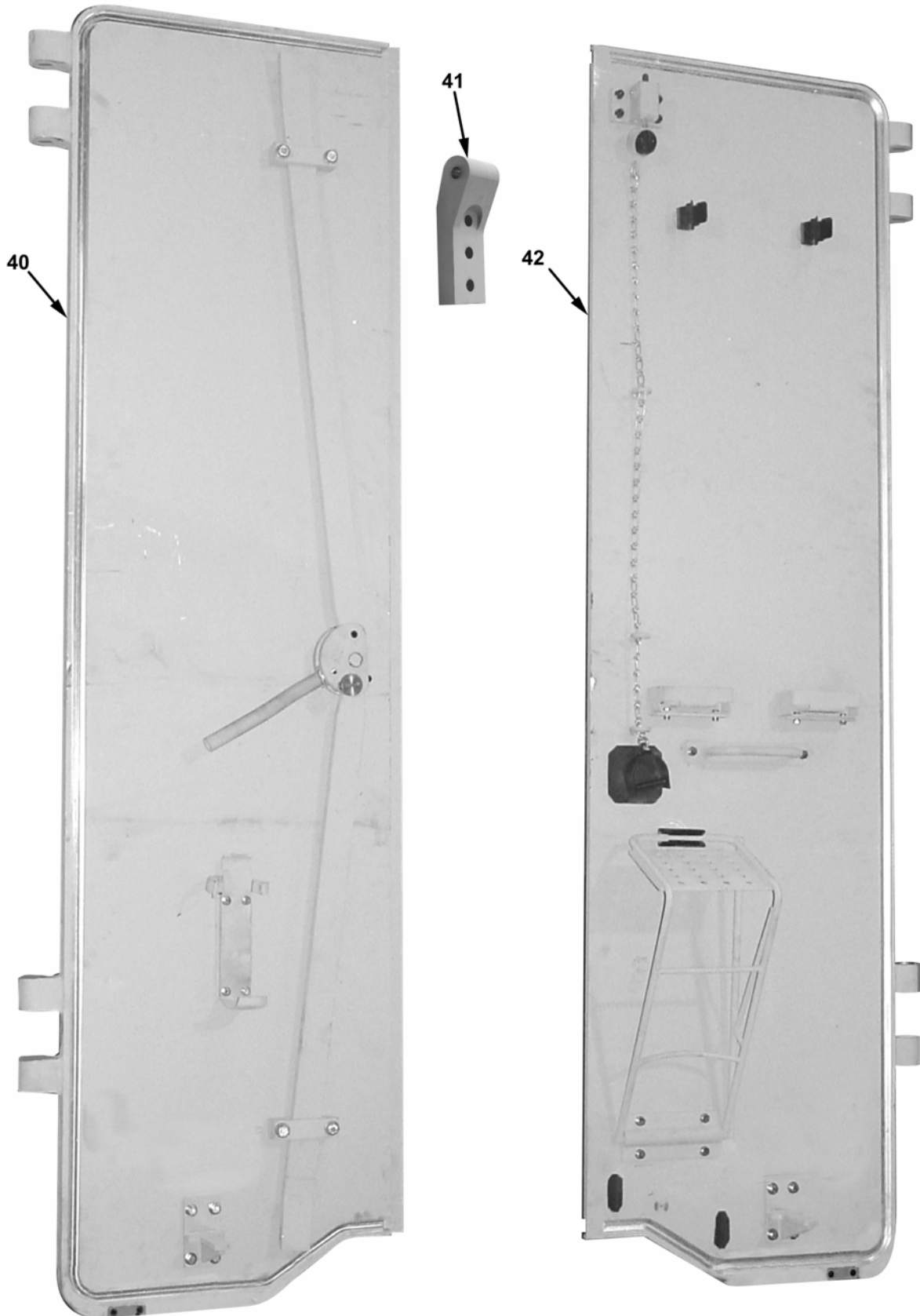
Modular Artillery Charge System (MACS) Parts

8. MWO KITS, PARTS, AND THEIR DISPOSITION (continued).



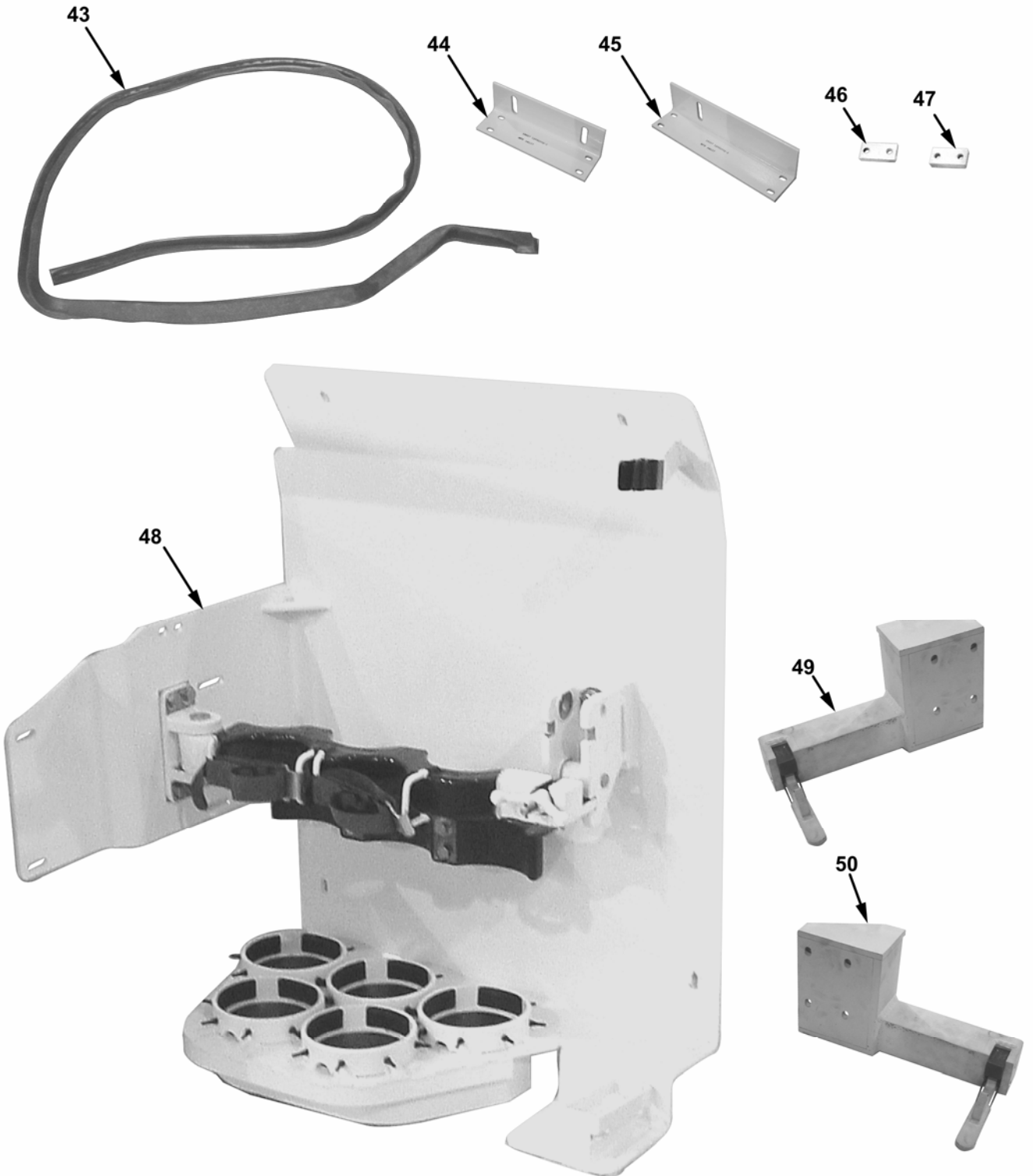
Modular Artillery Charge System (MACS) Parts

8. MWO KITS, PARTS, AND THEIR DISPOSITION (continued).



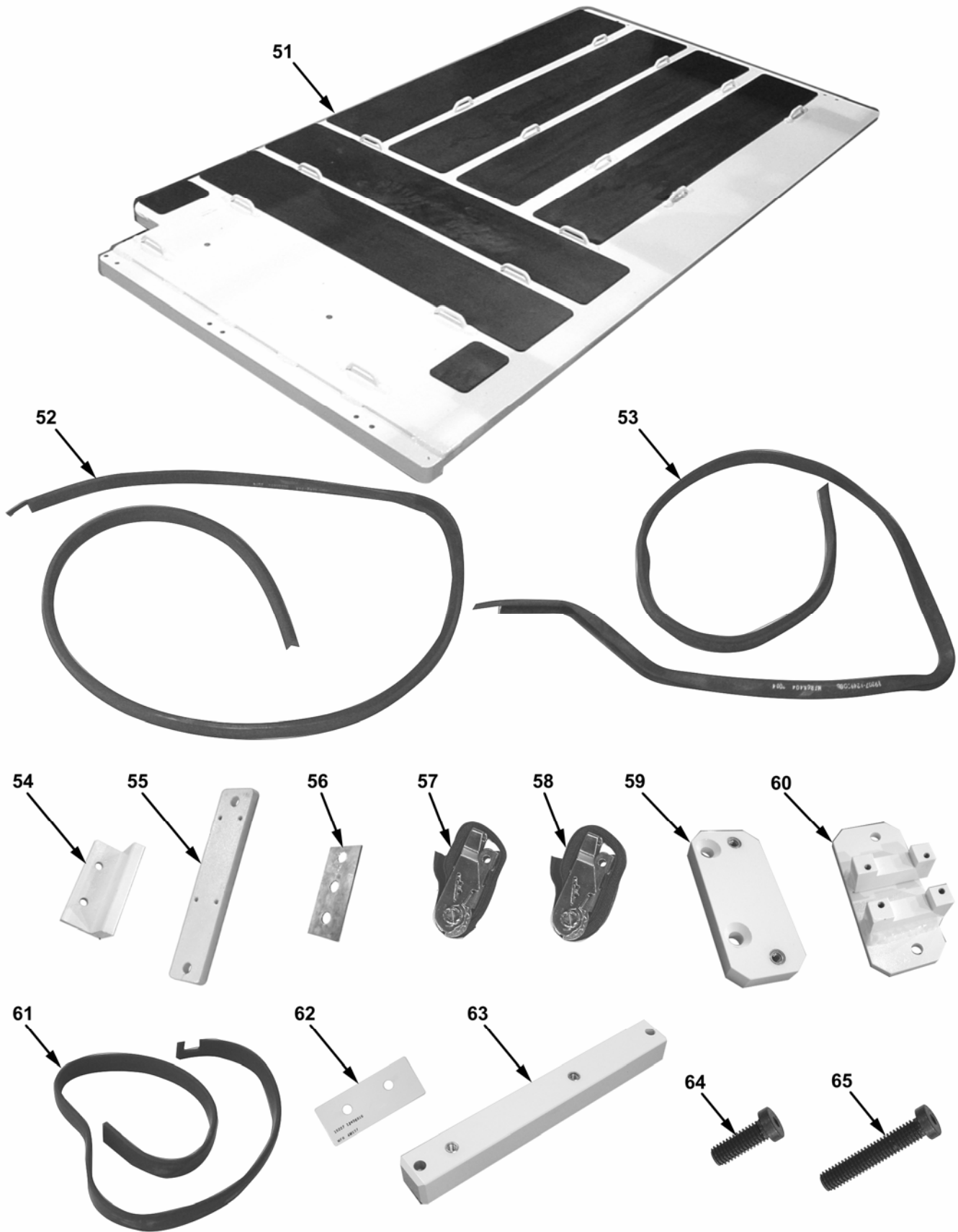
Modular Artillery Charge System (MACS) Parts

8. MWO KITS, PARTS, AND THEIR DISPOSITION (continued).



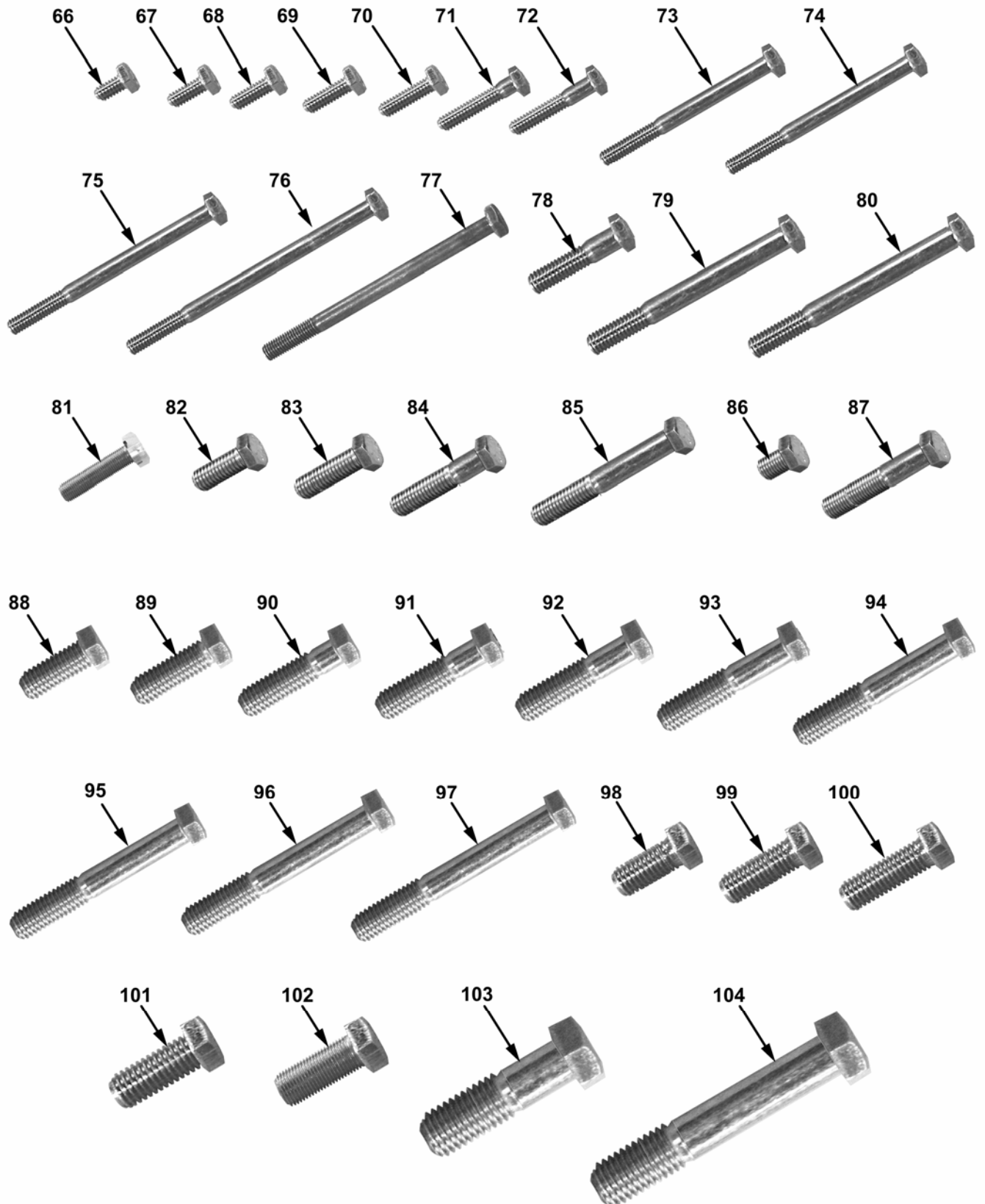
Modular Artillery Charge System (MACS) Parts

8. MWO KITS, PARTS, AND THEIR DISPOSITION (continued).



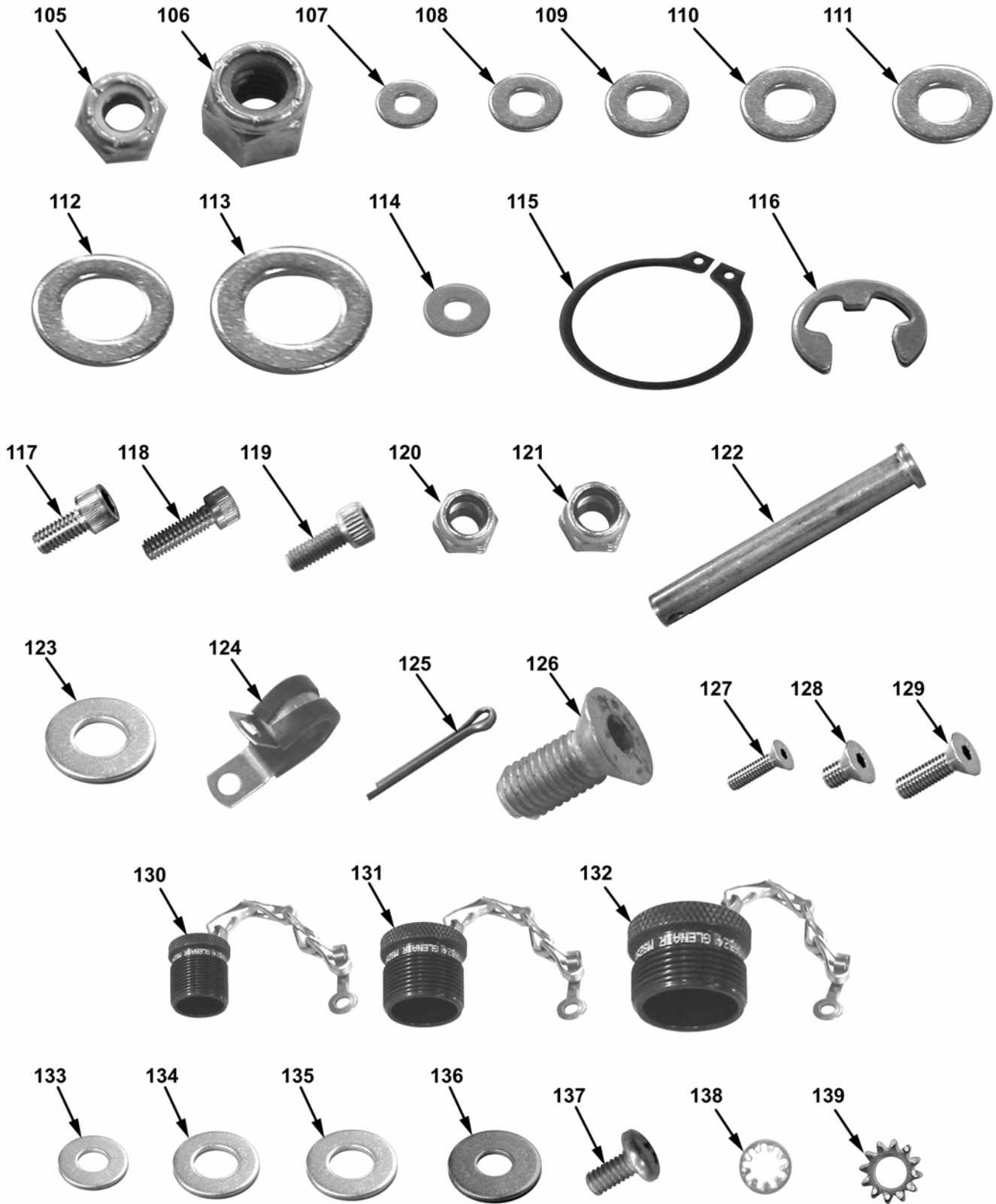
Modular Artillery Charge System (MACS) Parts

8. MWO KITS, PARTS, AND THEIR DISPOSITION (continued).



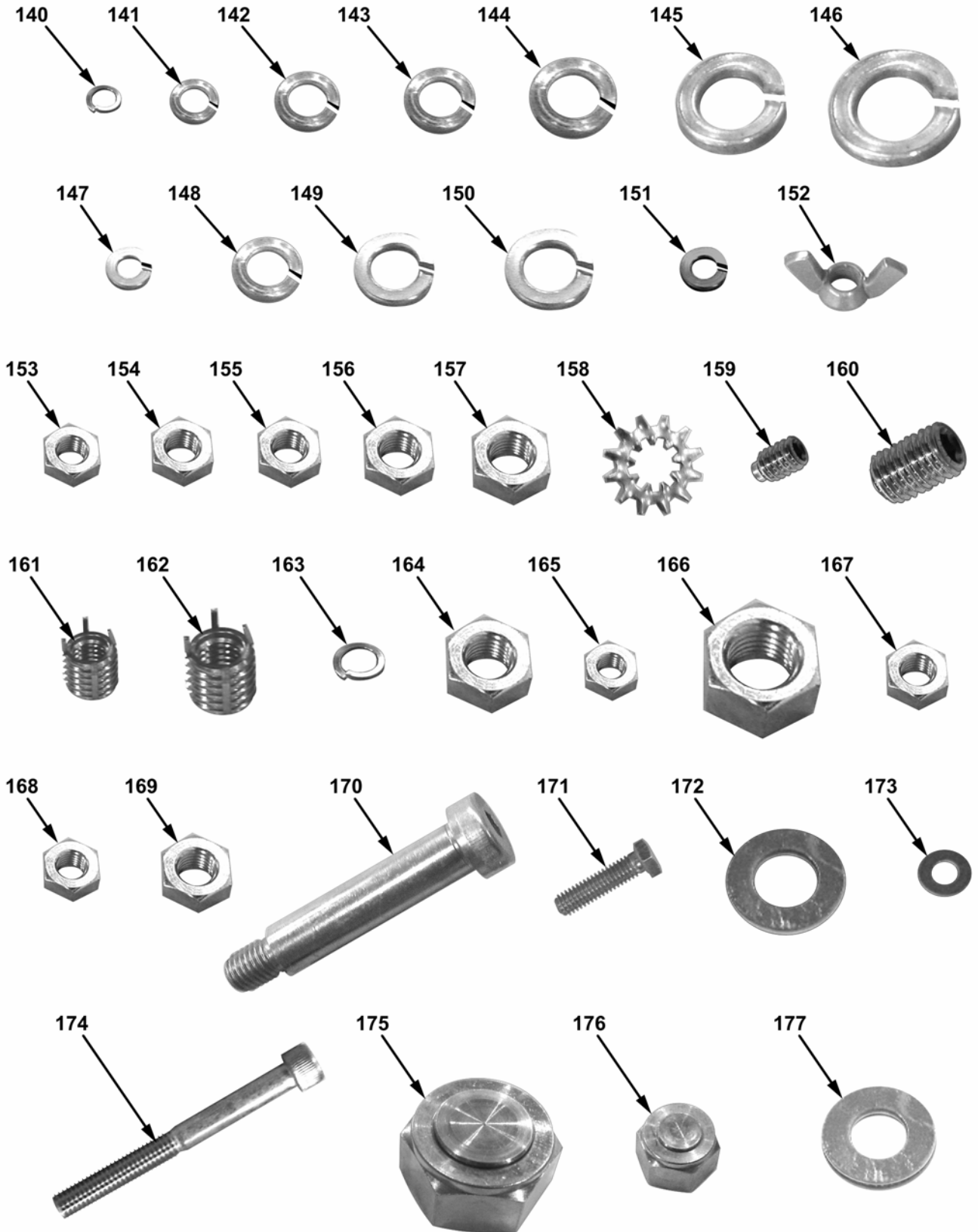
Modular Artillery Charge System (MACS) Parts

8. MWO KITS, PARTS, AND THEIR DISPOSITION (continued).



Modular Artillery Charge System (MACS) Parts

8. MWO KITS, PARTS, AND THEIR DISPOSITION (continued).



Modular Artillery Charge System (MACS) Parts

8. MWO KITS, PARTS, AND THEIR DISPOSITION (continued).

Table 8-3. Engine Compartment HALON Bottle Replacement Parts List – 57K3271

Nomenclature	National Stock Number	CAGEC	Part Number	QTY	Item No.
Extinguisher, Fire FM-200 10 lb.	4210-01-518-5265	19207	12496325-3	2	1
O-Ring	5331-00-251-8839	96906	MS28778-12	2	2
O-Ring	5331-00-819-5111	96906	MS28778-24	2	3



Engine Compartment HALON Bottle Replacement Parts

8. MWO KITS, PARTS, AND THEIR DISPOSITION (continued).**Table 8-4. Up-Powered Auxiliary Power Unit (APU), 10kW Parts List – 57K3272**

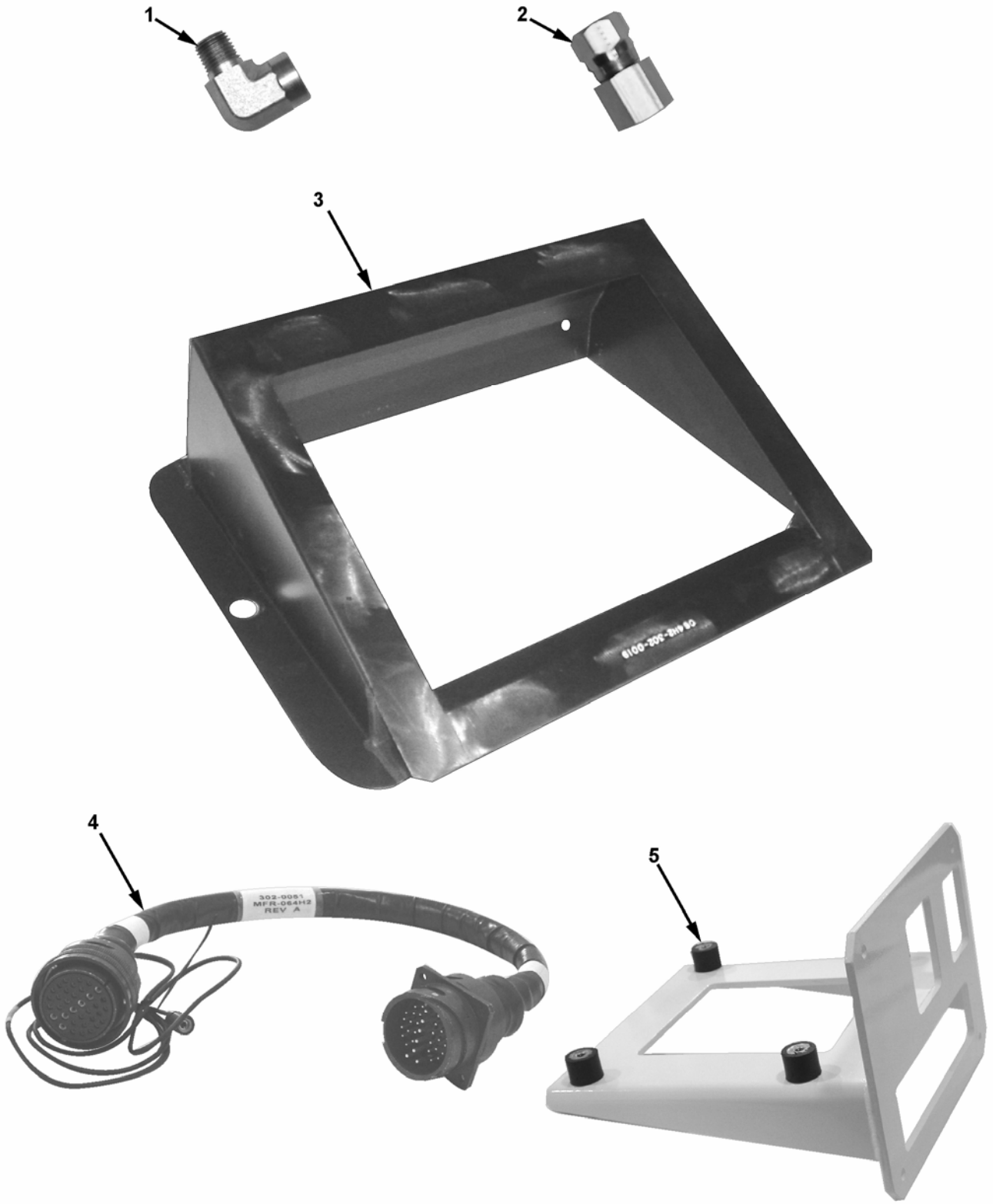
Nomenclature	National Stock Number	CAGEC	Part Number	QTY	Item No.
Elbow, Pipe	4730-00-231-5602	30780	1-4 CD-S	2	1
Adapter	4730-01-525-8555	30780	6-G6X-S	1	2
Duct, Cooling Air Exhaust	2590-01-525-6889	064H2	302-0019	1	3
Harness, Electrical, Control Box	6150-01-525-1116	064H2	302-0051	1	4
Bracket, Mounting, Control Box	5340-01-524-4669	064H2	302-0068	1	5
Assembly, FAASV APU	2815-01-524-4204	064H2	302-9001	1	6
Assembly, Control Box	6110-01-526-5140	064H2	302-9003	1	7
Junction Box, Power Feed-Thru	6110-01-524-2766	064H2	302-9004	1	8
Harness, Electrical, Power	6150-01-524-9097	0J198	903178-1	1	9
Harness, Electrical, Power	6150-01-525-0405	0J198	903178-2	1	10
Harness, Electrical, Power	6150-01-524-9105	0J198	903179-1	1	11
Cover, Power Terminals	5940-01-524-7948	0J198	903181-1	1	12
*Label, Warning		19207	903183	1	13
Cover, Electrical	5935-00-338-2822	19207	7261674	1	14
Coupling, Clamp Grooved	5342-00-796-2335	19207	7962335	2	15
Dummy, Connector, Plug	5935-00-214-0904	19207	7982907	2	16
Shell, Electrical Connector	5935-00-572-9180	19207	8338566	2	17
Shim	5365-00-209-1852	19207	8705544	2	18
Strap, Tiedown, Electrical	5975-00-345-8055	19207	10905840	7 feet	19
Guard, Muffler-Exhaust Pipe	2990-01-412-0138	19207	12329616-1	1	20
Cover, Access	5340-01-330-2426	19207	12370573	2	21
Flange, Exhaust Pipe	2990-01-448-5295	19207	12376296	1	22
Gasket	5330-01-442-6675	19207	12376297	2	23
Spacer, Special Shaped (S/N 1-675)	5365-01-421-5103	19207	12447331	1	24
Muffler, Exhaust		19207	12463232	1	25
Gasket	5330-00-641-4336	58536	A52481-8	2	26
Screw, Cap, Hexagon Head	5305-00-071-2506	80204	B1821BH025C050N	4	27
Screw, Cap, Hexagon Head	5305-00-068-7837	80204	B1821BH025C063N	16	28
Screw, Cap, Hexagon Head	5305-00-225-3843	80204	B1821BH025C100N	4	29
Bolt, Machine	5306-00-068-0513	80204	B1821BH025F075N	7	30
Screw, Cap, Hexagon Head (S/N 1-675)	5305-00-267-8963	80204	B1821BH025F325N	2	31
Screw, Cap, Hexagon Head	5305-00-821-3869	80204	B1821BH038C175N	6	32
Screw, Cap, Hexagon Head	5305-00-781-3926	80204	B1821BH038C275N	4	33
Screw, Cap, Hexagon Head	5305-00-269-3233	80204	B1821BH038F063N	3	34

*NOTE: Warning label P/N 903183 provided, if not installed previously to power terminals over P/N 903181-1.

8. MWO KITS, PARTS, AND THEIR DISPOSITION (continued).**Table 8-4. Up-Powered Auxiliary Power Unit (APU), 10kW Parts List – 57K3272 (continued)**

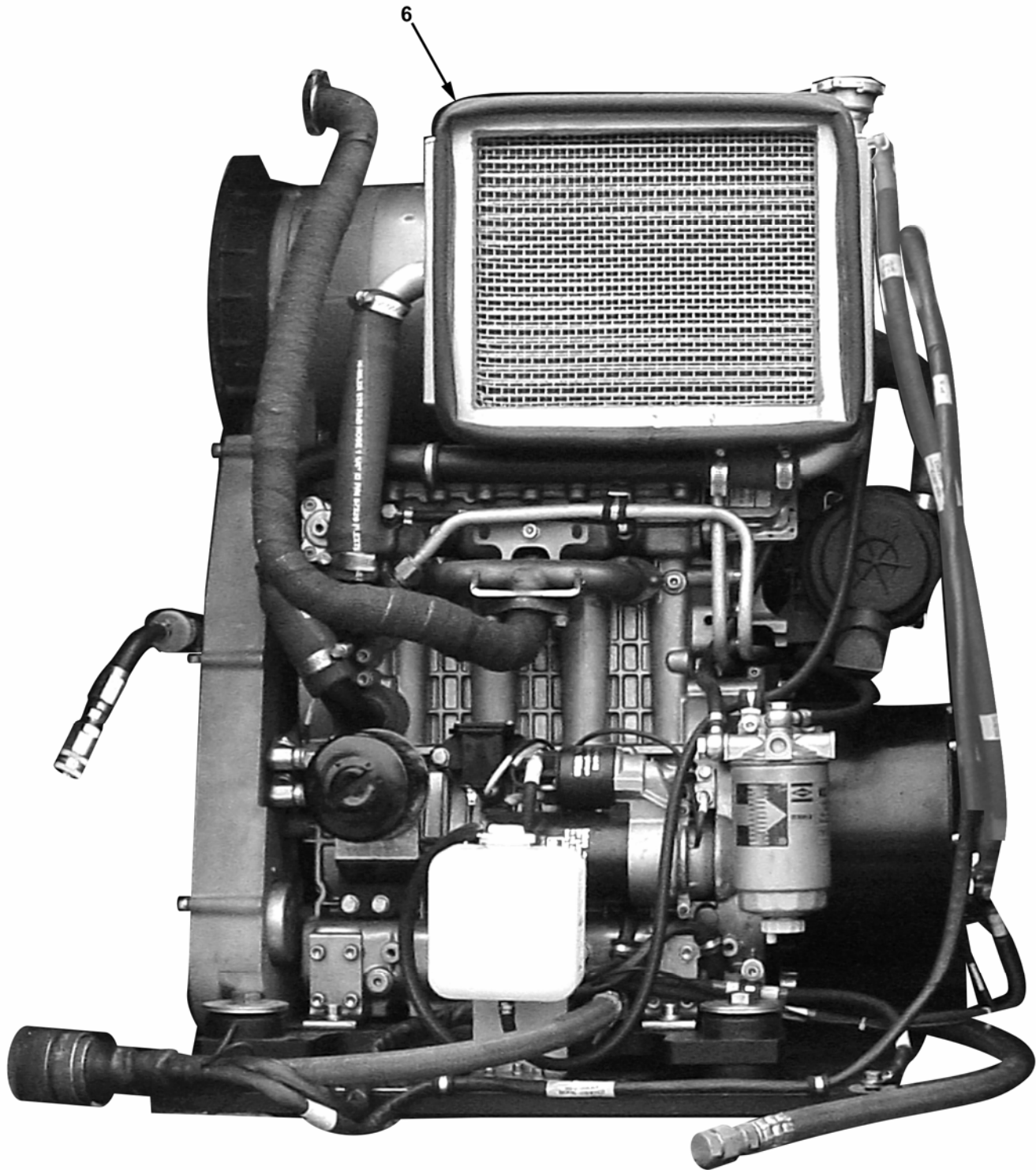
Nomenclature	National Stock Number	CAGEC	Part Number	QTY	Item No.
Screw, Cap, Hexagon Head	5305-00-269-3234	80204	B1821BH038F075N	2	35
Strap, Retaining	5340-01-183-1678	06085	BML43103	1	36
Washer, Flat		D8286	DIN 125A-M8-A2A	4	37
Washer, Lock		D8286	DIN 127B-M8-A2A	4	38
Screw, Cap, Hexagon Head		D8286	DIN 933-M8X30-8.8-A2A	4	39
Nut, Plain, Hexagon		D8286	DIN 934-M8-8.8-A2A	4	40
Coupling, Half, Quick Disconnect	4730-00-905-6355	81361	E150-1-12-1-1A	1	41
Coupling, Half, Quick Disconnect	4730-01-003-5142	81361	E150-1-12-2-1A	1	42
Washer, Flat	5305-00-722-5998	80205	MS15795-805	8	43
Washer, Flat	5310-00-880-5978	80205	MS15795-807	8	44
Washer, Flat	5310-00-582-5677	80205	MS15795-810	30	45
Washer, Flat	5310-00-773-7618	80205	MS15795-814	8	46
Washer, Flat	5310-00-595-6057	80205	MS15795-815	6	47
Washer, Flat	5310-00-883-9384	80205	MS15795-842	4	48
Nut, Self Locking , Hexagon	5310-00-241-6604	80205	MS17830-4C	2	49
Washer, Lock	5310-00-595-7237	80205	MS35333-42	2	50
Washer, Lock	5310-00-933-8119	80205	MS35338-136	4	51
Washer, Lock	5310-00-933-8119	80205	MS35338-137	8	52
Washer, Lock	5310-00-933-8120	80205	MS35338-138	8	53
Washer, Lock	5310-00-933-8121	80205	MS35338-139	35	54
Washer, Lock	5310-00-984-7042	80205	MS35338-141	13	55
Washer, Lock	5310-00-933-8778	80205	MS35338-143	4	56
Nut, Plain, Hexagon	5310-00-934-9760	80205	MS35649-204	4	57
Nut, Plain, Hexagon	5310-00-934-9761	80205	MS35649-264	4	58
Nut, Plain, Hexagon	5310-00-934-9759	80205	MS35649-284	8	59
Nut, Plain, Hexagon	5310-00-250-9477	80205	MS35649-2254	8	60
Nut, Plain, Hexagon	5310-00-477-6768	80205	MS35649-2384	8	61
Insert, Screw, Threaded	5325-00-451-8982	96906	MS51831-102	2	62
Screw, Machine	5305-00-054-6655	96906	MS51957-31	4	63
Screw, Machine	5305-00-054-6656	96906	MS51957-32	4	64
Screw, Machine	5305-00-054-6671	96906	MS51957-46	8	65
Screw, Machine	5305-00-050-9233	96906	MS51957-67	8	66

8. MWO KITS, PARTS, AND THEIR DISPOSITION (continued).



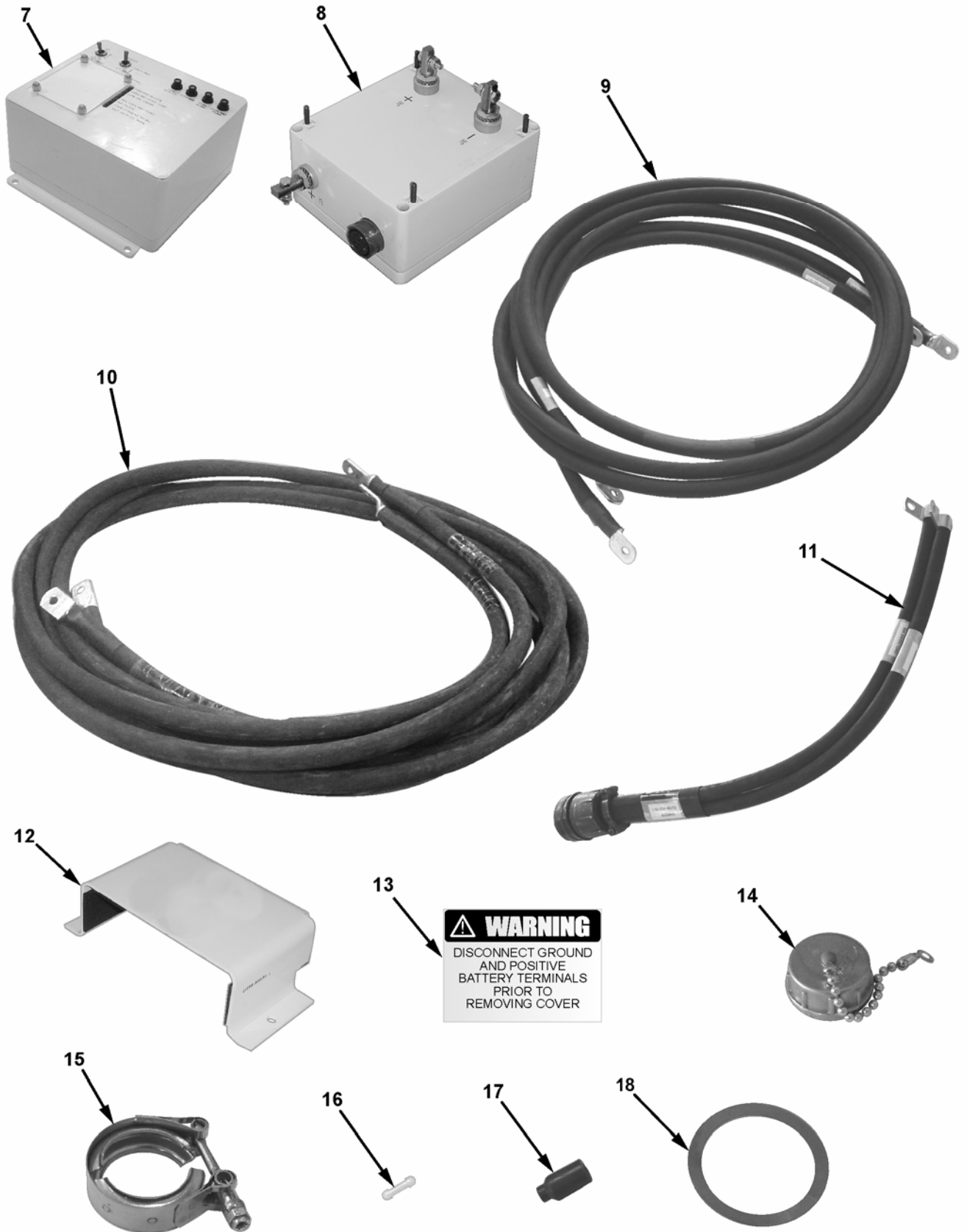
Up-Powered Auxiliary Power Unit (APU), 10kW Parts

8. MWO KITS, PARTS, AND THEIR DISPOSITION (continued).



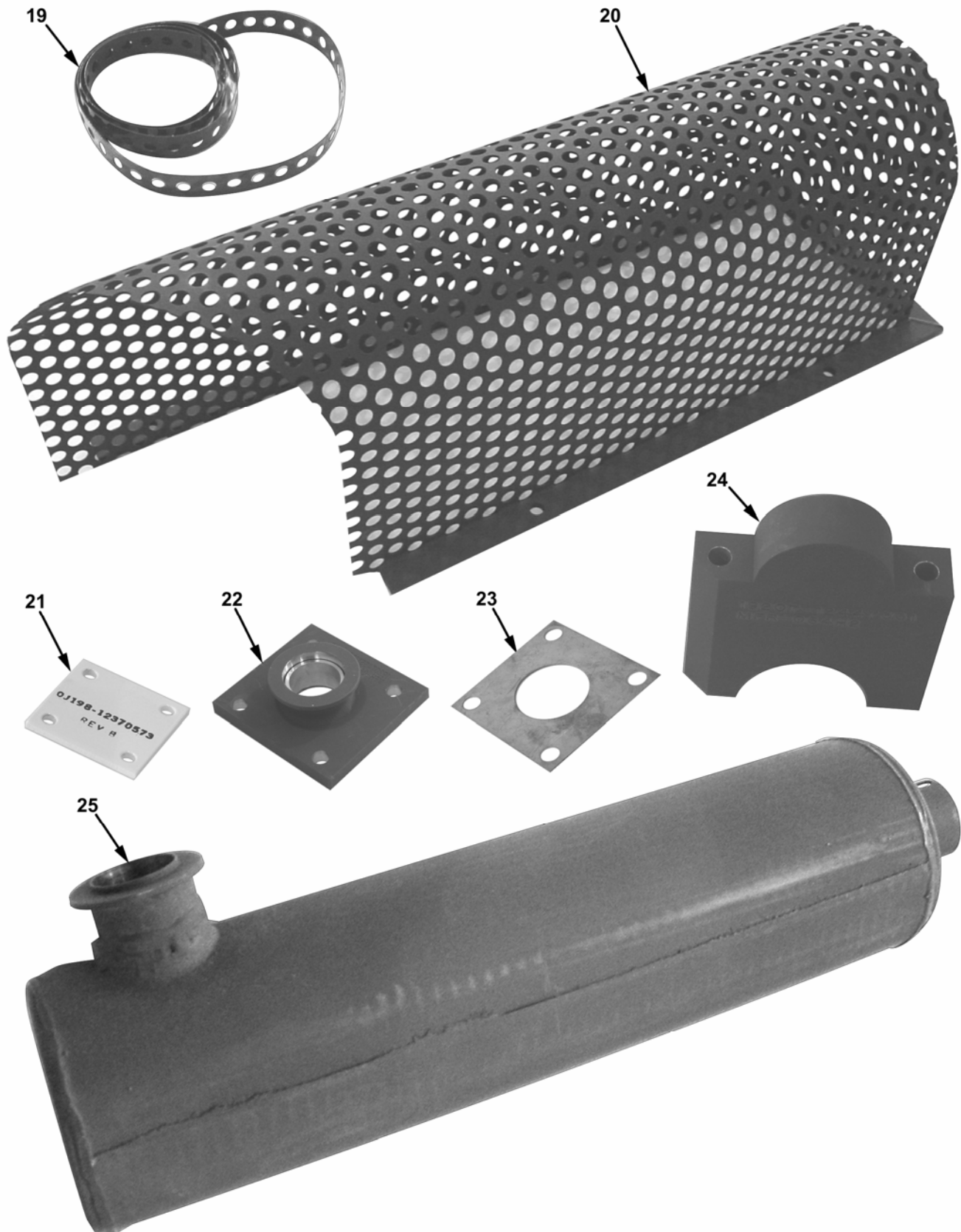
Up-Powered Auxiliary Power Unit (APU), 10kW Parts

8. MWO KITS, PARTS, AND THEIR DISPOSITION (continued).



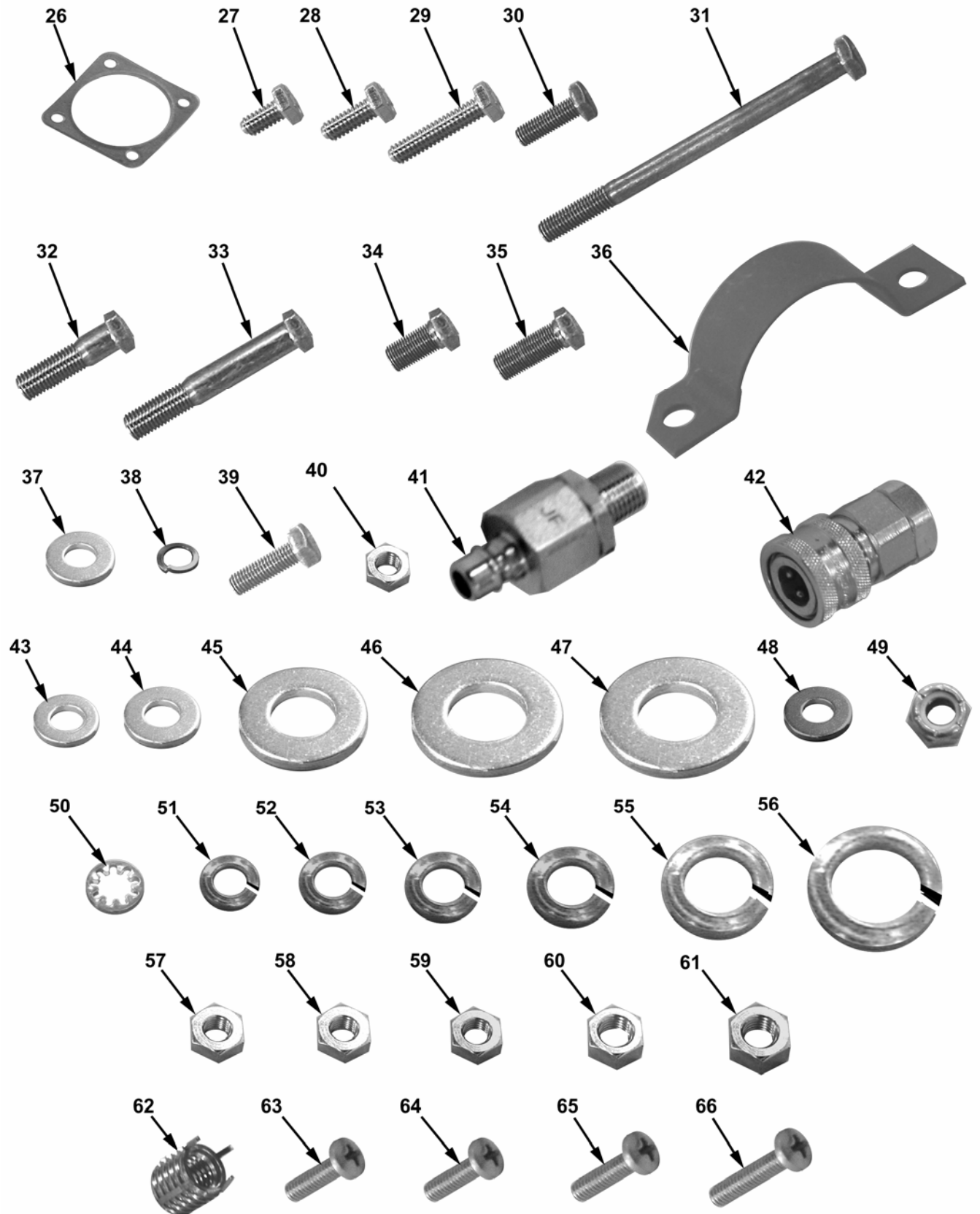
Up-Powered Auxiliary Power Unit (APU), 10kW Parts

8. MWO KITS, PARTS, AND THEIR DISPOSITION (continued).



Up-Powered Auxiliary Power Unit (APU), 10kW Parts

8. MWO KITS, PARTS, AND THEIR DISPOSITION (continued).



Up-Powered Auxiliary Power Unit (APU), 10kW Parts

8. MWO KITS, PARTS, AND THEIR DISPOSITION (continued).

c. The following table is a list of bulk and expendable materials needed to apply this MWO:

Table 8-5. Bulk and Expendable Materials List

Nomenclature	National Stock Number	Part Number	CAGEC	Unit of Issue QTY	QTY per MWO Application
Acetone, Technical	6810-00-223-2739 or Commercial Equivalent	ASTM-D329-PT	81346	OZ	1 BT
Adhesive	8040-00-664-4318 or Commercial Equivalent	9995460	81349	BT	1 BT
Adhesive	8040-00-262-9005 or Commercial Equivalent	MMM-A-1617	81348	GL	1 CAN
Adhesive	8040-00-118-2695 or Commercial Equivalent	M46146-11AWY	81349	KT	12 OZ
Adhesive	8040-01-331-7471 or Commercial Equivalent	M46106-11EBN	81349	CA	1 CA
Antifreeze	6850-01-464-9137 or Commercial Equivalent	A-A-52624 TY1 RECYCLED	58536	CO	5 GL
Cap-Plug, Protective, 1/2-inch	5340-01-267-1155 or Commercial Equivalent	BP – 1/2	99017	EA	30 EA
Cap-Plug, Protective, 3/4-inch	5340-00-764-7093 or Commercial Equivalent	NAS816-72	80205	EA	30 EA
Cap-Plug, Protective, 1-inch	5340-01-079-7800 or Commercial Equivalent	NAS834-96	80205	HD	12 EA
Cap-Plug, Protective, 1 3/8-inch	5340-01-194-3201 or Commercial Equivalent	M5501/7-F27	81349	EA	6 EA
Carbide Cutter Lubricant	Commercial Equivalent	TP00234-0		GL	1 GL
Cleaning Compound, Solvent	6850-01-474-2318 or Commercial Equivalent	MIL-PRF-680	81349	GL	1 CN
Polyurethane, Coating (Green)	8010-01-160-6741 or Commercial Equivalent	M46168-2-34094-1Q1/2P	81349	KT	1 KT
Polyurethane, Coating (Brown)	8010-01-160-6744 or Commercial Equivalent	M46168-2-30051-1Q1/2P	81349	KT	1 KT
Polyurethane, Coating (Black)	8010-01-131-6254 or Commercial Equivalent	M46168-2-37030-1G1Q	81349	KT	1 KT
Corrosive Preventive Compound	8030-00-244-1297 or Commercial Equivalent	MIL-C-16173	81349	CN	1 GL
Cutting Fluid	9150-01-373-5788 or Commercial Equivalent	TAPMAGIC EP-XTRA	17781	PT	1 CN
Detergent, General Purpose	7930-00-985-6945 or Commercial Equivalent	7930-00-985-6945	83421	GL	1 CN
Dresser, Abrasive Wheel	5120-00-871-4554 or Commercial Equivalent	37C24-5VK	44197	EA	1 EA
Epoxy Coating Kit (White Paint)	8010-01-313-8701 or Commercial Equivalent	MIL-PRF-72750	81348	KT	GL

8. MWO KITS, PARTS, AND THEIR DISPOSITION (continued).**Table 8-5. Bulk And Expendable Materials List (continued)**

Nomenclature	National Stock Number	Part Number	CAGEC	Unit of Issue QTY	QTY per MWO Application
Grease, Auto	9150-01-197-7693 or Commercial Equivalent	M-10924-B	81349	CA	1 CAN
Lubricating Oil	9150-00-188-9858 or Commercial Equivalent	MIL-PRF-2104	81349	GL	5 GL
Primer, Coating (Rust Inhibitor)	8010-00-687-8191 or Commercial Equivalent	TT-P-662	81348	QT	1 QT
Primer, Coating (Zinc Chromate)	8010-00-582-5318 or Commercial Equivalent	TT-P-1757	81348	GL	1 GL
Rag, Wiping White	7920-00-205-3571 or Commercial Equivalent	DDD-R-0030	81348	LB	50 LB
Sealing Compound	8030-00-148-7362 or Commercial Equivalent	PR-1201-RLS MEDIUM	83574	KT	1 KT
Silicone Compound 8 OZ	6850-00-880-7616 or Commercial Equivalent	SAE-A58660	81343	TU	1 TU
Strap, Tiedown, Electrical	5975-00-172-3722 or Commercial Equivalent	TY5X	56501	EA	1 EA
Thinner, Paint Products	8010-00-242-2089 or Commercial Equivalent	A-A-2904	58536	GL	1 GL
Tubing, Nonmetallic	4720-00-618-6768 or Commercial Equivalent	TYPE 250A	75345	FT	FT
Wheel Abrasive (46 Grit)	3460-00-060-7385 or Commercial Equivalent	32A46A8VBE	44197	EA	8
Wheel, Abrasive (24 Gage)	5130-00-289-9586 or Commercial Equivalent	B74.2	80204	EA	8

8. MWO KITS, PARTS, AND THEIR DISPOSITION (continued).

- d. All parts not used during the application of this MWO shall be returned to stock for disposition in accordance with AR 735-5 (Policies and Procedures for Property Accountability) and AR 710-2 (Supply Policy Below the Wholesale Level).

Table 8-6. MWO Disposition Parts List

Nomenclature	National Stock Number	Part Number	CAGEC	QTY
Adapter, Fluid Filter	4330-01-456-6968	189	06YT7	1
Adapter, Straight, Pipe to Hose	4730-01-035-9601	12332748	19207	4
Adapter, Straight, Pipe to Hose	4730-00-913-0762	KF08-06PS	30327	2
Adapter, Straight, Pipe to Hose, S/N 1 thru 820	4730-00-336-9558	MS51816-5A	96906	3
Adapter, Straight, Pipe to Tube	4730-00-684-4870	7205X8X8	79470	1
Adapter, Straight, Pipe to Tube	4730-01-008-3586	MS51819-12A	96906	1
Adapter, Straight, Pipe to Tube	4730-00-289-1254	S1008-1	15434	1
Adapter, Straight, Pipe to Tube S/N 821 and above	4730-00-833-0508	6-4 080102CA	81343	2
Adapter, Straight, Pipe to Tube S/N 1 thru 820	4730-00-409-3893	MS51819-9	96906	1
Adapter, Straight, Pipe to Tube, S/N 1 thru 820	4730-00-840-1158	6-6 080102CA	81343	3
Adapter, Straight, Tube to Boss	4730-01-376-4256	6M14F80MX	30780	1
Adapter, Straight, Tube to Boss	4730-01-387-7155	MS9193-07	96906	1
Adapter, Straight, Tube to Boss S/N 1 thru 820	4730-00-407-0558	MS51843-5	96906	1
Adapter, Tie Down, Aircraft Floor	1670-00-874-4063	NAS1211-B15	80205	6
Air Cleaner, Intake	2940-00-494-9491	FWG05-2510	18265	2
Angle	5340-01-466-0388	12376495-1	19207	5
Assembly, Wire Rope	4010-01-266-3842	12341325	19207	6
Bar, Restraint	2590-01-473-3981	12329964-5	19207	2
Bearing, Ball, Annular	3110-01-053-7050	11672205	19207	12
Bearing, Sleeve	3120-00-819-3865	10862955	19207	1
Bearing, Washer, Thrust	3120-01-377-0788	MS21783-12A253	96906	4
Bolt, Internal Wrench	5306-01-285-6067	12351869	19207	1
Bolt, Machine	5306-00-801-6703	10920637	19207	4
Bolt, Machine	5306-00-068-0513	6893-2	60285	14
Bolt, Machine	5306-00-226-4824	B1821BH031C063N	80204	7
Bolt, Machine	5306-00-226-4825	B1821BH031C075N	80204	2
Bolt, Machine	5306-00-226-4827	B1821BH031C100N	80204	3
Bolt, Machine	5306-00-226-4837	B1821BH031C300N	80204	2
Bolt, Machine	5306-01-075-8519	MS90725-36	80205	2
Bolt, Machine	5306-01-426-3735	MS90727-47	96906	2
Boot, Vehicular Components	2530-01-183-8431	12333486	19207	1
Bracket	5340-01-456-1338	12463212	19207	1
Bracket, Angle	5340-01-171-0054	12330034	19207	1
Bracket, Angle	5340-01-210-4891	12333029	19207	1
Bracket, Angle	5340-01-201-1043	12333030	19207	1
Bracket, Angle	5340-01-201-1042	12333031	19207	2
Bracket, Angle	5340-01-391-3569	12351852	19207	1

8. MWO KITS, PARTS, AND THEIR DISPOSITION (continued).**Table 8-6. MWO Disposition Parts List (continued)**

Nomenclature	National Stock Number	Part Number	CAGEC	QTY
Bracket, Angle	5340-01-433-1722	12376465-1	19207	3
Bracket, Angle	5340-01-435-5259	12376465-2	19207	4
Bracket, Angle	5340-01-432-9226	12376465-3	19207	1
Bracket, Angle	5340-01-448-6085	12376495-2	19207	7
Bracket, Angle	5340-01-396-9633	12438935	19207	4
Bracket, Angle	5340-01-456-1487	12463200	19207	1
Bracket, Angle	5340-01-456-1461	12463231	19207	1
Bracket, Angle	5340-01-458-6829	12463233	19207	1
Bracket, Double Angle	5340-00-622-7394	11671401	19207	1
Bracket, Engine Mount	2510-01-220-5793	11672193	19207	1
Bracket, Eye, Nonrotating	3040-01-158-3242	12330523	19207	2
Bracket, Eye, Nonrotating	3040-01-183-8445	12333162	19207	1
Bracket, Intake Air	2940-01-164-7197	BML62046	06085	2
Bracket, Mounting	5340-00-621-1414	11671405	19207	1
Bracket, Mounting	5340-01-158-0825	12329736	19207	1
Bracket, Mounting	5340-01-171-4639	12330017	19207	2
Bracket, Mounting	5340-01-181-6449	12330300	19207	1
Bracket, Mounting	5340-01-197-8082	12333509	19207	1
Bracket, Mounting	5340-01-206-3910	12333520	19207	1
Bracket, Mounting	5340-01-396-9130	12438938	19207	1
Bracket, Mounting	5340-01-457-0427	12463207	19207	1
Bracket, Mounting	5340-01-456-6725	12463217	19207	1
Bracket, Mounting	5340-01-461-6103	12463229	19207	1
Bracket, Vehicular Components	2590-01-396-7096	12329964-6	19207	2
Bracket, Vehicular Components	2590-01-456-5802	12463197	19207	1
Breather	2520-00-604-0777	5277546	19207	2
Bumper, Assembly	5340-01-056-1248	12012138	19204	1
Bumper, Nonmetallic	5340-01-397-6916	10897788-1	19207	1
Bumper, Nonmetallic	5340-01-158-3089	12329763	19207	2
Bushing, Pipe	4730-01-456-5448	12463220	19207	1
Bushing, Pipe	4730-00-288-8546	12-6 140140C	81343	1
Bushing, Pipe	4730-00-014-1539	444025	24617	1
Bushing, Pipe	4730-01-046-0373	8395412	19207	1
Bushing, Pipe	4730-00-580-7417	8-4 140140C	81343	2
Bushing, Pipe	4730-01-187-2594	MS14304-1T1612	96906	1
Bushing, Sleeve	3120-01-007-1232	11671731	19207	2
Bushing, Sleeve	3120-01-383-9876	12376468	19207	2
Cable Assembly, Electrical	6150-01-158-0775	12330317	19207	1
Cable Assembly, Special	6150-01-462-5327	11671371-2	19207	1
Cable Assembly, Special	6150-01-456-2632	12329650-1	19207	1
Cable Assembly, Special	6150-01-440-0676	12376544	19207	1
Cable Assembly, Special	6150-01-456-2629	12463247	19207	1
Cable Assembly, Special HATZ 2G40	6150-01-456-6973	11672191-1	19207	1
Cable Assembly, Special ONAN DJEAM	6150-01-313-6285	11672191	19207	1
Chain, Roller	3020-00-629-2182	323124	87474	2
Clamp, Hose	4730-00-908-3193	10503979	56161	4
Clamp, Hose	4730-00-908-3195	SAE J1508-06	81343	1

8. MWO KITS, PARTS, AND THEIR DISPOSITION (continued).**Table 8-6. MWO Disposition Parts List (continued)**

Nomenclature	National Stock Number	Part Number	CAGEC	QTY
Clamp, Hose	4730-00-908-6293	T-218758	06481	2
Clamp, Hose	4730-00-909-8627	5293413	19207	12
Clamp, Hose	4730-00-908-6294	A-A-52506-F-104	58536	2
Clamp, Hose	4730-01-204-0584	V203	70847	4
Clamp, Loop	5340-00-984-8540	MS21333-102	96906	1
Clamp, Loop	5340-00-088-1254	MS21333-104	96906	2
Clamp, Loop	5340-00-702-2848	MS21333-128	96906	1
Clamp, Loop	5340-00-225-8313	MS21333-13	96906	1
Clamp, Loop	5340-00-803-6575	MS21919WF10	96906	1
Clamp, Loop	5340-01-168-9788	MS21919WF13	96906	1
Clamp, Loop	5340-00-119-4703	MS9352-03	96906	1
Clamp, Loop	5340-00-119-1757	MS9352-15	96906	2
Clamp, Loop	5340-00-005-0541	MS9352-31	96906	1
Clamp, Loop	5340-00-119-1756	NAS1715D10NH	80205	1
Clip, Spring Tension	5340-01-368-8074	12268353	19207	5
Clip, Spring Tension	5340-01-177-6986	M24066/2-338	81349	4
Cock, Drain	4820-01-073-0080	11669424	19207	1
Cock, Drain	4820-00-275-2224	MS35783-1	96906	4
Connector, Rod End	5340-01-161-7694	12329715	19207	1
Control Box, Generator HATZ	6110-01-467-4048	12333312-1	19207	1
Control Box, Generator Set	6110-01-186-3120	12333312	19207	1
Conveyor Sub Assembly	3910-01-158-7057	12330569	19207	1
Conveyor Takeup End	3910-01-158-7059	12330602	19207	1
Conveyor, Center Section	3910-01-158-7058	12330583	19207	1
Conveyor, Drive End	3910-01-158-7060	12330645	19207	1
Conveyor, Section	3910-01-416-6739	12376552	19207	1
Core Assembly, Fluid	2930-01-456-2586	B50-5577	44512	1
Coupling Assembly, Quick	4730-01-495-7934	12472305	19207	2
Coupling Half, Quick	4730-00-905-6355	E150-1-12-1-1A	81361	3
Coupling Half, Quick	4730-01-003-5142	E150-1-12-2-1A	78357	2
Coupling Half, Quick	4730-01-007-5260	E150-1-12-2-1B	81361	1
Coupling Tube	4730-01-397-5714	12329651-1	06085	1
Coupling, Clamp, Grooved	5340-00-796-2335	7962335	19207	6
Coupling, Pipe	4730-01-174-5060	SS-4-A	02570	2
Cover, Access	5340-01-504-7396	12438825-1	19207	1
Curtain, Vehicular	2540-01-177-4543	12329668	19207	1
Cylinder Assembly, Actuating	3040-01-158-3087	58C58604	99215	1
Dipstick Tube	4710-01-456-2698	12463209	19207	1
Distribution Box Assy.	6110-01-456-8815	12463198	19207	1
Door		12376393	19207	1
Door, Hatch Vehicular	2510-01-418-9536	12438997	19207	1
Door, Hatch, Vehicle	2510-01-198-8952	12333015	19207	1
Duct Assembly, Air	2540-01-456-5807	12463222	19207	1
Duct Assembly, Generator	2590-01-158-3098	12329667	19207	2
Duct Panel	2590-01-158-3097	12329665	19207	1

8. MWO KITS, PARTS, AND THEIR DISPOSITION (continued).**Table 8-6. MWO Disposition Parts List (continued)**

Nomenclature	National Stock Number	Part Number	CAGEC	QTY
Duct Panel	9320-01-158-3096	12329664	19207	1
Duct, Air Intake	4720-01-158-3095	12329652	19207	1
Elbow Assembly	4730-00-613-6525	11671377	19207	2
Elbow, Pipe	4730-01-273-3275	20-20 140238C	81343	2
Elbow, Pipe	4730-01-005-1376	4-2 140238C	81343	2
Elbow, Pipe	4730-01-066-3071	454086	24617	4
Elbow, Pipe To Tube	4730-01-003-6044	MS51815-8	96906	1
Elbow, Pipe To Tube	4730-01-205-7831	MS51817-10	96906	1
Elbow, Tube	4730-01-020-0227	MS51820-10	96906	6
Elbow, Tube S/N 1 thru 820	4730-00-993-5002	MS51820-6P	96906	2
Elbow, Tube S/N 1 thru 820	4730-01-006-5099	MS51852-11A	96906	3
Elbow, Tube To Hose	4730-01-423-7644	12438924	19207	1
End Section, Conveyor	3910-01-158-7053	12330528	19207	1
Engine, Diesel		12463204	19207	1
Escutcheon Plate	5340-01-183-8432	12333525	19207	1
Fan Assembly	4140-01-460-5963	12463246	19207	1
Fastener Tape		12332732-3	19207	1
Fastener, Turn Button	5325-01-346-6784	8712249	06085	18
Filler And Cap Assembly	5845-00-490-1291	FCS-537	97576	1
Filter Assembly, Fluid	2910-00-611-6200	11671506	19207	1
Filter Element, Fluid	2940-00-586-4792	B163	12658	1
Filter, Element, Intake	2940-01-417-2887	F-19P-150	66343	2
Filter, Fluid	4330-01-186-6076	BML61316	06085	1
Flange, Exhaust Pipe	2990-01-448-5295	12376296	19207	2
Frame Section, Structural	2510-01-158-3094	12329622	19207	1
Gage Rod, Liquid Level	6680-01-421-3558	042967	01943	1
Gage Rod, Liquid Level	6680-01-462-5501	12463211	19207	1
Gage Rod-Cap, Liquid	6680-00-626-8279	11671402	19207	1
Gage Rod-Cap, Liquid	6680-01-021-1458	123-1058	44940	1
Gasket	5330-00-613-6855	11671375	19207	2
Gasket	5330-00-622-7395	11671389	19207	4
Gasket	5330-00-614-9128	11671392	19207	6
Gasket	5330-00-932-1853	123-0667	44940	1
Gasket	5330-00-641-7571	123-1470	44940	1
Gasket	5330-01-184-5995	12332694	19207	1
Gasket	5330-01-199-5485	12333501	19207	2
Gasket	5330-01-199-5487	12333504	19207	1
Gasket	5330-01-442-6675	12376297	19207	2
Gasket	5330-01-420-8674	12447349	19207	2
Gasket	5330-01-080-1776	50001100	61080	2
Gasket	5310-01-405-9900	50313100	61080	2
Generator Engine AC	2920-00-795-6627	MS51004-1	96906	1
Glow Plug	2920-01-456-6985	13502787	18876	1
Grip, Handle	5340-00-134-3502	10905857	19207	1
Grip, Handle	5340-01-392-2538	97045K48	39428	1

8. MWO KITS, PARTS, AND THEIR DISPOSITION (continued).**Table 8-6. MWO Disposition Parts List (continued)**

Nomenclature	National Stock Number	Part Number	CAGEC	QTY
Grommet, Nonmetallic	5325-00-276-6098	AN931B12-17	88044	4
Grommet, Nonmetallic	5325-00-276-6100	MS35489-14	96906	1
Guard, Exhaust	2990-01-472-9858	12463276	19207	1
Guard, Fan Impeller	4140-01-483-0926	12472296	19207	1
Guard, Muffler-Exhaust	2990-01-412-0138	12329616-1	19207	2
Guard, Switch	5930-00-614-8876	11671235	19207	1
Handle, Door	2540-01-381-8634	12376506	19207	1
Handle, Door, Vehicular	2540-00-840-4817	10862952	19207	1
Handle, Manual Control	5340-01-181-6519	12330522	19207	2
Hanger, Pipe	5340-01-383-2487	12376507	19207	1
Hinge, Access Door	5340-01-183-8483	12329726	19207	2
Hinge, Butt	5340-01-500-4545	12480329	19207	1
Hook, Chain, S	4030-00-930-3154	MS87006-51	96906	6
Hose Assembly, Nonmetallic	4720-00-089-2138	10942709-1	19207	2
Hose Assembly, Nonmetallic	4720-00-614-7118	11671065-8	19207	1
Hose Assembly, Nonmetallic	4720-01-011-8023	11671382	19207	1
Hose Assembly, Nonmetallic	4720-01-277-5662	12330107-1	19207	1
Hose Assembly, Nonmetallic	4720-01-282-1713	12330107-2	19207	1
Hose Assembly, Nonmetallic	4720-01-399-5544	12330204-1	19207	1
Hose Assembly, Nonmetallic	4720-01-266-5632	12333296-1	19207	1
Hose Assembly, Nonmetallic	4720-01-264-8396	12333296-2	19207	2
Hose Assembly, Nonmetallic	4720-01-406-1967	12333299-6	19207	1
Hose Assembly, Nonmetallic	4720-01-456-2650	12333299-7	19207	2
Hose Assembly, Nonmetallic	4720-01-456-5665	12438924-1	19207	1
Hose Assembly, Nonmetallic	4720-01-460-9152	12463201	31902	1
Hose Assembly, Nonmetallic	4720-01-460-5672	12463202	19207	1
Hose Assembly, Nonmetallic	4720-01-495-0774	12463230-1	19207	2
Hose Assembly, Nonmetallic	4720-01-263-9668	245132-6-0260	98441	2
Hose Assembly, Nonmetallic S/N 821 and above	4720-01-180-6056	MS28759G0860	96906	1
Hose Assembly, Nonmetallic S/N 821 and above	4720-00-815-9293	MS28762-6-0220	96906	1
Hose, Air Duct	4720-00-535-7615	8724787	19207	2
Hose, Air Duct		M62028AR	81349	1
Hose, Nonmetallic	4720-01-035-8929	11671991	19207	6
Hose, Nonmetallic		12333119AR	19207	4
Hose, Nonmetallic	4720-01-406-1969	12351935-1	19207	1
Hose, Nonmetallic		M13444-13	81349	1
Hose, Nonmetallic		M13444-TY1-11	81349	1
Hose, Nonmetallic		MIL-H-13444-36	81349	1
Housing, Centrifugal	4140-01-466-0217	12333166-2	19207	1
Housing, Centrifugal	4140-01-456-5048	12463223	19207	1
Housing, Mechanical	3040-00-611-6203	11671393	19207	2
Hydraulic Panel Assembly		12376567	19207	1
Hydraulic Reservoir		12438942	19207	1

8. MWO KITS, PARTS, AND THEIR DISPOSITION (continued).**Table 8-6. MWO Disposition Parts List (continued)**

Nomenclature	National Stock Number	Part Number	CAGEC	QTY
Insert, Screw Thread	5340-00-451-8982	MS51831-102	96906	20
Insert, Screw Thread	5340-00-420-1891	MS51831-102L	96906	4
Insert, Screw Thread	5340-01-066-2840	MS51831-104	96906	10
Insert, Screw Thread	5340-00-805-0337	MS51831-202	96906	2
Insert, Screw Thread	5340-00-888-9395	MS51831-208	96906	4
Insulation Sleeving	5970-00-944-1328	M23053/5-112-0	81349	6 in.
Insulator, Standoff	5970-00-142-1840	2165-1A	02329	4
Key, Machine	5315-00-879-1660	MS20068-144	96906	2
Key, Woodruff	5315-00-616-5530	MS35756-15	80205	1
Latch, Door, Vehicular	2540-01-380-5293	12333560-1	19207	2
Latch, Rim	5340-01-056-5334	12012142	19204	1
Latch, Rim	5340-01-188-5114	12351588	19207	1
Latch, Weldment	2540-01-473-3203	12329719	19207	1
Lead, Electrical	6150-01-456-2642	11671369-3	19207	1
Lead, Electrical	6150-01-192-3440	11671371	19207	1
Lead, Electrical	6150-01-176-4712	11671380-1	19207	2
Lead, Electrical	6150-01-176-4713	11671380-2	19207	1
Lead, Electrical	6150-01-459-1815	11671380-3	19207	1
Lead, Electrical	6150-01-459-1813	11671380-5	19207	1
Lead, Electrical	5995-01-181-8641	12332678	19207	1
Lead, Electrical	5995-01-197-8948	BML61491	06085	1
Lead, Ignition, Engine	2920-01-063-1540	334-0028	44940	1
Lever, Lock-Release	5340-00-613-6801	11671275	19207	3
Light, Indicator	6210-00-699-9458	8376500	5A910	2
Light, Indicator	6210-00-745-7649	P400136-1	49367	2
Link, Roller Chain	3020-01-161-7702	12330707	19207	4
Lock-Handle Assemble	2540-01-184-4771	12333006	19207	1
Loop, Strap Fastener	5340-01-056-7369	NAS1211B20	80205	1
Manifold Assembly		12447385	19207	1
Manifold, Exhaust	2815-01-457-0818	12463203	19207	1
Mat, Floor	2540-01-161-7724	12329304-1	19207	1
Mat, Floor	2540-01-198-8791	12333532	19207	1
Mat, Floor	2540-01-208-3402	12333533	19207	1
Meter, Time Totalizing	6645-01-461-2630	12447355	19207	1
Mount, Resilient	5340-00-628-1161	11671653	19207	4
Mount, Resilient	5340-01-179-4123	BML62663	06085	6
Muffler	2990-01-456-2297	MAM04-5254	18265	1
Muffler, Exhaust	2990-01-463-0605	12376298	19207	1
Nipple, Pipe	4730-01-058-2324	11671407-1	19207	1
Nipple, Pipe	4730-00-278-3725	6-6 140137C	81343	2
Nipple, Pipe	4730-00-288-7495	A733S-154CFG	81343	1
Nipple, Pipe	4730-00-921-3624	A733S-6CFG	81346	1
Nipple, Pipe	4730-00-921-3623	MS51953-1	96906	2
Nipple, Pipe	4730-00-196-1470	MS51953-145	96906	1
Nipple, Pipe	4730-01-003-5104	MS51953-91	96906	1

8. MWO KITS, PARTS, AND THEIR DISPOSITION (continued).

Table 8-6. MWO Disposition Parts List (continued)

Nomenclature	National Stock Number	Part Number	CAGEC	QTY
Nipple, Pipe	4730-01-375-6301	8395454-3	19207	2
Nipple, Pipe	4730-01-163-9989	MS51873-55	96906	2
Nipple, Pipe	4730-01-106-2454	MS51873-61	96906	2
Nipple, Tube	4730-00-802-7050	MS51812-10P	96906	1
Nipple, Tube	4730-00-881-8788	MS51812-6SS	96906	1
Nipple, Tube S/N 1 thru 820	4730-00-289-1127	MS51814-6	96906	1
Nut Plain, Blind Rivet	5310-00-283-8482	MS27130-CR31	96906	3
Nut Self-Locking, Hexagon	5310-00-902-6676	MS21083N3	96906	4
Nut, Plain, Hexagon	5310-00-761-6882	129-104	10988	7
Nut, Plain, Hexagon	5310-00-829-9981	MS35649-2312	96906	2
Nut, Plain, Hexagon	5310-00-934-9747	MS35649-262	96906	3
Nut, Plain, Hexagon	5310-00-934-9751	MS35650-302	80205	9
Nut, Plain, Hexagon	5310-00-043-0520	MS35650-3252	96906	2
Nut, Plain, Hexagon	5310-00-934-9755	MS35650-362	96906	2
Nut, Plain, Hexagon	5310-00-581-2674	MS35691-1	96906	4
Nut, Plain, Hexagon	5310-00-880-8189	MS51967-11	96906	8
Nut, Plain, Hexagon	5310-00-761-3706	MS51967-15	96906	2
Nut, Plain, Hexagon	5310-00-761-6882	MS51967-2	96906	68
Nut, Plain, Hexagon	5310-00-763-8922	MS51967-24	96906	8
Nut, Plain, Hexagon	5310-00-905-0762	MS51967-3	96906	4
Nut, Plain, Hexagon	5310-00-880-7744	MS51967-5	96906	5
Nut, Plain, Hexagon	5310-00-732-0558	MS51967-8	96906	15
Nut, Plain, Hexagon	5310-00-943-2141	MS51968-15	96906	4
Nut, Plain, Slotted, Hexagon	5310-00-842-1490	MS35692-37	96906	1
Nut, Plain, Wing	5310-01-064-8787	MS35425-70	96906	2
Nut, Self-Locking, Hexagon	5310-00-873-6955	8712289-7	19207	4
Nut, Self-Locking, Hexagon	5310-00-199-7736	M45913/1-12FS3	81349	4
Nut, Self-Locking, Hexagon	5310-00-984-3807	M45913/1-5FG5C	81349	2
Nut, Self-Locking, Hexagon	5310-00-225-6993	M45913/1-8CG5C	81349	1
Nut, Self-Locking, Hexagon	5310-00-959-1488	M45913/2-6FG5C	81349	12
Nut, Self-Locking, Hexagon	5310-00-903-8282	MS21083N4	96906	4
Nut, Tube Coupling S/N 821 and above	4730-00-025-7508	MS51823-5	96906	3
O-Ring	5330-01-004-9552	M83248/1-203	81349	1
O-Ring	5330-01-046-3300	M83461/1-012	81349	3
O-Ring	5330-01-046-0628	M83461/1-015	81349	1
O-Ring	5331-00-251-8839	MS28778-12	96906	2
O-Ring	5330-00-819-5111	MS28778-24	96906	2
Pad, Cushioning	2590-01-391-3224	12376473-1	19207	1
Panel	2920-01-177-4423	12329669	19207	1
Panel, Vehicular Operator	2510-01-191-8744	12333556	19207	2
Pawl	3040-01-378-3945	11593696-1	19207	1
Pin, Cotter	5315-00-241-7330	12Z48PC426	10001	1
Pin, Cotter	5315-00-839-5822	MS24665-353	80205	1
Pin, Cotter	5315-00-849-9857	MS24665-421	80205	2
Pin, Cotter	5315-00-013-7228	MS24665-423	80205	8
Pin, Cotter	5315-00-087-0850	MS9245-24	96906	1

8. MWO KITS, PARTS, AND THEIR DISPOSITION (continued).**Table 8-6. MWO Disposition Parts List (continued)**

Nomenclature	National Stock Number	Part Number	CAGEC	QTY
Pin, Grooved, Headed	5315-00-933-7240	10888574	19207	2
Pin, Lock	5315-00-194-2455	AA55487-2	58536	2
Pin, Quick Release	5315-00-904-4788	MS17984C609	96906	4
Pin, Quick Release	5315-00-926-5321	MS17990-C828	96906	2
Pin, Spring	5315-01-216-8298	MS171782	96906	2
Pin, Straight, Headed	5315-01-229-2093	MS20392-12C55	96906	4
Pin, Straight, Headed	5315-00-081-7032	MS20392-5C25	96906	2
Pin, Straight, Headed	5315-01-009-6800	MS98445-19	96906	1
Pin, Straight, Headless	5315-01-198-8847	12329728	19207	1
Pin, Straight, Headless	5315-00-128-2050	MS51932-181	96906	1
Pipe, Exhaust	2990-01-158-3278	12329613	19207	2
Pipe, Exhaust	2990-01-177-4600	12330352	19207	2
Pipe, Exhaust	2990-01-164-0034	BML62116	3R148	2
Pipe, Plug S/N 1 thru 820	4730-00-057-5555	6 130109NC	81343	1
Plate, Instruction	9905-00-613-6770	11671387	19207	1
Plate, Instruction	9905-01-449-9633	11671387-1	19207	1
Plate, Marking, Blank	9905-00-613-6804	11671562	19207	1
Plate, Marking, Blank	9905-01-183-8375	12333313	19207	1
Plate, Mending	5340-00-615-8798	11671327	19207	2
Plate, Mending	5340-01-203-0320	11672190	19207	2
Plate, Mending	5340-01-177-4424	12329666	19207	2
Plate, Mounting	2590-01-178-7110	12330131	19207	1
Plate, Mounting	5340-01-422-1807	12447348	19207	3
Plate, Mounting	2590-01-164-7844	BML62348	06085	1
Plenum Assembly	4140-01-420-9044	12333166-1	19207	1
Plug, Pipe	4730-00-221-2139	1459-259	72452	1
Plug, Pipe	4730-00-221-2140	MS20913-6S	96906	1
Power Unit, Diesel HATZ 2G40	2815-01-446-3500	12463204	19207	1
Power Unit, Diesel ONAN DJEAM	2815-01-175-7342	12329656	19207	1
Rack, Ammunition Stowage	2590-01-179-9035	12330719	19207	1
Reducer, Pipe	4730-01-457-9223	4-2 140139C	81343	1
Reducer, Pipe	4730-00-623-8303	444012	89346	1
Reducer, Tube S/N 821 and above	4730-00-993-4515	8-6 080123CA	81343	2
Reducer, Tube S/N 821 and above	4730-00-846-8274	8-6-080123SA	81343	1
Regulator, Voltage	6110-01-183-8376	12329505	06085	1
Relay And Housing Assembly	2590-00-083-0266	10894808	19207	2
Relay, Electromagnet	5945-00-855-7478	1115615	16764	1
Relay, Electromagnet	5945-01-456-6726	12463214	19207	1
Relay-Solenoid, Engine	2920-01-346-6788	307-1562	44940	1
Retainer, Electrical	5930-01-166-0062	12330245	19207	2
Retainer, Nut and Bolt	5340-01-463-0339	12463216	19207	1
Retainer, Roller, Bearing	3110-01-045-5933	11671390	19207	4
Ring, Connecting, Round	5365-00-622-7244	10894256	19207	4
Ring, Retaining	5365-00-514-0393	MS16624-4087	96906	1
Ring, Retaining	5325-00-442-5845	MS16633-1050	96906	2

8. MWO KITS, PARTS, AND THEIR DISPOSITION (continued).**Table 8-6. MWO Disposition Parts List (continued)**

Nomenclature	National Stock Number	Part Number	CAGEC	QTY
Rivet, Blind	5320-01-015-6896	M24243/1-B404	81349	2
Rubber Seal Strip	5330-01-184-4892	12332986-2	19207	1
Rubber Strip	9320-01-164-1243	BML62438	06085	1
Screw, Cap, Hexagon Head	5305-00-882-6090	10936163-1	19207	2
Screw, Cap, Hexagon Head	5305-00-071-2507	B1821BH025C044N	80204	34
Screw, Cap, Hexagon Head	5305-00-071-2506	B1821BH025C050N	80204	18
Screw, Cap, Hexagon Head	5305-00-225-3844	B1821BH025C056N	80204	4
Screw, Cap, Hexagon Head	5305-00-068-7837	B1821BH025C063N	80204	54
Screw, Cap, Hexagon Head	5305-00-068-0508	B1821BH025C075N	80204	45
Screw, Cap, Hexagon Head	5305-00-071-2505	B1821BH025C088N	80204	4
Screw, Cap, Hexagon Head	5305-00-225-3843	B1821BH025C100N	80204	38
Screw, Cap, Hexagon Head	5305-00-071-2509	B1821BH025C150N	80204	2
Screw, Cap, Hexagon Head	5305-00-071-2513	B1821BH025C250N	80204	8
Screw, Cap, Hexagon Head	5305-00-071-2514	B1821BH025C275N	80204	5
Screw, Cap, Hexagon Head S/N 676 and above	5305-00-267-8952	B1821BH025F050N	80204	4
Screw, Cap, Hexagon Head S/N 1 thru 675	5305-00-267-8963	B1821BH025F325N	80204	2
Screw, Cap, Hexagon Head	5305-00-267-8964	B1821BH025F350N	80204	4
Screw, Cap, Hexagon Head	5305-00-051-4078	B1821BH031F125N	80204	2
Screw, Cap, Hexagon Head	5305-00-802-2764	B1821BH038C050N	80204	2
Screw, Cap, Hexagon Head	5305-00-115-9526	B1821BH038C075D	80204	2
Screw, Cap, Hexagon Head	5305-00-543-4372	B1821BH038C075N	80204	6
Screw, Cap, Hexagon Head	5305-01-140-9118	B1821BH038C088N	80204	4
Screw, Cap, Hexagon Head	5305-00-068-0510	B1821BH038C100N	80204	23
Screw, Cap, Hexagon Head	5305-00-068-0511	B1821BH038C125N	80204	12
Screw, Cap, Hexagon Head	5305-00-068-0511	B1821BH038C125N	80204	2
Screw, Cap, Hexagon Head	5305-00-725-2317	B1821BH038C150N	80204	4
Screw, Cap, Hexagon Head	5305-00-821-3869	B1821BH038C175N	80204	2
Screw, Cap, Hexagon Head	5305-00-781-3926	B1821BH038C275N	80204	5
Screw, Cap, Hexagon Head	5305-00-846-5703	B1821BH038C300N	80204	6
Screw, Cap, Hexagon Head	5305-00-269-3233	B1821BH038F063N	80204	4
Screw, Cap, Hexagon Head	5305-00-269-3236	B1821BH038F100N	80204	4
Screw, Cap, Hexagon Head	5305-00-071-1786	B1821BH044C100N	80204	24
Screw, Cap, Hexagon Head	5305-00-071-1788	B1821BH044C125N	80204	13
Screw, Cap, Hexagon Head	5305-00-071-2055	B1821BH044C150N	80204	2
Screw, Cap, Hexagon Head	5305-00-709-8542	B1821BH044F200N	80204	4
Screw, Cap, Hexagon Head	5305-00-071-2066	B1821BH050C100N	80204	2
Screw, Cap, Hexagon Head	5305-00-071-2067	B1821BH050C125N	80204	1
Screw, Cap, Hexagon Head	5305-00-011-2069	B1821BH050C150N	80204	4
Screw, Cap, Hexagon Head	5305-00-719-5221	B1821BH050F150N	80204	3
Screw, Cap, Hexagon Head	5305-00-719-5238	B1821BH050F200N	80204	4
Screw, Cap, Hexagon Head	5305-00-719-5240	B1821BH050F250N	80204	4
Screw, Cap, Hexagon Head	5305-00-269-3211	MS90725-60	80205	2
Screw, Cap, Hexagon Head	5305-00-719-5219	MS90727-111	96906	10
Screw, Cap, Hexagon Head	5305-00-947-2309	MS90727-194	96906	2

8. MWO KITS, PARTS, AND THEIR DISPOSITION (continued).**Table 8-6. MWO Disposition Parts List (continued)**

Nomenclature	National Stock Number	Part Number	CAGEC	QTY
Screw, Cap, Hexagon Head	5305-01-382-7493	1423950	45152	5
Screw, Cap, Hexagon Head	5305-01-140-9118	B1821BH038C088N	80204	10
Screw, Cap, Hexagon Head	5305-01-456-4769	B18232B08020N	80204	2
Screw, Cap, Socket Head	5305-00-983-7477	MS16997-168	96906	6
Screw, Cap, Socket Head	5305-00-978-9370	MS16997-32	96906	4
Screw, Cap, Socket Head	5305-00-978-9362	MS16997-52	96906	4
Screw, Cap, Socket Head	5305-00-978-9378	MS16997-58	96906	16
Screw, Cap, Socket Head	5305-00-983-8084	MS16997-60	96906	4
Screw, Cap, Socket Head	5305-00-978-9380	MS16997-61	96906	30
Screw, Cap, Socket Head	5305-00-978-9385	MS16997-62	96906	4
Screw, Cap, Socket Head	5305-00-983-6651	MS16998-27	96906	4
Screw, Cap, Socket Head	5305-00-983-6652	MS16998-29	96906	2
Screw, Cap, Socket Head	5305-00-052-2235	MS24667-75	96906	1
Screw, Drive	5305-00-253-5615	MS21318-21	80205	8
Screw, Machine	5305-00-984-6193	MS24544-2	80205	12
Screw, Machine	5305-00-984-4992	MS35206-232	80205	3
Screw, Machine	5305-00-988-1723	MS35206-279	96906	2
Screw, Machine	5305-00-958-4352	MS35207-228	96906	2
Screw, Machine	5305-00-993-1848	MS35207-265	96906	4
Screw, Machine	5305-00-157-5621	MS51849-56	96906	4
Screw, Machine	5305-00-179-8946	MS51849-66	96906	4
Screw, Machine	5305-01-098-7194	MS51849-68	96906	4
Screw, Machine	5305-01-006-2053	MS51849-75	96906	4
Screw, Machine	5305-00-240-6668	MS51849-78	96906	4
Screw, Machine	5305-00-050-9229	MS51957-63	96906	6
Screw, Machine	5305-00-680-6046	MS9316-03	96906	2
Screw, Shoulder	5305-00-939-0661	MS51975-1	80205	2
Screw, Shoulder	5305-00-177-5575	MS51975-46	80205	2
Screw, Shoulder	5305-01-229-8016	MS51975-48	80205	1
Screw, Tapping	5305-00-151-6136	MS51850-43	96906	4
Screw, Tapping	5305-00-446-9901	MS51850-64	96906	22
Screw, Tapping	5305-00-147-3242	MS51861-4C	96906	8
Seal Nonmetallic		12329406-7-120.4	19207	1
Seal, Nonmetallic Special	5330-01-181-6455	12329717	19207	1
Seal, Nonmetallic Special	5330-01-255-2725	12333022-1	19207	1
Seal, Plain Encased	5330-00-613-6854	11671660	19207	4
Section, Clamp Block	5342-01-257-4531	12351661	19207	2
Semiconductor Device	5961-01-176-9048	JANTX1N1186R	81349	2
Setscrew	5305-00-058-9385	MS51977-63	80205	2
Shelf Assembly	2540-01-250-8086	12330332	19207	1
Shim		12351749-6	19207	1
Shim	5365-01-381-1104	12351879	19207	4
Shim	5365-00-209-1852	8705544	19207	6
Sleeve, Clinch, Tube S/N 821 and above	4730-00-834-0664	MS51825-5ZA	96906	3
Sling, Multiple Leg	3940-01-378-7030	12376532	19207	2

8. MWO KITS, PARTS, AND THEIR DISPOSITION (continued).**Table 8-6. MWO Disposition Parts List (continued)**

Nomenclature	National Stock Number	Part Number	CAGEC	QTY
Spacer, Plate	5365-00-613-6849	11671385	19207	1
Spacer, Plate	5365-00-615-8715	11671520	19207	1
Spacer, Plate	5365-01-181-6484	12329762	19207	2
Spacer, Plate	5365-01-375-5173	12351830	19207	1
Spacer, Plate	5365-01-229-8160	12357151	19207	1
Spacer, Plate	5365-01-383-0534	12376541	19207	2
Spacer, Plate	5365-01-468-0890	12463242	19207	1
Spacer, Plate	5365-01-229-8161	BML64636	06085	
Spacer, Sleeve	5365-01-181-6483	12329761	19207	2
Spacer, Sleeve	5365-01-166-0796	BML62627	06085	2
Spacer, Sleeve	5365-01-234-5258	BML64578	06085	2
Spacer, Special Shape S/N 1 thru 675	5365-01-421-5103	12447331	19207	2
Spring, Door, Adjustable	5360-01-181-6435	12329760	19207	1
Spring, Helical, Extension	5360-00-844-1331	10902663	19207	2
Spring, Helical, Torsion	5360-00-785-8137	10953907	19207	1
Spring, Helical, Torsion	5360-01-182-1270	12329759	19207	1
Sprocket Wheel	3020-00-614-7649	11671372-1	19207	2
Sprocket Wheel	3020-00-614-7734	11671372-2	19207	2
Sprocket Wheel	3020-00-614-7609	11671384	19207	2
Stand, Conveyor	3910-01-158-7056	12330550	19207	4
Stop, Mechanical	5340-01-397-0331	12376411	19207	2
Stop, Mechanical	5340-01-393-2844	12376502	19207	8
Strap, Retaining	5340-01-181-6424	12330142	19207	6
Strap, Retaining	5340-01-183-1678	BML43103	06085	2
Strap, Retaining	5340-00-629-2356	NH1000734	00624	1
Strap, Tie Down	5975-00-345-8055	10905840	19207	3 FT.
Strap, Tie Down		8724501AR	19207	1
Strap, Webbing	5340-01-170-6774	12329957-1	19207	1
Strap, Webbing	5340-01-170-6775	12329957-2	19207	2
Strap, Webbing	5340-01-170-6776	12329957-3	19207	4
Strap, Webbing	5340-01-407-7853	12329987	19207	3
Strap, Webbing	5340-01-166-8930	BML62424	06085	1
Strap, Webbing	5340-01-183-6090	BML62854	06085	2
Strike, Catch	5340-01-181-6457	12329718	19207	1
Strip, Wear, Side	2590-01-398-0787	12330530-4	19207	1
Strut, Cartridge, Vehicle	2510-01-377-6802	12376510	19207	2
Strut, Cartridge, Vehicle, (LH)	2510-01-377-6803	12376511-1	19207	1
Strut, Cartridge, Vehicle, (RH)	2510-01-415-3160	12376511-2	19207	1
Stud, Assembly Turn	5307-00-797-4104	10630050-7	18876	8
Stud, Plain	5307-01-006-5515	MS51864-104-16	80205	12
Stud, Shouldered	5307-01-377-9283	12376512	19207	1
Subplate Ref Valve		12352029	19207	1
Switch, Pressure	5930-01-163-4937	12329698	19207	1
Switch, Sensitive	5930-01-379-0121	12376539	19207	1
Switch, Thermostatic	5930-01-456-6370	STC-120	80089	1

8. MWO KITS, PARTS, AND THEIR DISPOSITION (continued).**Table 8-6. MWO Disposition Parts List (continued)**

Nomenclature	National Stock Number	Part Number	CAGEC	QTY
Switch, Toggle	5930-00-296-6318	MS39061-1	96906	1
Switch, Toggle	5930-00-752-2766	MS39061-8	96906	2
Tee, Pipe	4730-00-247-9105	2-2-2 140424C	81343	1
Tee, Pipe	4730-01-317-8903	8395402	19207	1
Tee, Pipe, S/N 1 thru 820	4730-01-220-8286	454122	38518	1
Tee, Pipe, S/N 821 and above	4730-01-048-9769	4-4-4 140438C	81343	1
Tee, Tube, S/N 1 thru 820	4730-00-402-9534	MS51811-8	96906	1
Thumbscrew	5305-00-056-9385	MS21316-35	96906	2
Transmitter, Pressure	6620-00-814-4770	MS24538-1	96906	1
Transmitter, Pressure	6620-00-993-5546	MS24539	96906	1
Tray	2510-01-179-8969	12332900-1	19207	1
Tray	2510-01-179-8970	12332900-2	19207	1
Tube Assembly, Metal	4710-00-615-8770	11671404	19207	1
Tube Assembly, Metal	4710-01-176-4754	11671642	19207	1
Tube Bent, Metallic	4710-01-398-1992	12438973	19207	1
Tube, Assembly, Metallic	4710-01-407-9266	12351936-1	19207	7
Tube, Bent, Metallic	4710-01-164-6949	12329694	06085	1
Tube, Bent, Metallic	4710-01-456-2703	12329694-1	19207	1
Tube, Bent, Metallic	4710-01-164-6964	BML61211	06085	1
Tube, Bent, Metallic	4710-01-178-9571	BML61335	06085	1
Tube, Bent, Metallic	4710-01-164-6967	BML61382	06085	1
Tube, Bent, Metallic	4710-01-164-6972	BML61398	06085	1
Tube, Bent, Metallic	4710-01-164-6973	BML61399	06085	1
Tube, Bent, Metallic	4710-01-164-6994	BML62285	06085	1
Tube, Bent, Metallic S/N 1 thru 820	4710-01-164-6966	BML61216	06085	1
Tube, Metallic	4710-01-179-5544	12330134	19207	2
Tube, Metallic	4710-01-179-2552	BML61295	06085	1
Tube, Metallic	4710-01-179-2554	BML61303	06085	1
Tube, Metallic S/N 1 thru 820	4710-01-181-3490	12330128	19207	1
Tube, Metallic S/N 1 thru 820	4710-01-298-9508	12351925	19207	1
Tube, Metallic S/N 1 thru 820	4710-01-421-4679	12352020	19207	1
Tube, Metallic S/N 1 thru 820	4710-01-179-2553	BML61298	06085	1
Valve Linear, Direct	4810-01-407-9250	12352026	19207	1
Valve, Calibrated Flow	4820-01-183-8479	12333372-1	19207	1
Valve, Plug	4820-00-625-2987	11671386	19207	1
Valve, Plug	4820-01-429-8401	11671386-1	19207	4
Washer, Flat	5310-00-167-0842	AN960-1216L	88044	2
Washer, Flat	5310-00-773-7618	MS15795-814	80205	8
Washer, Flat	5310-00-865-6073	MS21306-1	96906	4
Washer, Flat	5310-00-809-4058	MS27183-10	96906	194
Washer, Flat	5310-00-081-4219	MS27183-12	96906	5
Washer, Flat	5310-00-080-6004	MS27183-14	96906	38
Washer, Flat	5310-00-809-5997	MS27183-17	96906	3
Washer, Flat	5310-00-809-5998	MS27183-18	96906	7
Washer, Flat	5310-00-014-5850	MS27183-42	96906	7

8. MWO KITS, PARTS, AND THEIR DISPOSITION (continued).**Table 8-6. MWO Disposition Parts List (continued)**

Nomenclature	National Stock Number	Part Number	CAGEC	QTY
Washer, Flat	5310-00-987-1294	10910174-16	19200	3
Washer, Flat	5310-00-877-5972	10910174-3	19200	4
Washer, Flat	5310-01-103-2587	10910174-31	19200	2
Washer, Flat	5310-00-866-4417	10910174-5	19200	2
Washer, Flat	5310-00-877-7527	10910174-8	19200	6
Washer, Flat	5365-01-183-8419	12333523-1	19207	4
Washer, Flat	5310-01-183-8418	12333523-2	19207	10
Washer, Flat	5310-01-090-0938	50000900	61080	2
Washer, Flat	5310-01-255-2704	7982843	19207	12
Washer, Flat	5310-01-456-1012	D70342/2-105	81349	5
Washer, Flat	5310-01-179-9482	MS15795-419	80205	4
Washer, Flat	5310-01-396-5840	MS21306-1G	96906	6
Washer, Flat	5310-00-080-6004	MS27183-14	96906	4
Washer, Flat	5310-00-809-8533	MS27183-23	96906	18
Washer, Flat	5310-00-809-8541	MS27183-27	96906	8
Washer, Flat	5310-01-253-1618	MS27183-41	96906	4
Washer, Flat	5310-01-336-5350	MS27183-54	96906	2
Washer, Flat	5310-00-809-8546	MS27183-8	96906	15
Washer, Flat	5310-01-388-4133	MS51412-28	96906	5
Washer, Flat	5310-00-184-8992	MS9320-14	96906	4
Washer, Flat	5310-00-993-8728	MS9549-09	81343	4
Washer, Lock	5310-00-579-0079	MS35333-37	96906	6
Washer, Lock	5310-00-559-0070	MS35333-38	96906	4
Washer, Lock	5310-00-576-5752	MS35333-39	96906	26
Washer, Lock	5310-00-852-6792	MS35333-39	96906	4
Washer, Lock	5310-00-550-1130	MS35333-40	96906	57
Washer, Lock	5310-00-595-7237	MS35333-42	96906	10
Washer, Lock	5310-00-821-6269	MS35334-19	96906	2
Washer, Lock	5310-00-596-7691	MS35335-32	96906	2
Washer, Lock	5310-00-209-0786	MS35335-33	96906	20
Washer, Lock	5310-00-514-6674	MS35335-34	96906	7
Washer, Lock	5310-00-627-6128	MS35335-35	96906	13
Washer, Lock	5310-00-209-1239	MS35335-60	96906	6
Washer, Lock	5310-00-045-4007	MS35338-41	96906	10
Washer, Lock	5310-00-045-3299	MS35338-42	96906	18
Washer, Lock	5310-00-045-3296	MS35338-43	96906	12
Washer, Lock	5310-00-582-5965	MS35338-44	80205	4
Washer, Lock	5310-00-582-5965	MS35338-44	80205	4
Washer, Lock	5310-00-407-9566	MS35338-45	96906	9
Washer, Lock	5310-00-637-9541	MS35338-46	80205	83
Washer, Lock	5310-00-209-0965	MS35338-47	96906	47
Washer, Lock	5310-00-820-6653	MS35338-50	96906	4
Washer, Lock	5310-00-584-7888	MS35338-51	96906	8
Washer, Lock	5310-00-274-8715	MS35338-63	96906	27

8. MWO KITS, PARTS, AND THEIR DISPOSITION (continued).**Table 8-6. MWO Disposition Parts List (continued)**

Nomenclature	National Stock Number	Part Number	CAGEC	QTY
Washer, Lock	5310-01-377-0890	D70336/1-10	81349	5
Washer, Lock	5310-01-460-4714	D70336/3-C10	81349	4
Washer, Lock	5310-00-933-8120	MS35338-138	80205	4
Washer, Lock	5310-00-984-7042	MS35338-141	96906	3
Washer, Lock	5310-00-889-2527	MS45904-72	96906	4
Wire Rope Assembly, Single Leg	4010-01-426-4095	12341325-1	19207	2
Wire, Ground	2590-01-219-8739	11671369-1	19207	2
Wire, Nonelectrical		MS20995-F32AR	96906	1
Wiring Harness	6150-01-158-0775	12330317	19207	1
Wiring Harness	6150-01-440-0675	12376573	19207	1
Wiring Harness, Branched	2590-01-147-3416	11672409	19207	1
Wiring Harness, Branched	6150-01-447-3064	12330248-1	19207	1
Wiring Harness, Branched	2590-01-158-0844	12330256	19207	1
Wiring Harness, Branched	6150-01-197-8116	12333555	19207	1
Wiring Harness, Branched HATZ 2G40	6150-01-456-2627	12463221	19207	1
Wiring Harness, Branched ONAN DJEAM	2920-01-158-3280	12329650	19207	1
Wiring Harness, Branched ONAN DJEAM	6150-01-433-0913	12438952	19207	1
Wiring Harness, Branched ONAN DJEAM	5995-01-164-7207	BML61475	06085	1

- e. There are no mandatory replacement parts applicable to this MWO.

9. SPECIAL TOOLS; TOOL KITS; JIGS; TEMPLATES; TEST, MEASUREMENT, AND DIAGNOSTIC EQUIPMENT (TMDE); AND FIXTURES REQUIRED. At the completion of MWO application, turn in special tools in accordance with AR 710-2 (Supply Policy Below the Wholesale Level), AR 735-5 (Policies and Procedures for Property Accountability), and local policy.

a. Tools needed to accomplish this MWO are contained in the following table:

Table 9-1. Hand Tools

Nomenclature	National Stock Number	CAGEC	Part Number	QTY
Adapter Spindle, Portable	5130-00-293-2330 or Commercial Equivalent	19801	CP-50	1
Adjustable Wrench (15-inch)	5120-00-264-3793 or Commercial Equivalent	24617	2117080	1
Blade Kit, Hole Saw (3/4 to 3-1/2-inch diameter)	3455-00-684-3918 or Commercial Equivalent	19204	SC3455-95CLA06	1
Brush, Dusting, Bench	7920-00-240-6358 or Commercial Equivalent	80244	7920-00-240-6358	1
Brush, Paint	8020-00-245-4515 or Commercial Equivalent	80244	PD8020-00-245-4517	4
Brush, Paint	8020-00-597-5301 or Commercial Equivalent	80244	PD8020-00-559-0389	1
Cable Assembly, Power, Electrical, (50- feet)	6150-00-682-3460 or Commercial Equivalent	19207	11647741	4
Clamp, C (3.0 inches)	5120-00-249-7492 or Commercial Equivalent	66080	3FC	2
Clamp, C (4.5 inches)	5120-01-116-1040 or Commercial Equivalent	01DJ4	C-30-6	2
Clamp, C (6.0 inches)	5120-00-180-0897 or Commercial Equivalent	58536	A-A-433	2
Cutter, Cable, Hand Operated	5110-00-541-6730 or Commercial Equivalent	65196	C-12	1
Cutter, Carbide Tip, 20 mm (0.787 inches)	Jet Broach or Commercial Equivalent		TK00384-0	1
Cutter, Pilot Pin 2.0 inches	Jet Broach or Commercial Equivalent		UEA0850-2	1
Die Set, Metal Stamping, Hand 1/2-inch Characters	5110-00-540-6217 or Commercial Equivalent	80244	GGG-D-280-TY1GRB	1
Drill, Twist 0.332-Q size (pkg-6)	5133-00-262-2165 or Commercial Equivalent	13130	01247	1
Drill, Twist 0.413-Z size (pkg-12)	5133-00-292-2174 or Commercial Equivalent	13130	01282	1
Drill Set, Twist (0.063 through 0-50-inches)	5133-00-293-0983 or Commercial Equivalent	19203	800434	1
Drill Set, Twist (0.56 through 1.0-inches)	5133-01-196-4553 or Commercial Equivalent	52203	7710	1
Drill, Electric, Portable Angle (1/2-inch drive)	5130-01-180-7933 or Commercial Equivalent	60933	7556	1
Drill, Electric, Portable Straight (1/2-inch drive)	5130-00-293-1849 or Commercial Equivalent	55719	PD 5130-00-293-1849	1

9. SPECIAL TOOLS; TOOL KITS; JIGS; TEMPLATES; TEST, MEASUREMENT, AND DIAGNOSTIC EQUIPMENT (TMDE); AND FIXTURES REQUIRED (continued).

Table 9-1. Hand Tools (continued)

Nomenclature	National Stock Number	CAGEC	Part Number	QTY
Drill, Electric Portable (3/4-inch drive)	5130-01-087-6829 or Commercial Equivalent	80244	PD5130-01-087-6829	1
Dust Pan	7290-00-224-8303 or Commercial Equivalent	80244	A-A-300 TY2	1
Faceshield, Industrial	4240-00-202-9473 or Commercial Equivalent	81348	L-F-36	2
File, Hand Round	5110-00-234-6557 or Commercial Equivalent	80244	PD5110-00-234-6557	1
Funnel	7240-00-404-9795 or Commercial Equivalent	25795	4ZH73	1
Gloves, Men's and Woman's	8415-00-634-4658 or Commercial Equivalent	90142	37G2940	2
Gloves, Rubber Industrial	8415-00-266-8675 or Commercial Equivalent	81349	MIL-DTL-32066	2
Goggles, Industrial	4240-00-816-3819 or Commercial Equivalent	74936	WA60-5H0746-0315	2
Grinder, Portable (4 1/2-inch diameter)	Dewalt or Commercial Equivalent		DW818	1
Helmet, Safety	8415-00-935-1907 or Commercial Equivalent	88001	S2010A	1
Hoist, 5-ton (2-ton minimum)				1
Knife, Utility	5110-01-456-7801 or Commercial Equivalent	55719	YA581	1
Lamp, Incandescent	6240-00-824-4676 or Commercial Equivalent	08805	100A/RS/TF-115-125V	8
Level and Plumb (18-inches)	5210-00-277-2430 or Commercial Equivalent	14557	313-18IN	1
Light, Extension	6230-00-729-9259 or Commercial Equivalent	58536	A-A-60006-1-1-025	2
Manual Feed Drilling Machine	Nitto Kohki or Commercial Equivalent	N/A	016000102	1
Pail, Utility	7240-00-160-0455 or Commercial Equivalent	9C665	514	2
Pan, Drain	4910-00-387-9592 or Commercial Equivalent	36540	17942	1
Puller, Battery Terminal	5120-00-944-4268 or Commercial Equivalent	36540	54150	1
Punch, Aligning (3/8-inch diameter, 8-inches long)	5120-00-293-0448 or Commercial Equivalent	05047	B107.48	2
Respirator, Air	4240-00-022-2524 or Commercial Equivalent	81348	GGG-M-125/6	2
Sander, Disc Electric	5130-00-596-9728 or Commercial Equivalent	07429	6112-90	2

9. SPECIAL TOOLS; TOOL KITS; JIGS; TEMPLATES; TEST, MEASUREMENT, AND DIAGNOSTIC EQUIPMENT (TMDE); AND FIXTURES REQUIRED (continued).

Table 9-1. Hand Tools (continued)

Nomenclature	National Stock Number	CAGEC	Part Number	QTY
Scriber, Machinist's	5120-00-221-7063 or Commercial Equivalent	18876	9176642	1
Sponge	7920-00-240-2555 or Commercial Equivalent	83421	7920-00-240-2555	2
Square, Carpenter's	5210-00-273-1948 or Commercial Equivalent	57068	45-120	1
Square, Combination	5210-00-078-8948 or Commercial Equivalent	58536	A-A-1379	1
Stencil Set, Mark (1/2-inch)	7520-00-205-1760 or Commercial Equivalent	83421	7520-00-205-1760	1
Stepladder (8-feet)	5440-00-227-1594 or Commercial Equivalent	80204	ANSIA14.1 TY1	1
Straight Edge	6675-00-224-8807 or Commercial Equivalent	74067	564000-36	1
Strap, Webbing	5340-01-059-7933 or Commercial Equivalent	20418	8690482	1
Tang Break Off Tool (for inserts)	5120-00-937-9731 or Commercial Equivalent	01556	4156-4	1
Threading Set, Screw	5180-00-448-2362 or Commercial Equivalent	81348	GGG-T-330	1
Tool Kit, General Mechanics	5180-00-177-7033 or Commercial Equivalent	50980	SC5180-90-CL-N26	1
Variable Speed Magnetic Base, Drill	Milwaukee or Commercial Equivalent	40898	CAT 4202 40817, Model 8373877778 42101	1
Wrench, Impact, Pneumatic (3/8-inch nominal)	5130-00-234-4881 or Commercial Equivalent	80204	PD 5130-00-234-4881	2

Table 9-2. Special Tools

Nomenclature	National Stock Number	CAGEC	Part Number	QTY
Endless Sling	3940-00-675-5003 or Commercial Equivalent	81996	PD101-96	1
Mounting Plate, Mounting Shell 13.50" x 22" x 0.50"		19207	12492102	1
Oil Transfer Kit	5180-01-415-1551 or Commercial Equivalent	19207	57K3247	1
Pumping Unit, Hydraulic	4320-01-141-8237 or Commercial Equivalent	97403	1322IE6735	1

9. SPECIAL TOOLS; TOOL KITS; JIGS; TEMPLATES; TEST, MEASUREMENT, AND DIAGNOSTIC EQUIPMENT (TMDE); AND FIXTURES REQUIRED (continued).

Table 9-3. Special Fixtures/Manufacturing

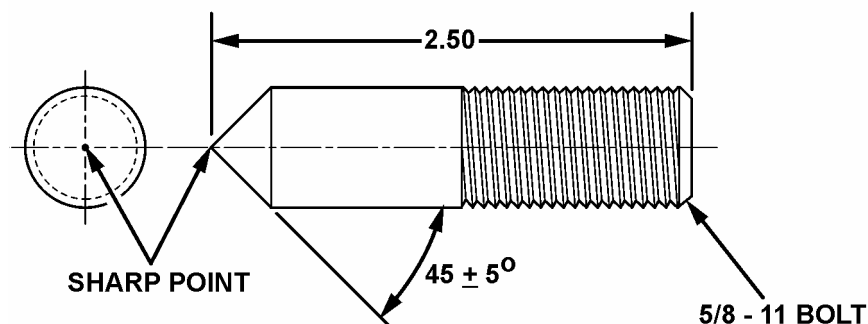
Nomenclature	National Stock Number	CAGEC	Part Number	QTY
Drilling Template, 2 x 8 Honeycomb		19207	12492101	1
Drilling Template, 4 x 6 Honeycomb		19207	12492100	1
Drilling Template, 4 x 6 Honeycomb Wall		19207	12492106	1
Folding Step, Mounting Bracket Template		19207	12492077	1
Hole Locating Template, Floor		19207	12492096	1
Isolator Mounting Template, Post, Lower		19207	12492097	1
Isolator Mounting Template, Post, Middle		19207	12492095	1
Isolator Mounting Template, Rear Wall, Middle		19207	12492094	1
Isolator Mounting Template, Shelf		19207	12496346	1
Lift Adapter Assembly, 2 x 8 Honeycomb		19207	12492082	1
Lift Adapter Assembly, 4 x 6 Honeycomb		19207	12496827	1
Lifting Beam Assembly, MACS		19207	12492104	1
Mounting Template, APU		19207	12496848	1
Stowage Basket Template, Left		19207	12492092	1
Stowage Basket Template, Right		19207	12496344	1
Template Assembly, Rear Door, MACS		19207	12492103	1

Table 9-4. TMDE

Nomenclature	National Stock Number	CAGEC	Part Number	QTY
Multimeter, Digital	6625-01-139-2512 or Commercial Equivalent	T0037	55026	1

Table 9-5. Illustrated List of Manufactured Items

Item	Part Number (CAGEC) Nomenclature	National Stock Number of Bulk Material	Required Length
Locating Screw, Floor Plate (12498381)	B1821BH063C300N (80204) Screw Cap, Hexagon Head	5305-00-724-7228	2.50-inches (6.35 cm)



10. MODIFICATION PROCEDURES.

a. Equipment Conditions.

1. Park vehicle on a level surface.

WARNING

Remove all jewelry, such as rings, identification tags, and bracelets. If jewelry contacts battery terminal, a direct short may result in instant heating of tools, damage to equipment, and injury or death to personnel.

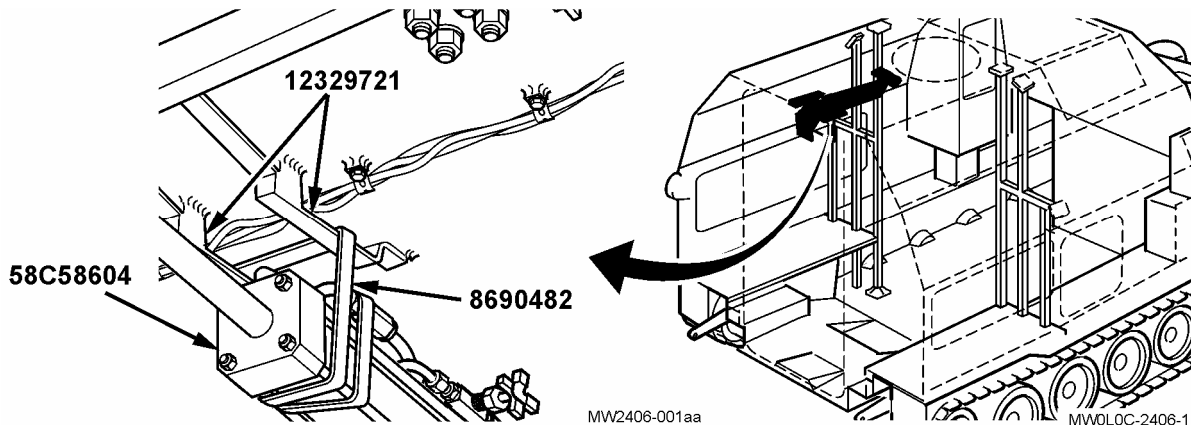
2. Set parking brake (TM 9-2350-293-10).
3. Open and secure lower rear door (TM 9-2350-293-10).
4. Disconnect battery ground leads (TM 9-2350-293-20&P).

b. Disassembly.

WARNING

Support the weight of the hydraulic actuator when detached from the upper rear door. Failure to do so may result in injury to personnel or damage to equipment.

1. Using strap 8090482, secure hydraulic actuator 58C58604 to guides 12329721.
2. Remove upper rear door with hinge attached (TM 9-2350-293-20&P). Set upper rear door with hinges attached and mounting hardware aside for disposition.



3. Remove crew compartment portable fire extinguisher and bracket (TM 9-2350-293-20&P). Retain crew compartment portable fire extinguisher and bracket for reinstallation. Set mounting hardware aside for disposition.
4. Remove lower rear door (TM 9-2350-293-20&P). Set lower rear door and mounting hardware aside for disposition.

10. MODIFICATION PROCEDURES (continued).

b. Disassembly (continued).

WARNING

Fluids on hull floor are slippery and can cause falls. To avoid injury, wipe up spilled hydraulic fluid with rags.

NOTE

Plug all open lines to prevent hydraulic fluid spillage. Have drainage container ready to catch hydraulic fluid.

5. Remove conveyor assembly and support stand (TM 9-2350-293-20&P). Set conveyor assembly, support stand, and mounting hardware aside for disposition. Retain two machine bolts 10920637 to aid in the installation of floor plate.
6. Remove right and left projectile racks (TM 9-2350-293-20&P). Retain right and left projectile racks, spacer, angle, and connecting rods for reinstallation.
7. Remove two trays from right projectile rack (TM 9-2350-293-20&P). Set trays and mounting hardware aside for disposition.
8. Deactivate the AFES system (TM 9-2350-293-20&P).
9. Remove two engine AFES fire extinguisher bottles (TM 9-2350-293-20&P). Set engine AFES fire extinguisher bottles aside for disposition. Tape wiring harness connections to prevent contamination during rework task.
10. Remove crew No. 1, 2, 3, and 4 AFES fire extinguisher bottles (TM 9-2350-293-20&P). Retain crew AFES fire extinguisher bottles for reinstallation. Tape wiring harness connections to prevent contamination during rework task.
11. Remove crew No. 1, 2, 3, and 4 AFES fire extinguisher bottle mounting brackets (TM 9-2350-293-20&P). Retain crew AFES fire extinguisher bottle mounting brackets for reinstallation. Set aside mounting hardware for disposition.
12. Remove crew No. 5 and 6 AFES fire extinguisher bottles on vehicles S/N 345 and above (TM 9-2350-293-20&P). Retain crew AFES fire extinguisher bottles for reinstallation. Tape wiring harness connections to prevent contamination during rework task.
13. Remove two engine AFES fire extinguisher bottle mounting brackets (TM 9-2350-293-20&P). Retain mounting brackets for reinstallation. Set aside mounting hardware for disposition.

NOTE

Plug all open lines to prevent hydraulic fluid spillage. Have drainage container ready to catch hydraulic fluid.

14. Remove upper rear door actuator mounting bracket and hydraulic actuator (TM 9-2350-293-20&P). Set upper rear door actuator mounting bracket, hydraulic actuator, and mounting hardware aside for disposition.

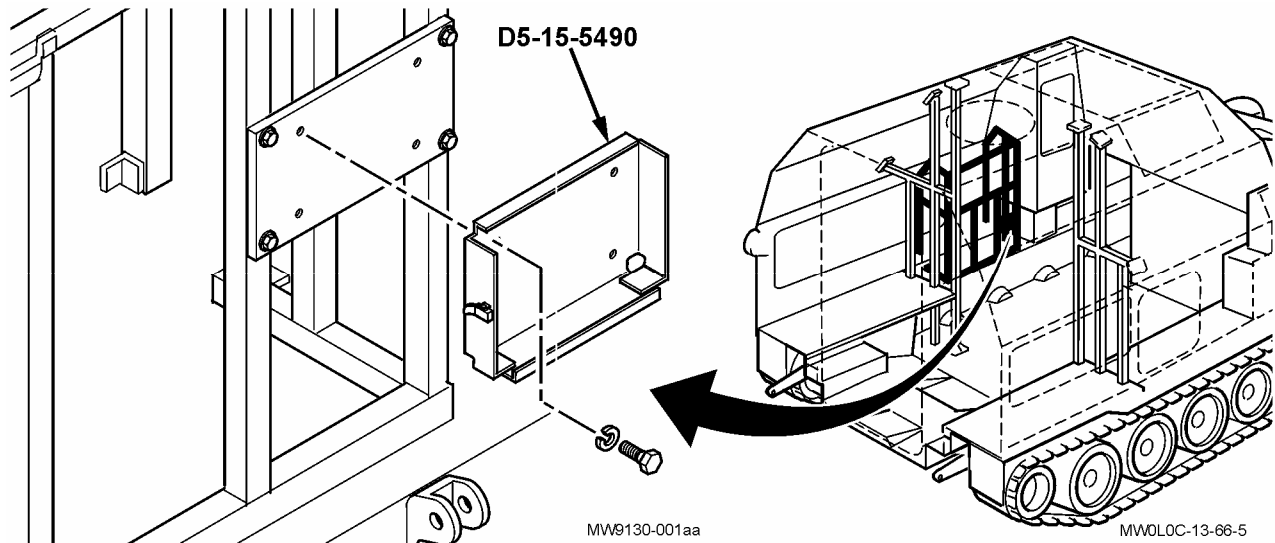
10. MODIFICATION PROCEDURES (continued).

b. Disassembly (continued).

NOTE

Perform step 15 if EIR digest article, TB 43-0001-62-8, NBC Alarm Alternate Location, has been applied to the vehicle.

15. Remove four hexagon head capscrews, lockwashers, and automatic alarm chassis D5-15-5490 from left front canister compartment ammunition stowage rack. Set hardware aside for disposition. Retain automatic alarm chassis for reinstallation.

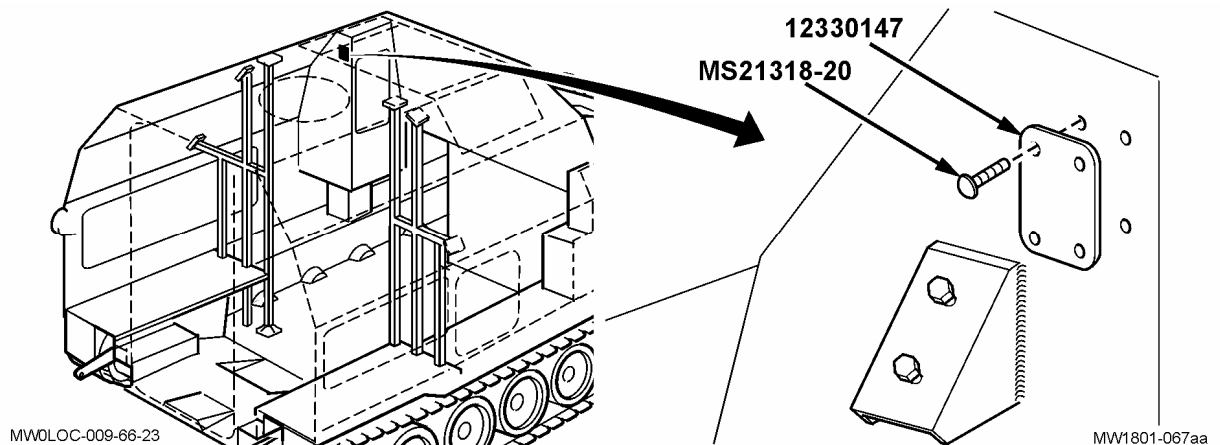


16. Remove Mounted Water Ration Heater (MWRH) bracket (TM 9-2350-293-20&P). Retain MWRH bracket for reinstallation. Set aside mounting hardware for disposition.
17. Remove MWRH harness from hull (TM 9-2350-293-20&P). Retain MWRH harness for reinstallation. Set aside mounting hardware for disposition.
18. Remove left front canister compartment ammunition stowage rack (TM 9-2350-293-20&P). Retain four hexagon head capscrews, B1821BH038C100N, to aid in the installation of the vertical stowage rack assembly. Set left front canister compartment ammunition stowage rack and remaining mounting hardware aside for disposition.
19. Remove hydraulic control panel with gage panel on vehicles S/N 1 through 820 (TM 9-2350-293-20&P). Set hydraulic control panel and mounting hardware aside for disposition.
20. Remove hydraulic manifold assembly on vehicles S/N 821 and above (TM 9-2350-293-20&P). Set hydraulic manifold assembly and mounting hardware aside for disposition.
21. Remove hydraulic control gage panel on vehicles S/N 821 and above (TM 9-2350-293-20&P). Set hydraulic control gage panel and mounting hardware aside for disposition.
22. Remove ventilating hose (TM 9-2350-293-20&P). Retain ventilating hose and clamps for reinstallation.

10. MODIFICATION PROCEDURES (continued).

b. Disassembly (continued).

23. Remove personnel heater ventilation ducts and hose (TM 9-2350-293-20&P). Retain personnel ventilation ducts and hose for reinstallation. Set mounting hardware aside for disposition. Plug or cover heater and hose openings to prevent contamination during rework task.
24. Remove air cleaner blower motors (TM 9-2350-293-20&P). Retain air cleaner blower motors for reinstallation. Set mounting hardware aside for disposition. Tape wiring harness connections to prevent contamination during rework task.
25. Remove air outlet orifice connectors and NBC hoses from left and right rear canister supports and lower canister shelf (TM 9-2350-293-20&P). Retain air outlet orifice connectors for reinstallation. Tape wiring harness connections to prevent contamination during rework task. Discard retaining rings.
26. Remove NBC orifice bracket from lower left canister shelf (TM 9-2350-293-20&P). Set mounting hardware aside for disposition. Retain NBC orifice bracket for reinstallation.
27. Remove hydraulic filter, filler cap, and hoses (TM 9-2350-293-20&P). Set hydraulic filter, filler cap, hoses, and mounting hardware aside for disposition.
28. Remove all hydraulic and conveyor system tubes, hoses, and fittings (TM 9-2350-293-20&P). Set hydraulic and conveyor system tubes, hoses, and fittings aside for disposition. Retain mounting plate 12330130 for reinstallation.
29. Using hydraulic pumping unit HHF-IA3-1/3-6510, drain hydraulic reservoir assembly.
30. Remove hydraulic reservoir assembly (TM 9-2350-293-20&P). Set hydraulic reservoir assembly and mounting hardware aside for disposition.
31. Remove APU compartment access cover (TM 9-2350-293-20&P). Retain APU compartment access cover and four hexagon head capscrews B1821BH025C063N for reinstallation. Access cover is used to protect the APU compartment from contamination during the rework task. Set aside remaining mounting hardware for disposition.
32. If present, remove four drive screws MS21318-20 and plate 12330147 from crew side of APU compartment. Set plate and mounting hardware aside for disposition.



10. MODIFICATION PROCEDURES (continued).

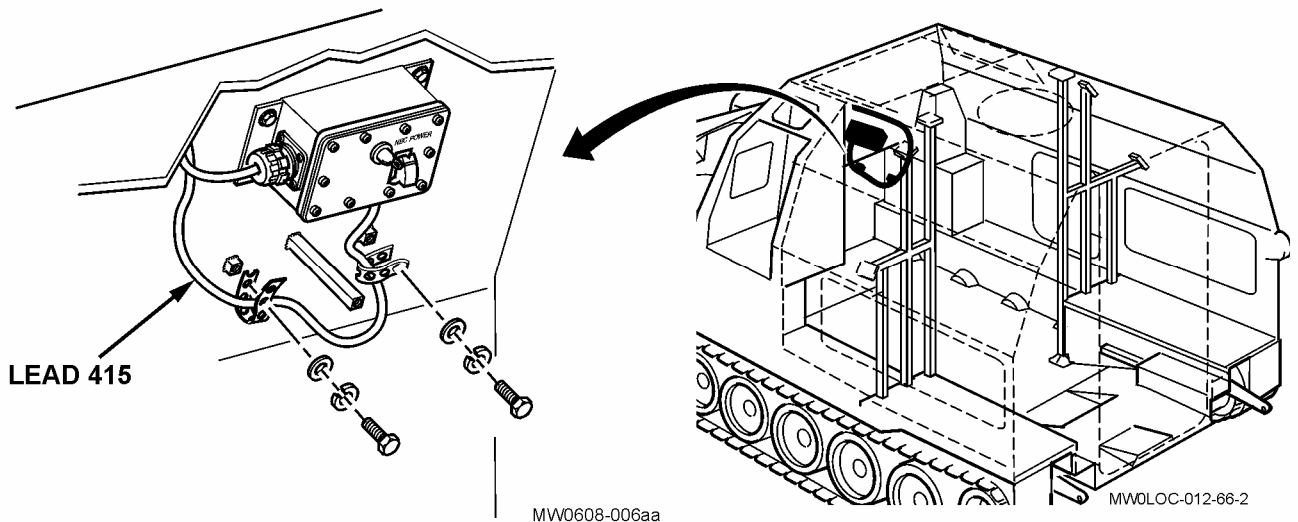
b. Disassembly (continued).

- 33. Remove upper and lower rear door control switches and mounting brackets (TM 9-2350-293-20&P). Set upper and lower rear door control switches, brackets, and mounting hardware aside for disposition.
- 34. Remove blackout curtain turnbuckles (TM 9-2350-293-20&P). Set blackout curtain turnbuckles aside for disposition.

NOTE

Tape all open NBC hoses to prevent contamination.

- 35. Remove M2A2 air purifier (TM 9-2350-293-20&P). Retain M2A2 air purifier for reinstallation. Set aside mounting hardware for disposition.
- 36. Remove APU control box and mounting bracket (TM 9-2350-293-20&P). Set APU control box, mounting bracket, and mounting hardware aside for disposition.
- 37. Remove left and right stowage nets (TM 9-2350-293-20&P). Retain nets for reinstallation. Set mounting hardware aside for disposition.
- 38. Remove left canister restraints (TM 9-2350-293-20&P). Set left canister restraints aside for disposition.
- 39. Remove left rear canister compartment shelf 12330682-1 (second from top) and supports (TM 9-2350-293-20&P). Remove double angle bracket 12330323 from storage shelf 12330682-1. Retain double angle bracket 12330323 for reinstallation. Set canister shelf 12330682-1, supports, and mounting hardware aside for disposition.
- 40. Remove two screws, lockwashers, clamps, and lead 415 of wiring harness 12376405 from hull on vehicles S/N 1 through 675. Set aside mounting hardware for disposition.

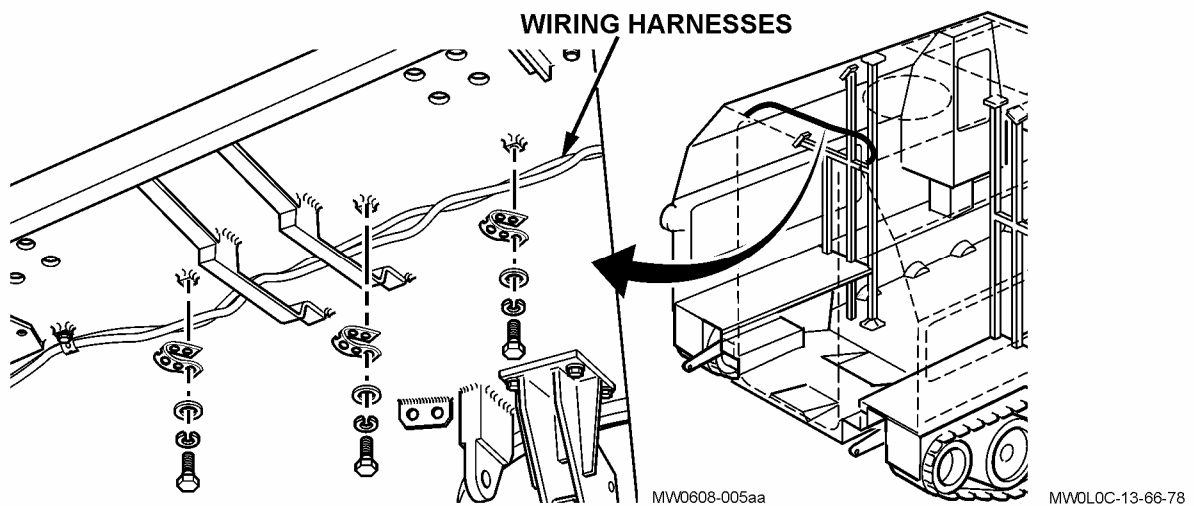


VEHICLES S/N 1 THROUGH 675

10. MODIFICATION PROCEDURES (continued).

b. Disassembly (continued).

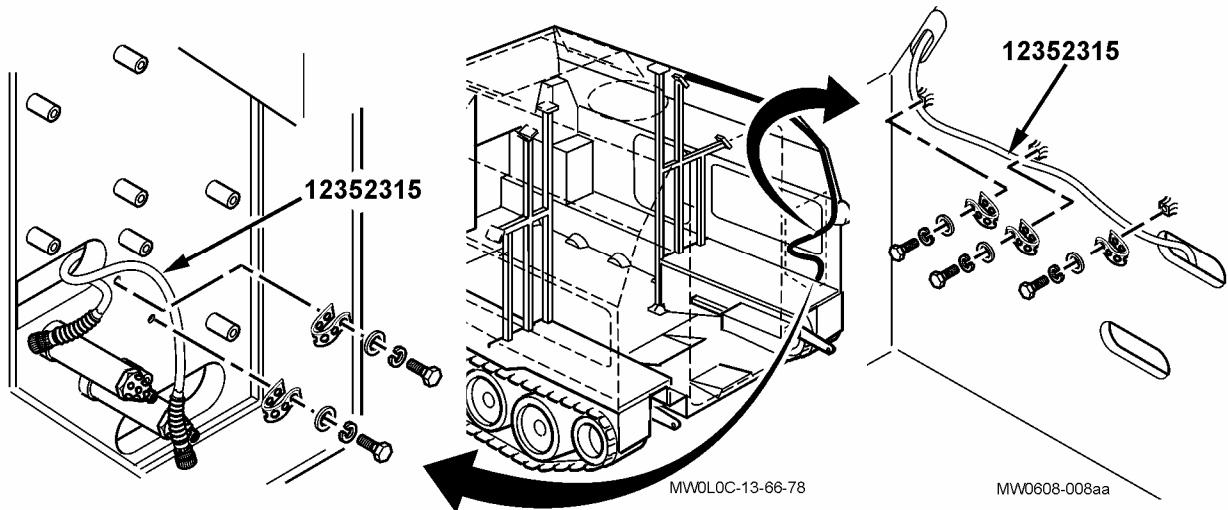
41. Remove NBC detector bracket assembly (TM 9-2350-293-20&P). Retain NBC detector bracket assembly for reinstallation. Set aside mounting hardware for disposition.
42. Remove right canister restraints (TM 9-2350-293-20&P). Set right canister restraints and mounting hardware aside for disposition.
43. Remove right rear canister compartment shelf assembly 12330332 and supports (TM 9-2350-293-20&P). Set canister shelf assembly, supports, and mounting hardware aside for disposition.
44. Remove two commander's steps from right structural section (TM 9-2350-293-20&P). Retain two commander's steps and mounting hardware for reinstallation.
45. Remove commander's seat and mounting bracket (TM 9-2350-293-20&P). Retain commander's seat and mounting bracket for reinstallation. Set mounting hardware aside for disposition.
46. Remove three screws, lockwashers, clamps, and wiring harnesses from hull ceiling. Set mounting hardware aside for disposition.



10. MODIFICATION PROCEDURES (continued).

b. Disassembly (continued).

47. Remove five screws, lockwashers, flat washers, clamps, and AFES wiring harness 12352315 from rear hull wall on vehicles S/N 345 and above. Set mounting hardware aside for disposition.

**VEHICLES S/N 345 AND ABOVE**

48. Remove left rear intercommunication individual control, C-12357/VRC (TM 9-2350-293-10). Retain intercommunication control set for reinstallation. Set mounting hardware aside for disposition. Tape wiring harness connections to prevent contamination during rework task.
49. Remove right canister door latch assembly (TM 9-2350-293-20&P). Set escutcheon plate, spacer plate, latch, and mounting hardware aside for disposition.
50. Remove right canister door latch and bumper assemblies (TM 9-2350-293-20&P). Set right canister door latch, bumper and mounting hardware aside for disposition.
51. Remove right canister door seals (TM 9-2350-293-20&P). On vehicles S/N 1 through 33, remove rubber seal strip 12332986-2 from hinge seal channel of right canister door. Set door seals and shim aside for disposition.

10. MODIFICATION PROCEDURES (continued).

b. Disassembly (continued).

NOTE

The telephone reel cable mounting bracket could be welded to the hull or attached to the rear NATO/slave trailer receptacle guard. If welded, remove as part of the hull modification task of this MWO.

52. Remove telephone hand reel and bracket (TM 9-2350-293-20&P). Set telephone hand reel, bracket, and mounting hardware aside for disposition.
53. Remove trailer receptacle cover (TM 9-2350-293-20&P). Retain trailer receptacle cover for reinstallation. Set mounting hardware aside for disposition.

NOTE

For vehicles S/N 1 through 344, perform step 54 to remove left and right stowage basket. For vehicles S/N 345 and above, perform step 54 to remove left stowage basket only.

54. Remove rear stowage basket(s) (TM 9-2350-293-20&P). Retain rear stowage basket(s) for reinstallation. Retain four bolts B1821BH025C075N to aid in the installation of the rear stowage basket(s) template(s) (12492092 and 12496344). Set remaining mounting hardware aside for disposition.
55. Position driver's portable instrument panel in the remote location (TM 9-2350-293-10).
56. Remove driver's left side M45 periscope and sleeve (TM 9-2350-293-20&P). Retain M45 periscope and sleeve for reinstallation. Set mounting hardware aside for disposition.
57. Remove far left side M45 periscope retaining rods and cams (TM 9-2350-293-20&P). Retain rods and cams for reinstallation. Set wingnut aside for disposition.
58. Remove APU voltage regulator, mounting bracket, and isolators (TM 9-2350-293-20&P). Set APU voltage regulator, mounting bracket, isolators, and mounting hardware aside for disposition.
59. Remove engine AFES test and alarm (T/A) panel and bracket (TM 9-2350-293-20&P). Retain T/A panel for reinstallation. Set mounting hardware aside for disposition.
60. Remove M45 periscope stowage box (TM 9-2350-293-20&P). Retain stowage box for reinstallation. Set mounting hardware aside for disposition.
61. Remove relay access cover (TM 9-2350-293-20&P). Retain cover for reinstallation. Set mounting hardware aside for disposition.
62. Remove driver's bulkhead to APU voltage regulator wiring harness 12330256 (TM 9-2350-293-20&P). Set driver's bulkhead to APU voltage regulator wiring harness and mounting hardware aside for disposition.
63. Remove battery to driver's bulkhead wiring harness 12330317 (TM 9-2350-293-20&P). Set wiring harness aside for disposition.
64. Remove two wiring harness guards from left front sponson (TM 9-2350-293-20&P). Retain wiring harness guards and four hexagon head capscrews B1821BH025C063N for reinstallation. Set aside remaining hardware for disposition.

10. MODIFICATION PROCEDURES (continued).

b. Disassembly (continued).

65. Remove NATO slave harness 12376573 from vehicle (TM 9-2350-293-20&P). Set NATO slave harness mounting hardware aside for disposition.
66. Remove APU control box to APU voltage regulator wiring harness 12330248-1 (TM 9-2350-293-20&P). Set APU control box to APU voltage regulator wiring harness aside for disposition.

NOTE

Wiring harness guards are reinstalled to protect wiring harnesses during rework task.

67. Install two wiring harness guards on left front sponson with four hexagon head capscrews B1821BH025C063N previously removed.
68. Remove NATO inter-vehicular slave connector ground lead 12332678 from vehicle (TM 9-2350-293-20&P). Set ground lead aside for disposition.
69. Remove APU engine assembly (TM 9-2350-293-20&P). Set APU engine assembly and mounting hardware aside for disposition.

NOTE

Perform step 70 and 71 for removing the APU exhaust system on vehicles S/N 1 through 820. The exhaust system on vehicles S/N 821 and above is not to be removed unless inspection requires replacement of components, as directed by unit Point of Contact (POC).

70. Remove the entire APU exhaust system from vehicle for S/N 1 through 675. Retain the exhaust pipe 12330352 for reinstallation. Set remaining hardware aside for disposition.
71. Remove the APU exhaust muffler and muffler guard from the vehicle for S/N 676 through 820. Retain the muffler guard for reinstallation. Set remaining hardware aside for disposition.
72. Remove APU hydraulic pressure switch (TM 9-2350-293-20&P). Retain three hexagon head capscrews B1821BH025C075N to aid in the installation of the APU kit. Set APU hydraulic pressure switch and mounting hardware aside for disposition.
73. Remove APU fuel filters, fuel drain hoses, and fluid filter head from vehicle (TM 9-2350-293-20&P). Set fuel filters, hoses, fuel filter head, and hardware aside for disposition.

NOTE

Perform step 74 for vehicles equipped with HATZ APU.

74. Remove APU cooling fan and bracket (TM 9-2350-293-20&P). Set APU cooling fan, bracket, and mounting hardware aside for disposition.

NOTE

APU access panel is reinstalled to protect APU compartment during rework task.

75. Install APU access panel on APU compartment with four hexagon head capscrews B1821BH025C063N previously removed.

10. MODIFICATION PROCEDURES (continued).

c. Inspection.

1. Inspect all components, removed and retained for reinstallation, for evidence of bends, breaks, cracks, fractures, warpage, and deformation. Notify unit Point of Contact (POC) for damaged items.
2. Inspect all threaded inserts, hose connections, and fittings for damage and security. Notify unit POC for damaged items.
3. Check for any evidence of corrosion and deterioration on surfaces. Notify unit POC for damaged items.

d. Rework.

WARNING

Eye and hearing protection must be worn at all times when using power tools for grinding, cutting, sawing, and drilling. Failure to do so may result in injury to personnel.

WARNING

CARC paint contains isocyanate (HDI), which is highly irritating to skin and respiratory system. High concentrations of HDI can produce symptoms of itching and reddening of skin, a burning sensation in throat and nose, and watering of the eyes. In extreme concentrations, HDI can cause cough, shortness of breath, pain during respiration, increased sputum production, and chest tightness. The following precautions must be taken whenever using CARC paint:

- **NEVER cut CARC-coated materials without high-efficiency, air-purifying respirators in use.**
- **DO NOT grind or sand painted equipment without high-efficiency, air-purifying respirators in use.**
- **BE AWARE of CARC paint exposure symptoms; symptoms can occur a few days after initial exposure. Seek medical help immediately if symptoms are detected.**

CAUTION

Ensure all exposed electrical connections, hoses, and ducts are closed shut, taped, sealed, and properly protected to prevent contamination during the rework task.

NOTE

The instructions in this section are to be used in conjunction with the rework procedures of the MWO Supplement.

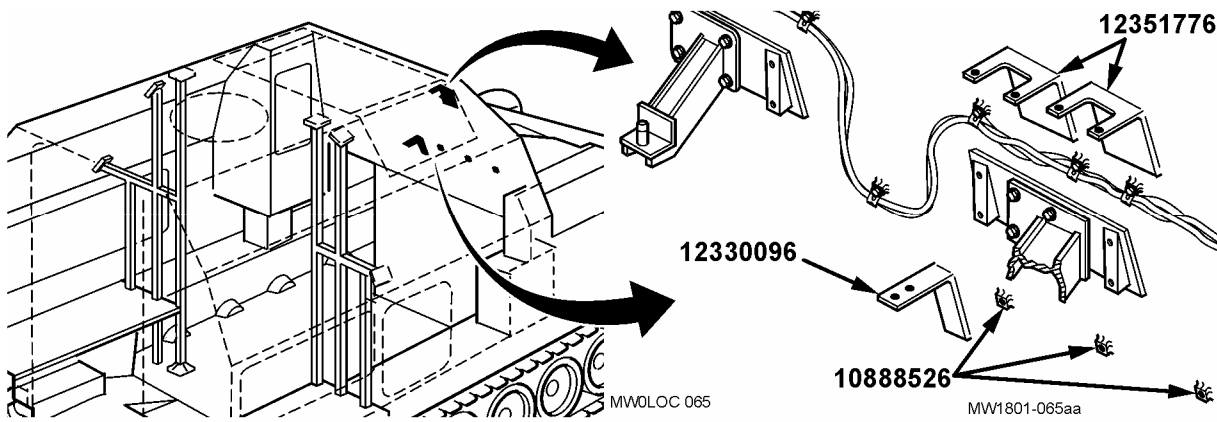
10. MODIFICATION PROCEDURES (continued).

d. Rework (continued).

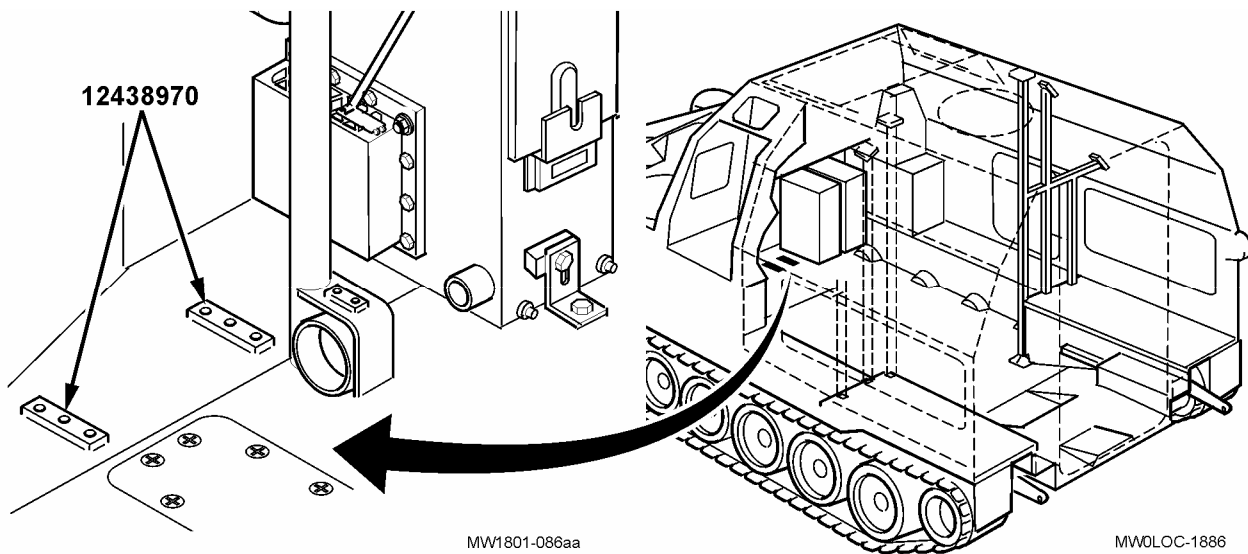
NOTE

Some vehicles are equipped with two hydraulic bent tube brackets 12351776. Remove both brackets if present.

1. Remove hydraulic vent tube bracket (s) 12351776 and filter bracket 12330096, as shown. Grind smooth to surface of hull.
2. Remove three blocks 10888526, as shown. Grind smooth to surface of the hull.



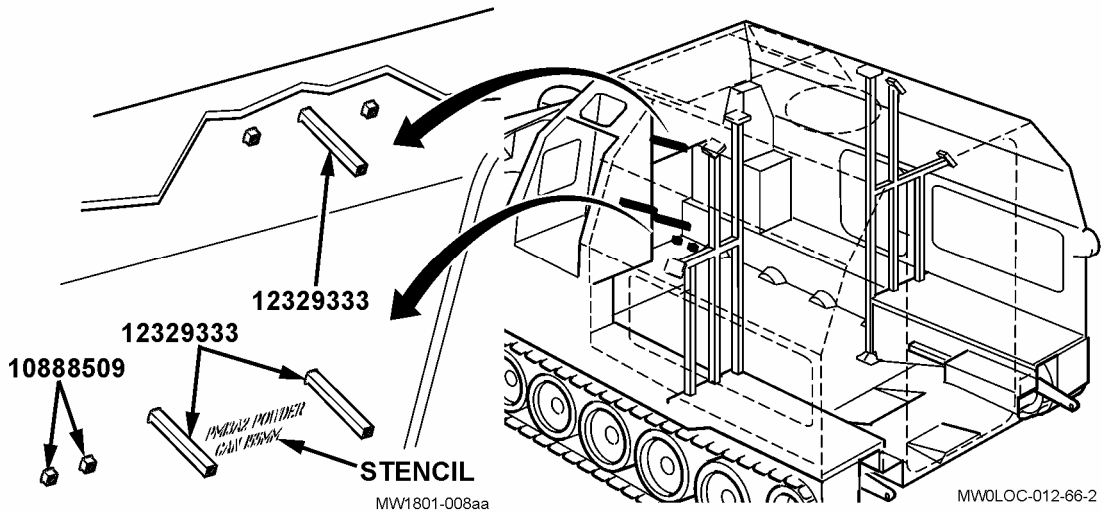
3. Remove two hydraulic reservoir mounting blocks 12438970 from hull floor, as shown. Grind smooth to surface of hull floor.



10. MODIFICATION PROCEDURES (continued).

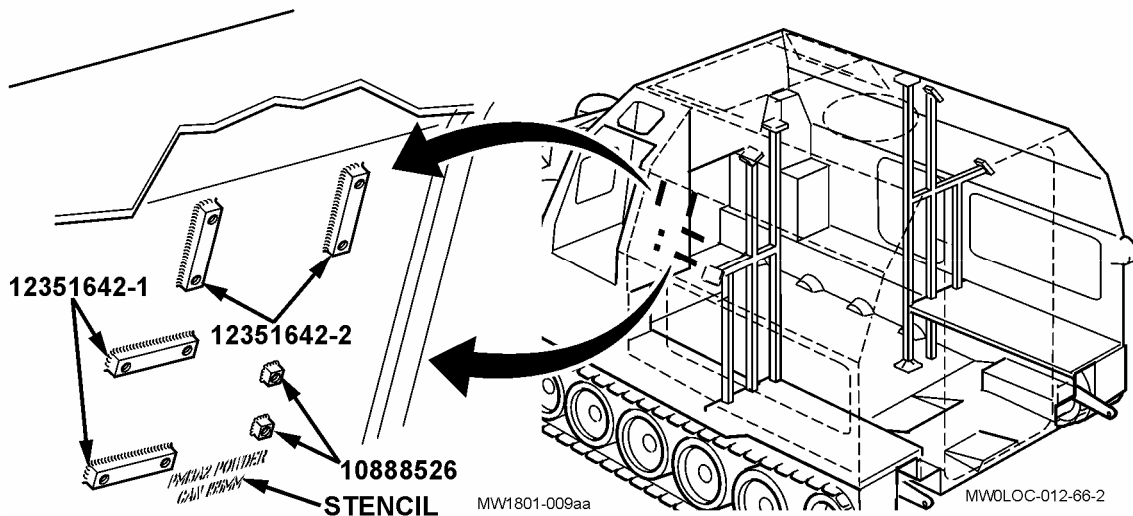
d. Rework (continued).

4. Remove three hydraulic panel mounting stand offs 12329333 and two blocks 10888509 on vehicles S/N 1 through 820, as shown. Grind smooth to surface of hull.



VEHICLES S/N 1 THROUGH 820

5. Remove two hydraulic panel mounting pads 12351642-1, 12351642-2, and two blocks 10888526 from hull on vehicles S/N 821 and above, as shown. Grind smooth to surface of hull.
6. Remove stencil M13A2 POWDER CAN 155 MM from hull.

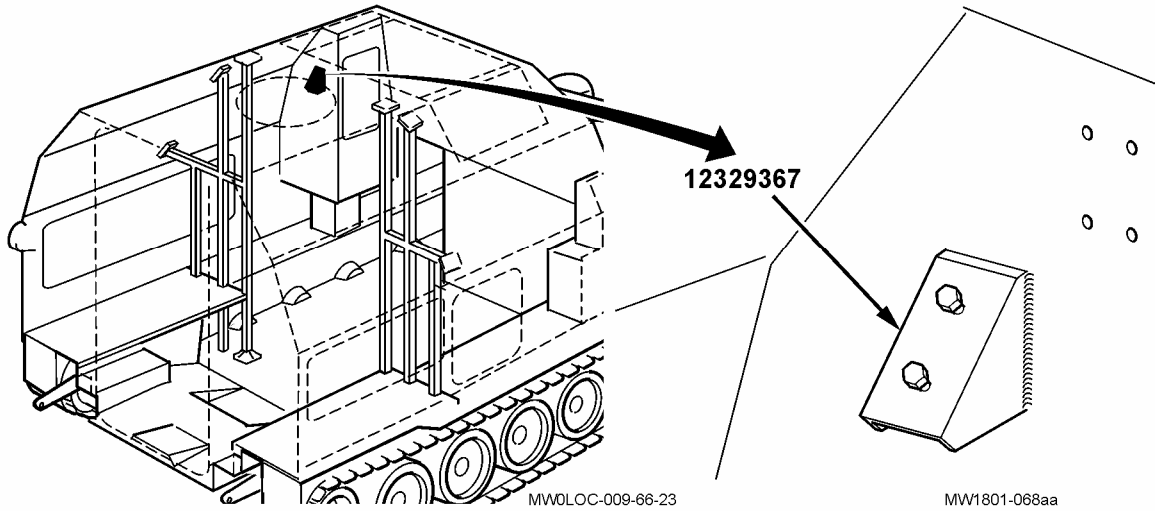


VEHICLES S/N 821 AND ABOVE

10. MODIFICATION PROCEDURES (continued).

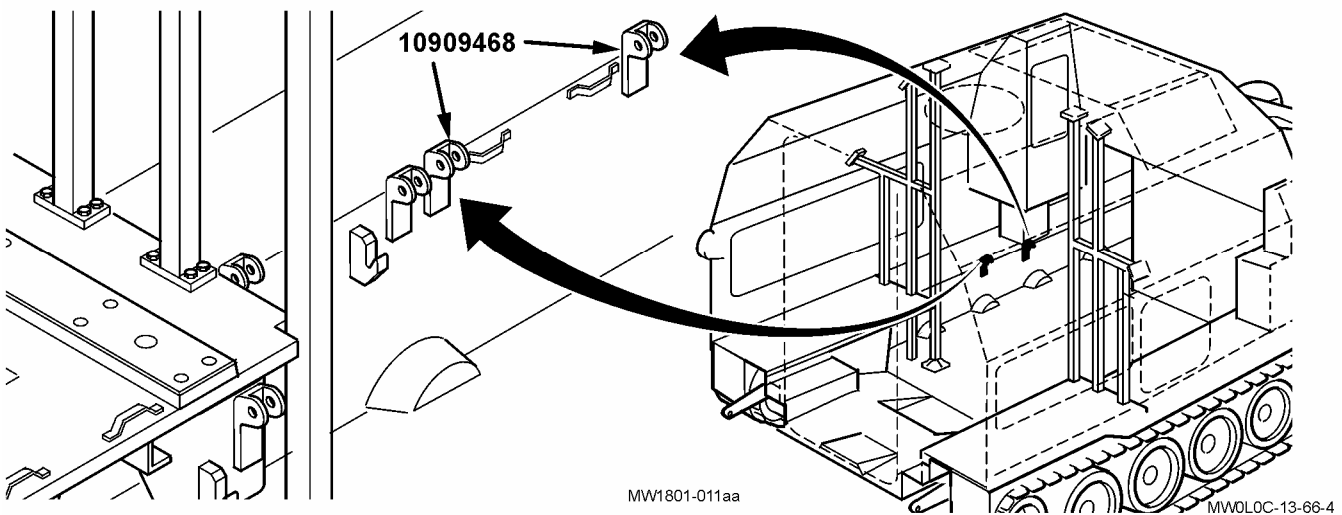
d. Rework (continued).

7. Remove bracket 12329367 from APU compartment bulkhead on vehicles S/N 1 through 675, as shown. Grind smooth to surface of bulkhead.



VEHICLES S/N 1 THROUGH 675

8. Remove two left side front troop seat supports 10909468 from sponson, as shown. Grind smooth to surface of sponson.

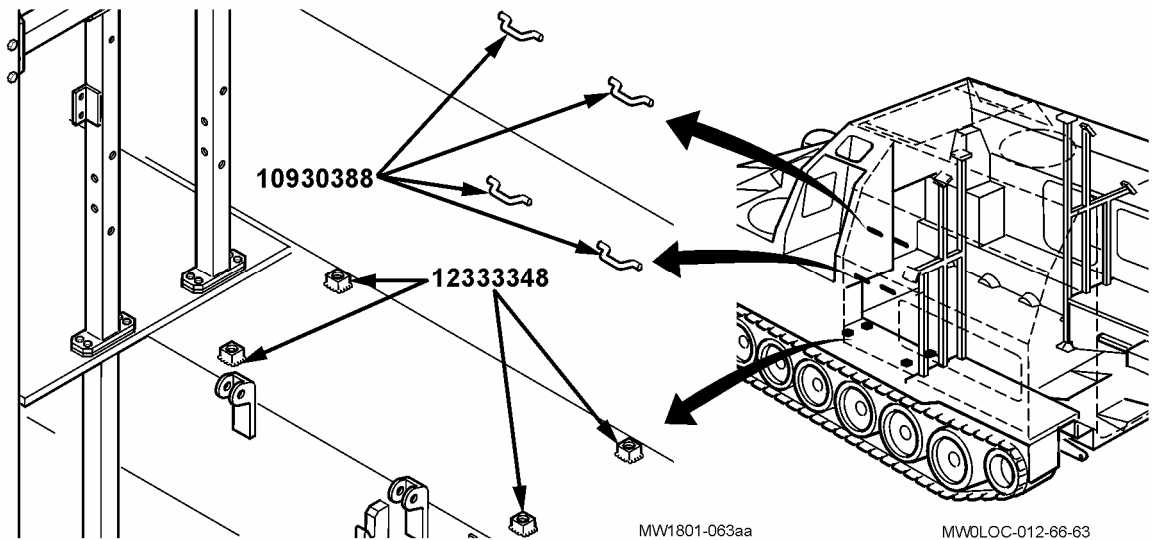


10. MODIFICATION PROCEDURES (continued).

d. Rework (continued).

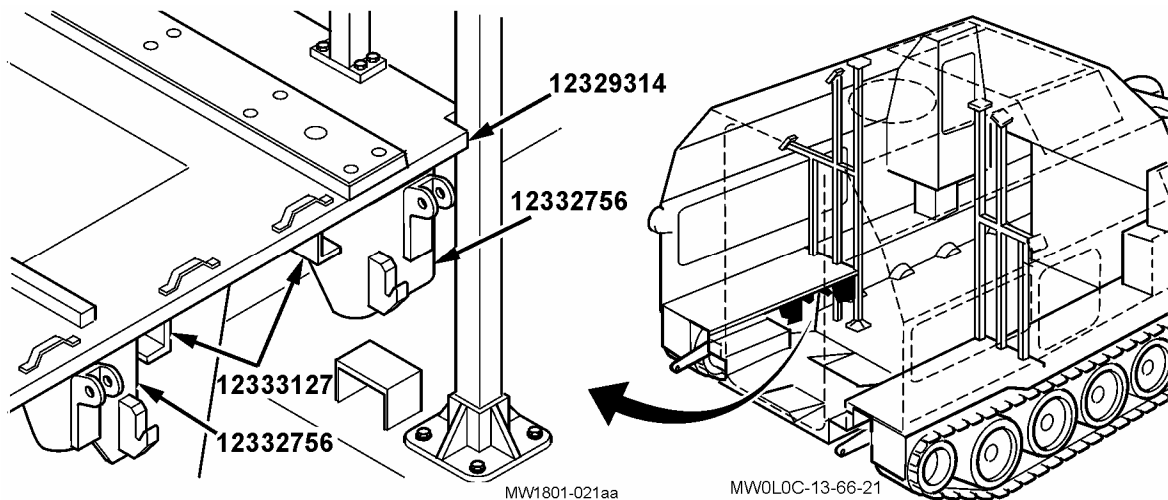
9. Remove four bosses 12333348 from left front sponson. Grind smooth to surface of left front sponson.

10. Remove left front canister strap handles 10930388 from hull plate. Grind smooth to surface of hull plate.



11. Remove two weldment supports 12332756 from bottom left canister shelf 12329314 on vehicles S/N 1 through 675, as shown. Grind smooth to surface of left canister shelf.

12. Remove two angle brackets 12333127 from bottom left canister shelf 12329314 on vehicles S/N 1 through 675, as shown. Grind smooth to surface of left canister shelf.



VEHICLES S/N 1 THROUGH 675

10. MODIFICATION PROCEDURES (continued).

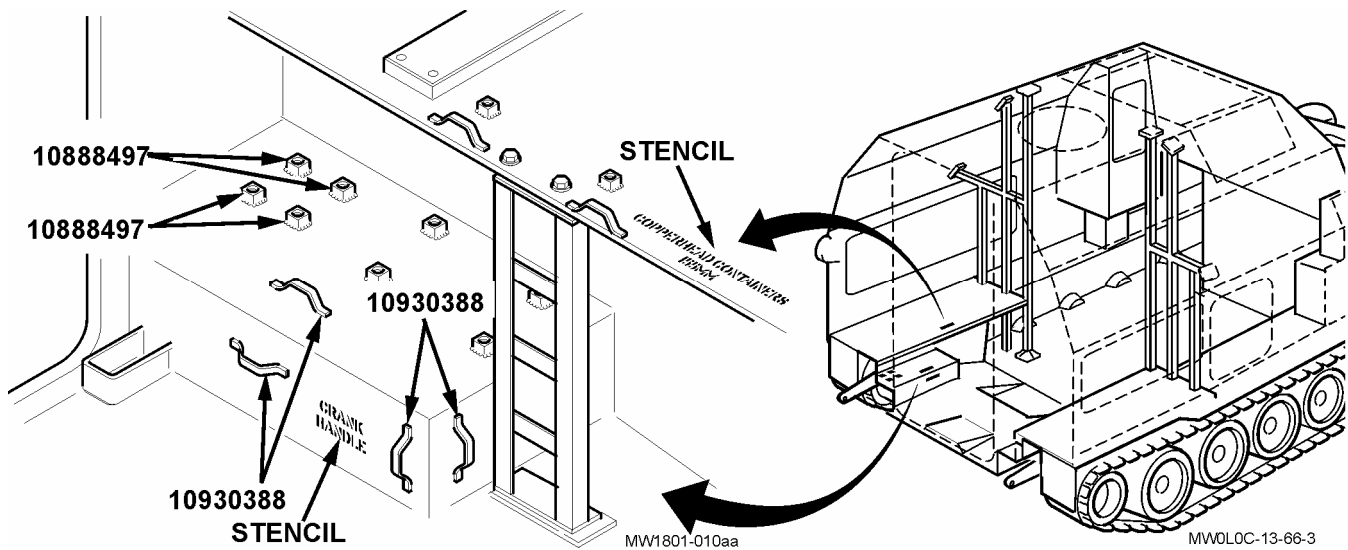
d. Rework (continued).

13. Remove four conveyor crank handle strap fastener straps 10930388 from left lower rear sponson, as shown. Grind smooth to surface of left lower rear sponson.

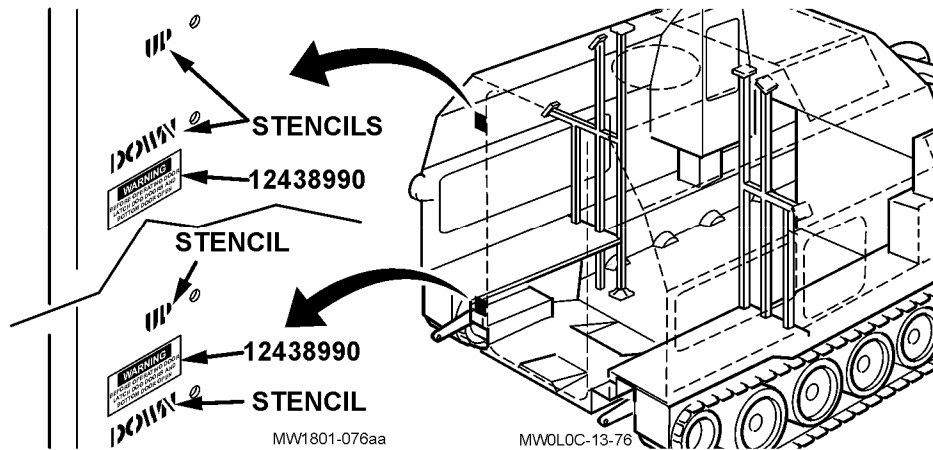
14. Remove four APU control box mounting bosses 10888497 from left lower rear sponson, as shown. Grind smooth to surface of left lower rear sponson.

15. Remove stencil CRANK HANDLE from left lower rear sponson, as shown.

16. Remove stencil COPPER HEAD CONTAINERS 155 MM from lower ammunition storage shelf, as shown.



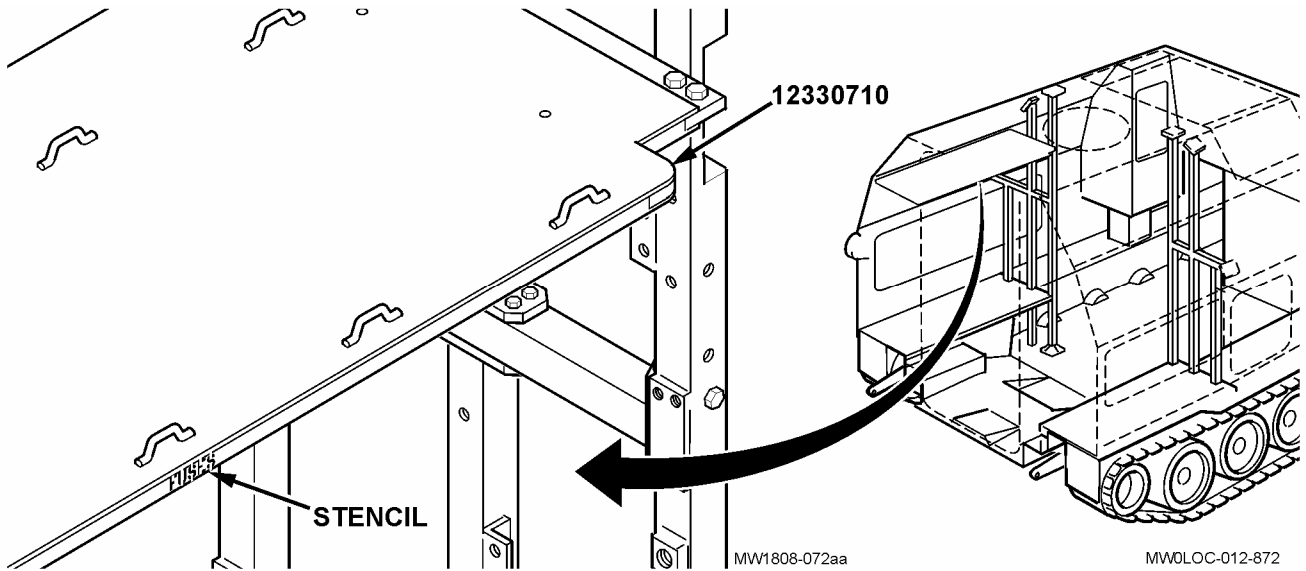
17. Remove two labels 12438990 and stencils UP and DOWN from the former upper and lower rear door control switch locations, as shown.



10. MODIFICATION PROCEDURES (continued).

d. Rework (continued).

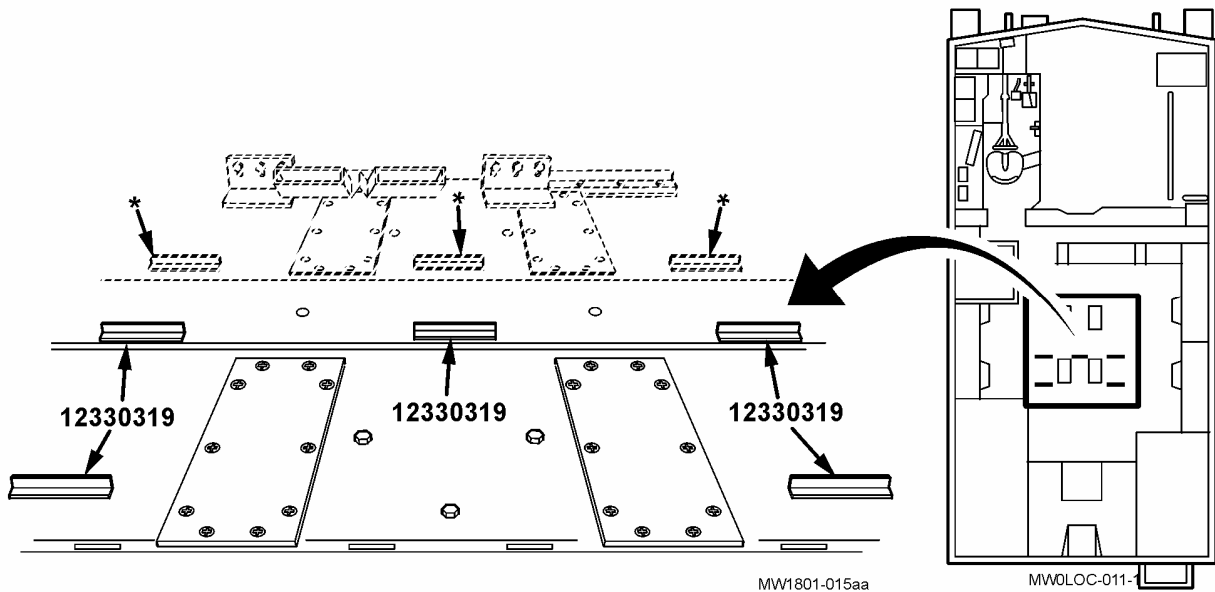
18. Remove stencil FUSES from top left shelf 12330710, as shown.



NOTE

Perform step 19 on vehicles S/N 1 through 675. Do not remove rear mat stays 12330319, marked by an asterisk (*) as shown, from vehicle.

19. Remove rear five floor mat stays 12330319, leaving three forward from hull floor.



VEHICLES S/N 1 through 675

10. MODIFICATION PROCEDURES (continued).

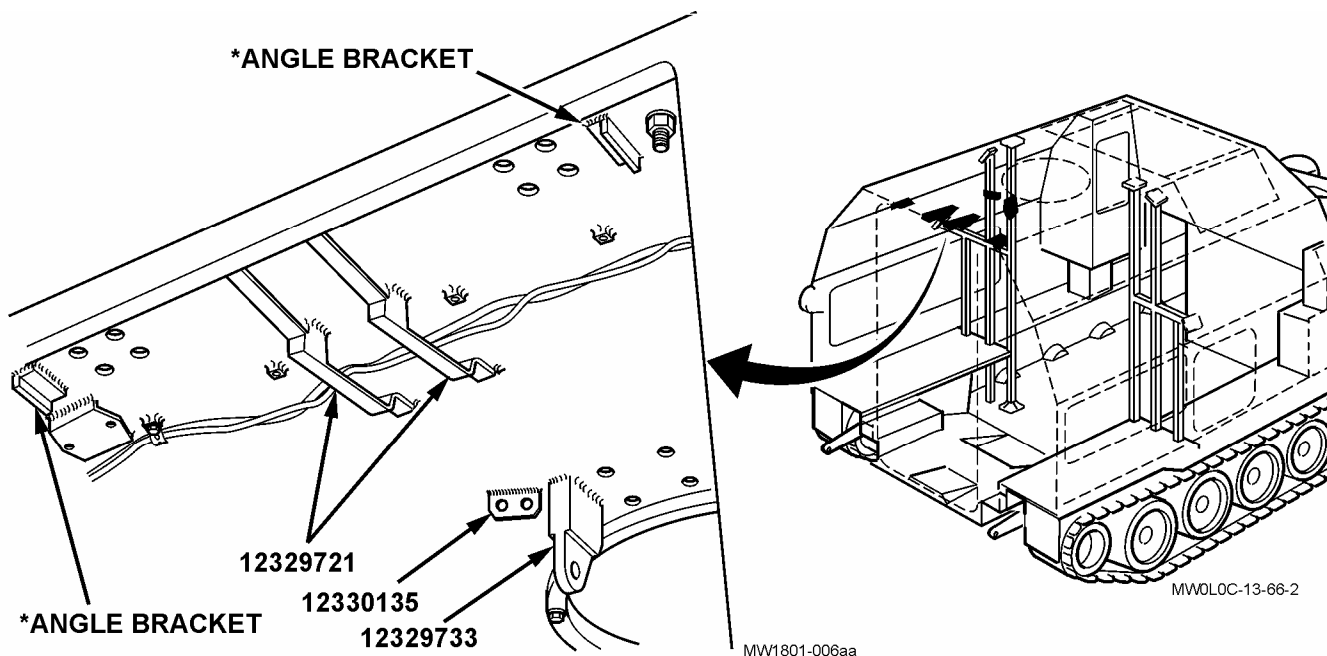
d. Rework (continued).

20. Remove two guides 12329721 from hull ceiling, as shown. Grind smooth to surface of hull ceiling.

21. Remove plate 12330135 from hull ceiling, as shown. Grind smooth to surface of hull ceiling.

22. Remove bracket 12329733 from hull ceiling, as shown. Grind smooth to surface of hull ceiling.

23. Remove two angle brackets from hull ceiling on vehicles S/N 1 through 675, as shown. Grind smooth to surface of hull ceiling.

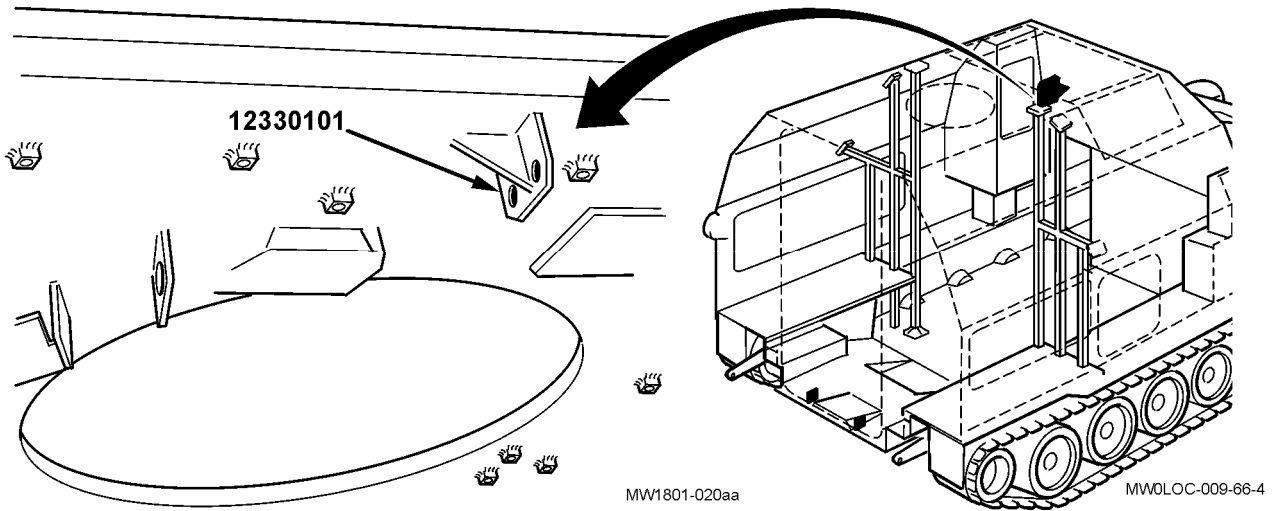


***VEHICLES S/N 1 THROUGH 675**

10. MODIFICATION PROCEDURES (continued).

d. Rework (continued).

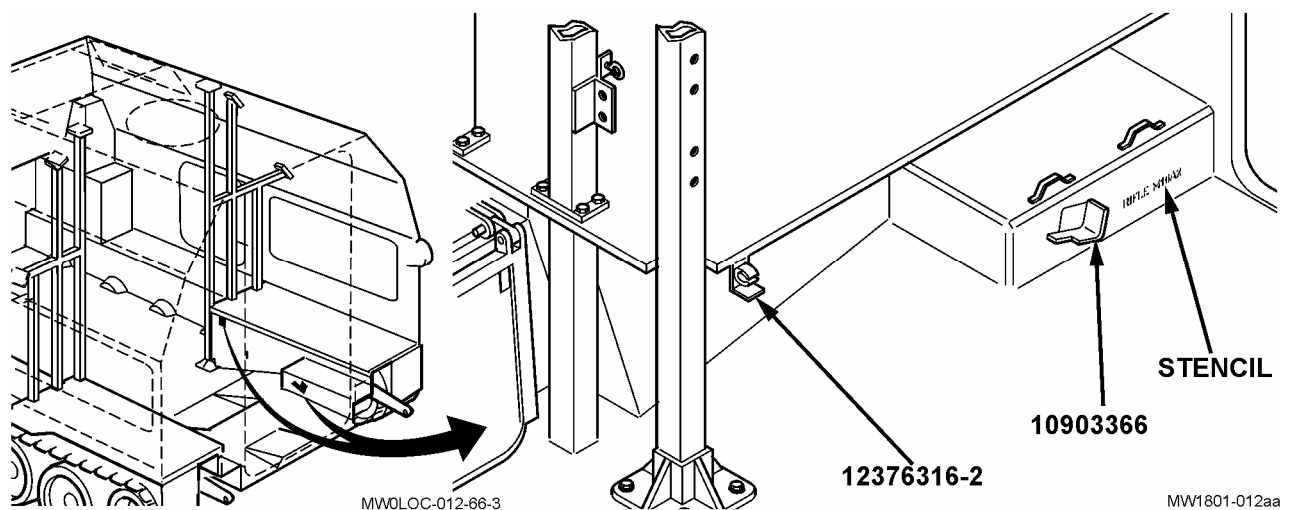
24. Remove bracket 12330101 from hull ceiling on vehicles S/N 1 through 675, as shown. Grind smooth to surface of hull ceiling.



VEHICLES S/N 1 THROUGH 675

25. Remove right rear rifle mount brackets 10903366 and 12376316-2 from hull floor and sponson on vehicles S/N 676 and above, as shown. Grind smooth to surface of floor and sponson.

26. Remove stencil RIFLE M16A2 from right rear hull floor sponson, as shown.



VEHICLES S/N 676 AND ABOVE

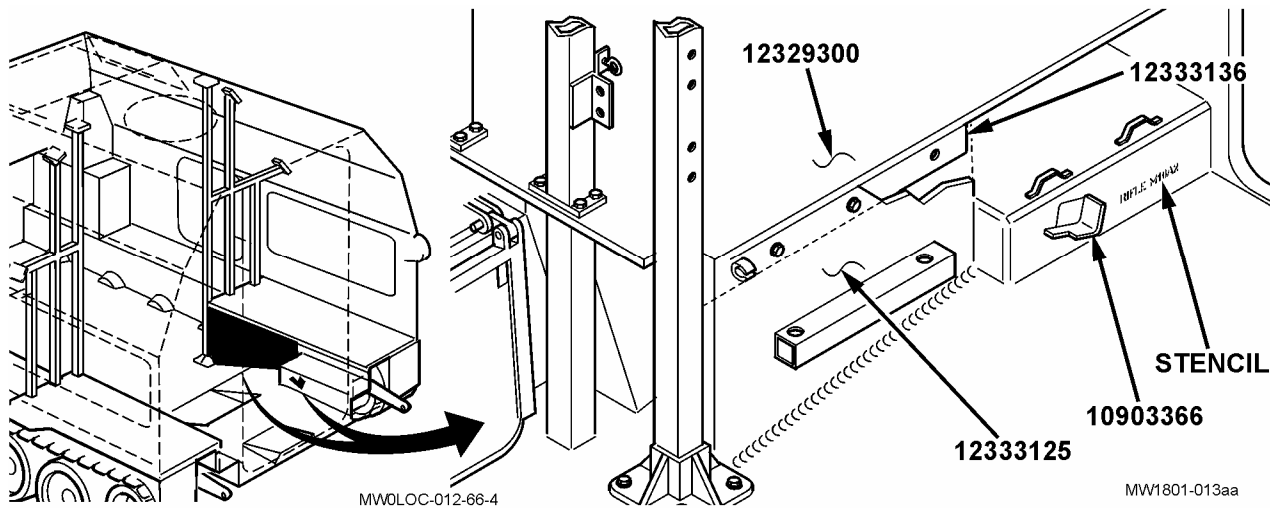
10. MODIFICATION PROCEDURES (continued).

d. Rework (continued).

27. Remove plate 12333125 and rifle mount bracket 10903366 from right rear hull floor sponson on vehicles S/N 1 through 675, as shown.

28. Remove angle bracket 12333136 from bottom right canister shelf 12329300 on vehicles S/N 1 through 675, as shown. Grind smooth to surface of bottom right canister shelf.

29. Remove stencil RIFLE M16A2 from right rear hull floor sponson, as shown.



VEHICLES S/N 1 THROUGH 675

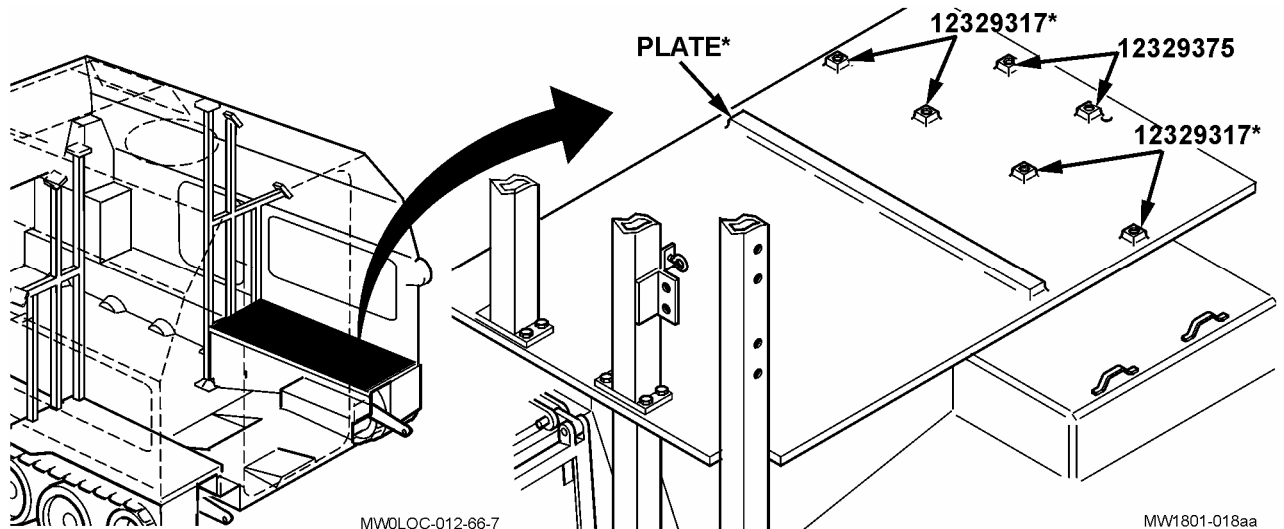
10. MODIFICATION PROCEDURES (continued).

d. Rework (continued).

NOTE

Ensure surface of right rear sponson is ground smooth and free from nicks, burrs, gouges, and other obstructions.

30. Remove two welded blocks 12329375 from right rear sponson, as shown. Grind smooth to surface of sponson.
31. Remove four pads 12329317 from right rear sponson on vehicles S/N 1 through 675, as shown with an asterisk (*). Grind smooth to surface of sponson.
32. Remove plate from right rear sponson on vehicles S/N 1 through 675, as shown with an asterisk (*). Grind smooth to surface of sponson.

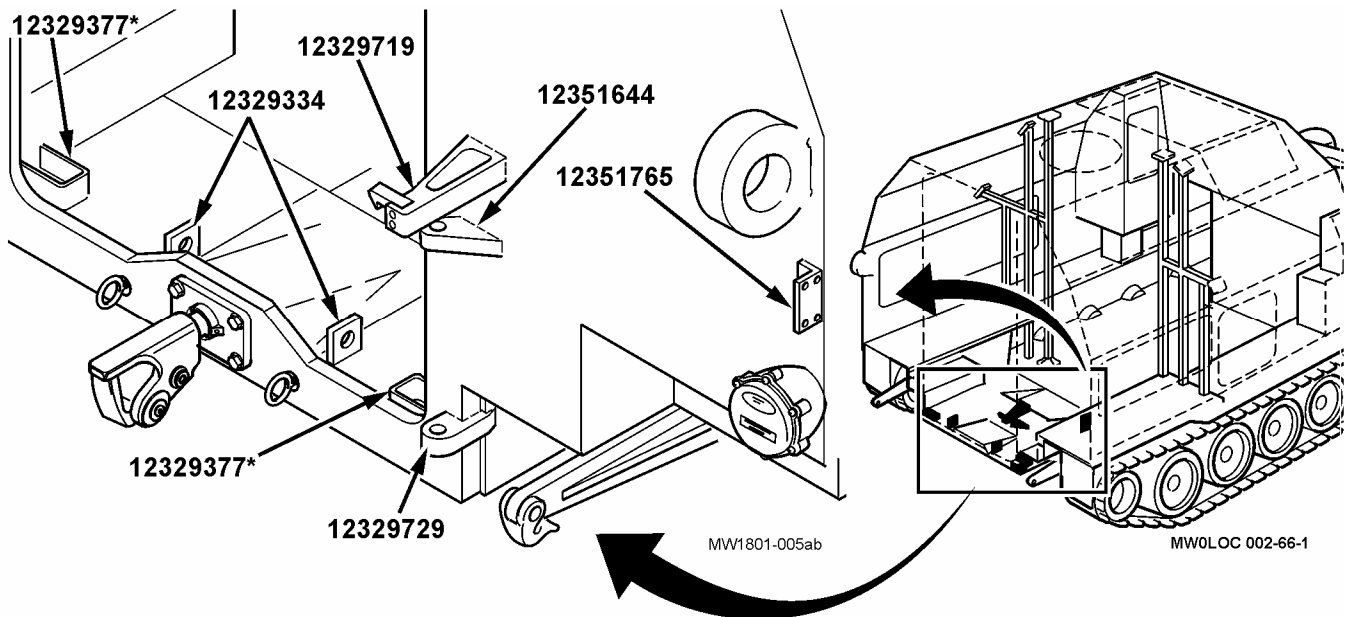


***VEHICLES S/N 1 THROUGH 675**

10. MODIFICATION PROCEDURES (continued).

d. Rework (continued).

- 33. Remove two conveyor spring mounting tabs 12329334 from hull floor, as shown. Grind smooth to surface of hull floor.
- 34. Remove two retainers 12329377 from hull floor on vehicles S/N 1 through 675, as shown with an asterisk (*). Grind smooth to surface of hull floor.
- 35. Remove lower rear door top hinge 12351644, lower rear door latch 12329719, and lower rear door bottom hinge 12329729 from exterior hull, as shown. Grind two hinges and latch smooth to surface of rear hull plate.
- 36. Remove block 12351765 from rear hull plate. Grind smooth to surface of rear hull plate.



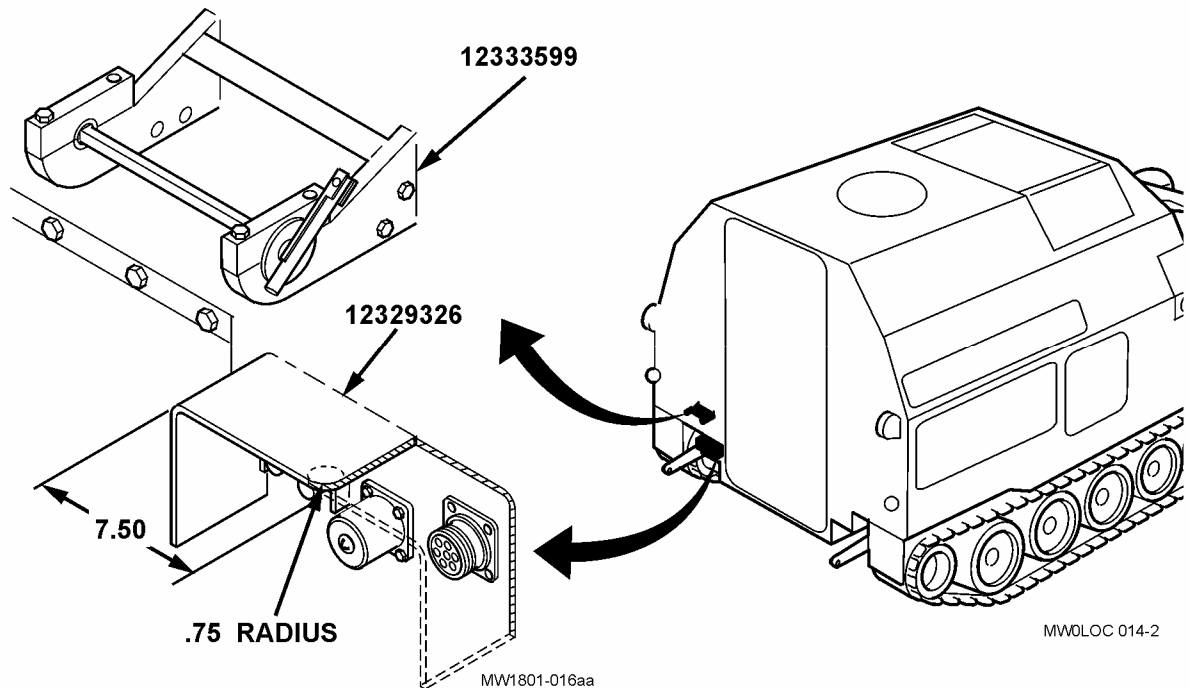
***VEHICLES S/N 1 THROUGH 675**

10. MODIFICATION PROCEDURES (continued).

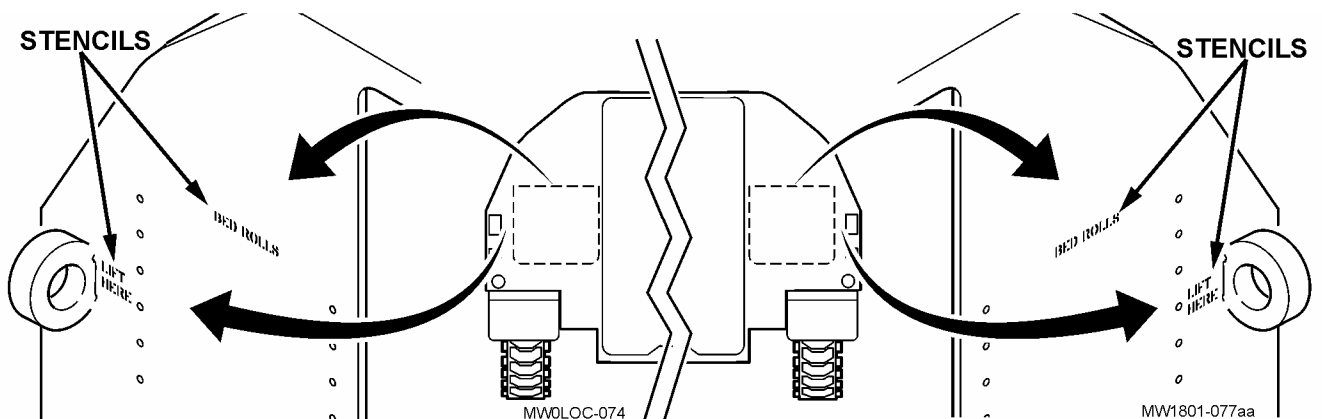
d. Rework (continued).

37. If telephone cable reel mount 12333599 is welded to rear hull plate, grind mount off smooth to surface of the rear hull plate.

38. Remove right portion of rear NATO slave/trailer receptacle guard 12329326, to dimensions shown. Grind portion of guard that was removed smooth to rear hull plate, as shown.



39. Remove stencils BEDROLLS and LIFT HERE on left rear of hull, as shown. Repeat for right side of hull on vehicles S/N 1 through 344.

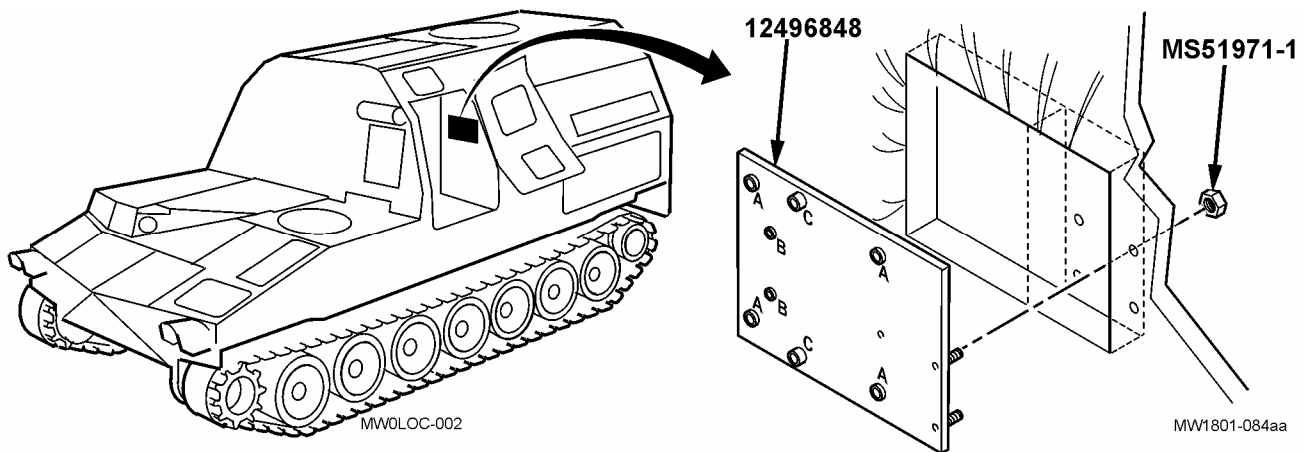


VEHICLES S/N 1 THROUGH 344

10. MODIFICATION PROCEDURES (continued).

d. Rework (continued).

40. Position junction box template 12496848 on APU compartment bulkhead, as shown.
41. Use a marker to trace the position of junction box template 12496848 on bulkhead insulation.
42. Remove junction box template 12496848 from APU compartment bulkhead. Cut away the insulation to allow the template to seat flush on the APU compartment bulkhead.
43. Install junction box template 12496848 on APU compartment bulkhead with three plain hexagon nuts MS51971-1 supplied with template.
44. Using a .312-inch drill bit, drill four holes through APU compartment bulkhead at hole positions marked A on junction box template 12496848.
45. Using a .250-inch drill bit, drill two pilot holes through APU compartment bulkhead at hole positions marked B on junction box template 12496848. Holes will be used as hole saw guides.
46. Using a .375-inch drill bit, drill two holes through APU compartment bulkhead at hole positions marked C on junction box template 12496848.
47. Remove three plain hexagon nuts MS51971-1 and junction box template 12496848 from APU compartment bulkhead. Ensure all burrs and sharp edges are removed.

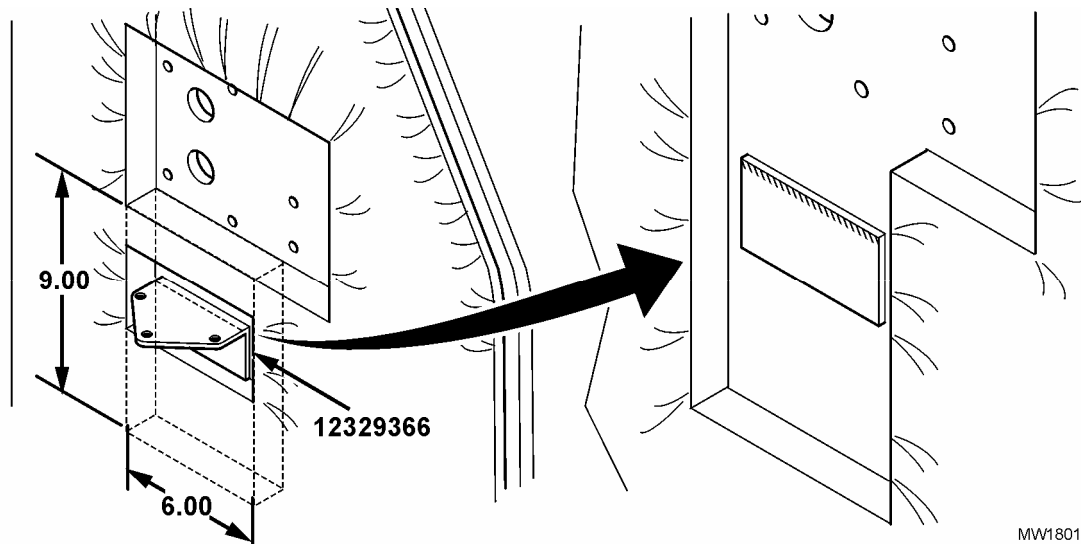


10. MODIFICATION PROCEDURES (continued).

d. Rework (continued).

48. Cut a 6 x 9 inch section of the APU compartment bulkhead insulation to expose mounting bracket 12329366, as shown.

49. Remove mounting bracket flange 12329366 from APU compartment bulkhead. Grind smooth to surface of APU compartment bulkhead.

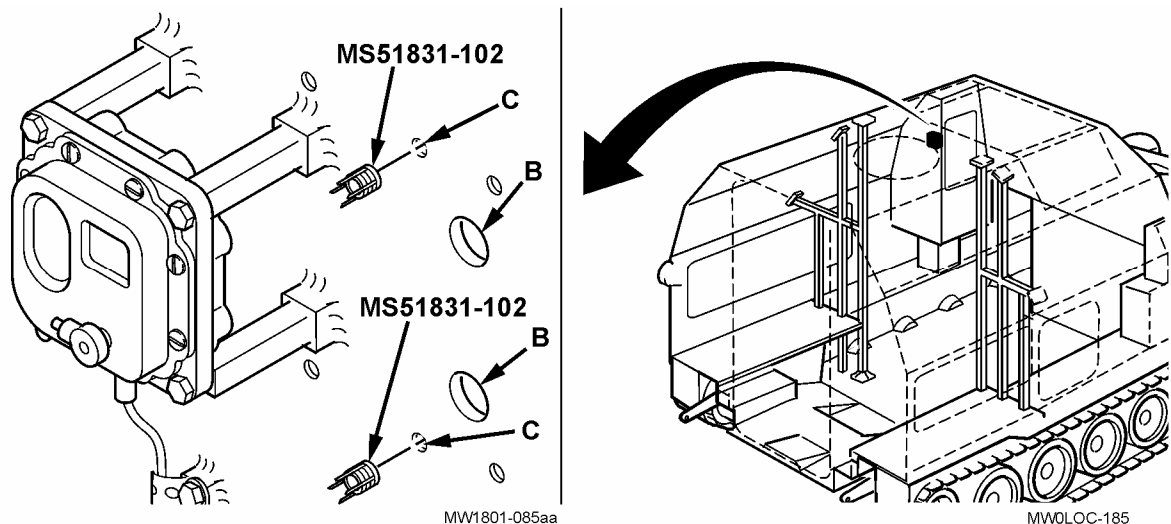


MW1801-100

50. Using a 1.5-inch hole saw, bore two holes through APU compartment bulkhead at hole position marked B using the .250-inch pilot holes as guides. Ensure all burrs and sharp edges are removed.

51. Using a .397-inch (X-size) drill bit, enlarge through holes in APU compartment position marked C. Ensure all burrs and sharp edges are removed.

52. Install two screw threaded inserts MS51831-102 (kit 57K3272) on crew side of the APU compartment bulkhead in positions marked C, in accordance with MS51835 (refer to TM 9-2350-293-34&P).



MW1801-085aa

MW0LOC-185

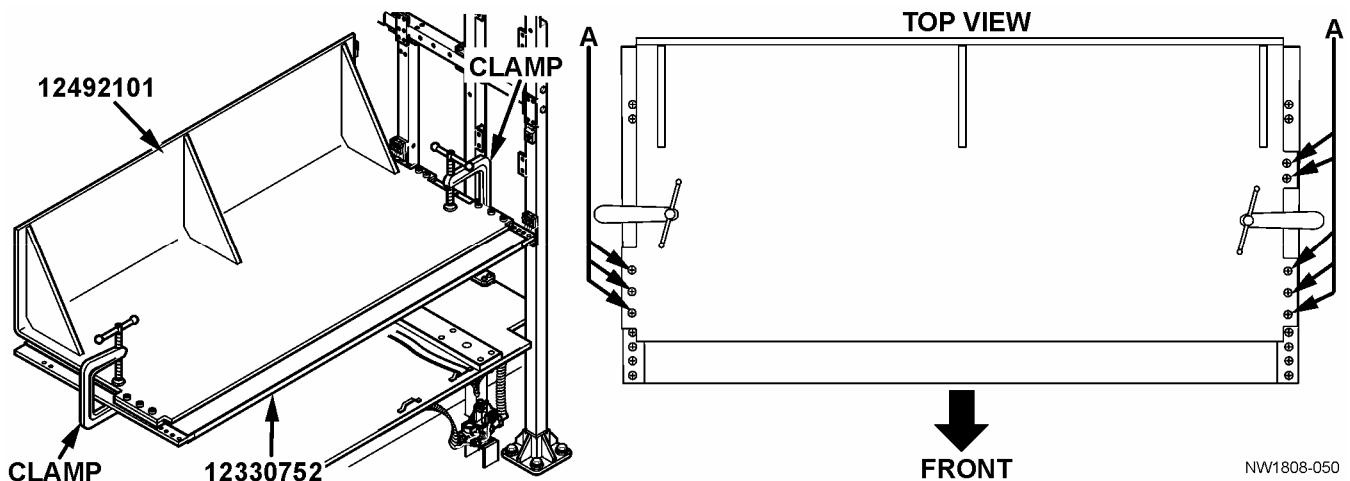
10. MODIFICATION PROCEDURES (continued).

d. Rework (continued).

53. Position 2X8 honeycomb template 12492101 on ammunition storage rack 12330752. Push template back against the rear wall and align with the width of ammunition storage rack 12330752. Clamp template in place, as shown.

54. Using a .250-inch drill bit, drill eight pilot holes on ammunition storage rack 12330752, marked A, as shown.

55. Remove clamps and 2X8 honeycomb template 12492101 from ammunition storage rack 12330752.



56. Remove ammunition storage rack 12330752 and isolator supports (TM 9-2350-293-20&P). Retain ammunition storage rack 12330752 for modification and reinstallation. Set isolator supports and remaining hardware aside for disposition.

10. MODIFICATION PROCEDURES (continued).

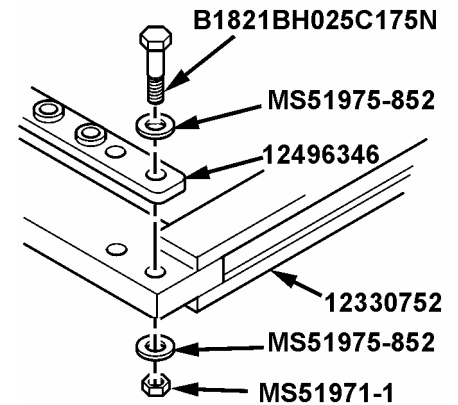
d. Rework (continued).

NOTE

All hardware used to mount isolator and shelf templates is provided with templates.

57. Place storage shelf 12330752 on work bench with bottom side facing upward.

58. Using four hexagon head capscrews B1821BH025C175N, eight flat washers MS15795-852, and four plain hexagon nuts MS51971-1, install shelf isolator mounting template 12496346 on left side of storage shelf 12330752, as shown. Ensure arrow points towards FRONT of shelf.



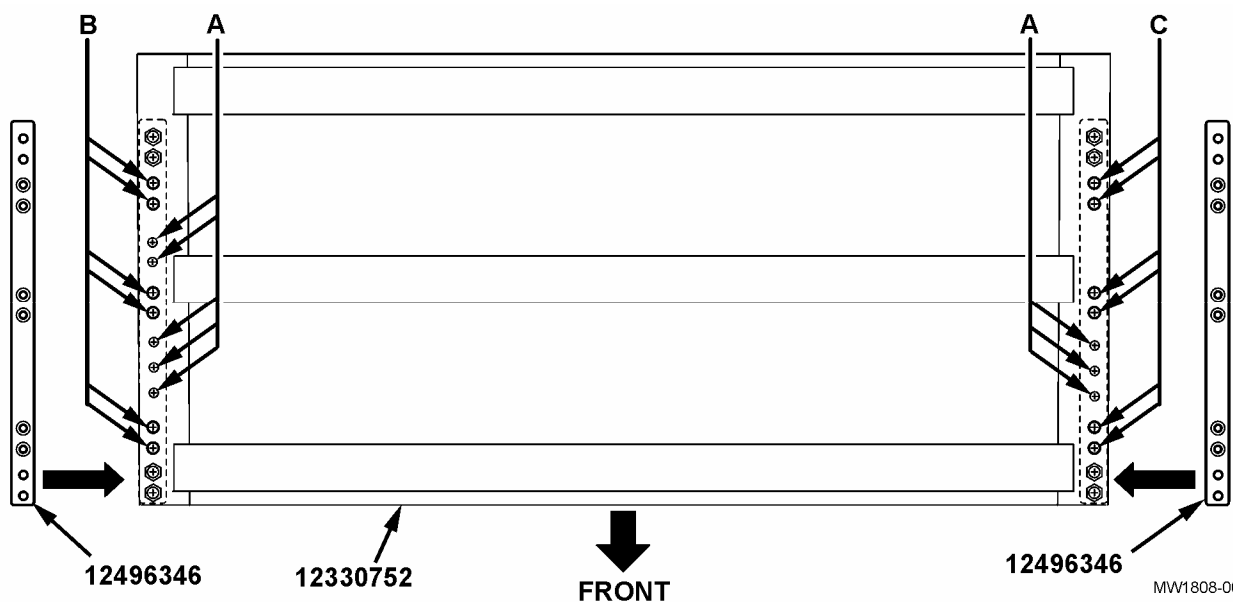
MW1808-073

59. Using a .250-inch drill bit, drill six pilot holes marked B on storage shelf 12330752, as shown. Remove shelf isolator mounting template 12496346, four hexagon head capscrews B1821BH025C175N, eight flat washers MS15795-852, and four plain hexagon nuts MS51971-1 from storage shelf 12330752.

60. Repeat steps 58 and 59 for right side storage shelf 12330752.

61. Using a .312-inch drill bit, enlarge six holes at locations marked B and six holes at locations marked C.

62. Using a .500-inch drill bit, enlarge eight holes in storage shelf 12330752 at locations marked A. Ensure all burrs and sharp edges are removed.



MW1808-009

10. MODIFICATION PROCEDURES (continued).

d. Rework (continued).

63. Install the left wall isolator mounting template 12492094 on hull in positions marked A, as shown using eight hexagon head capscrews B1821BH025C075N and eight flat washers MS15795-852.

NOTE

Use caution not to drill through hull.

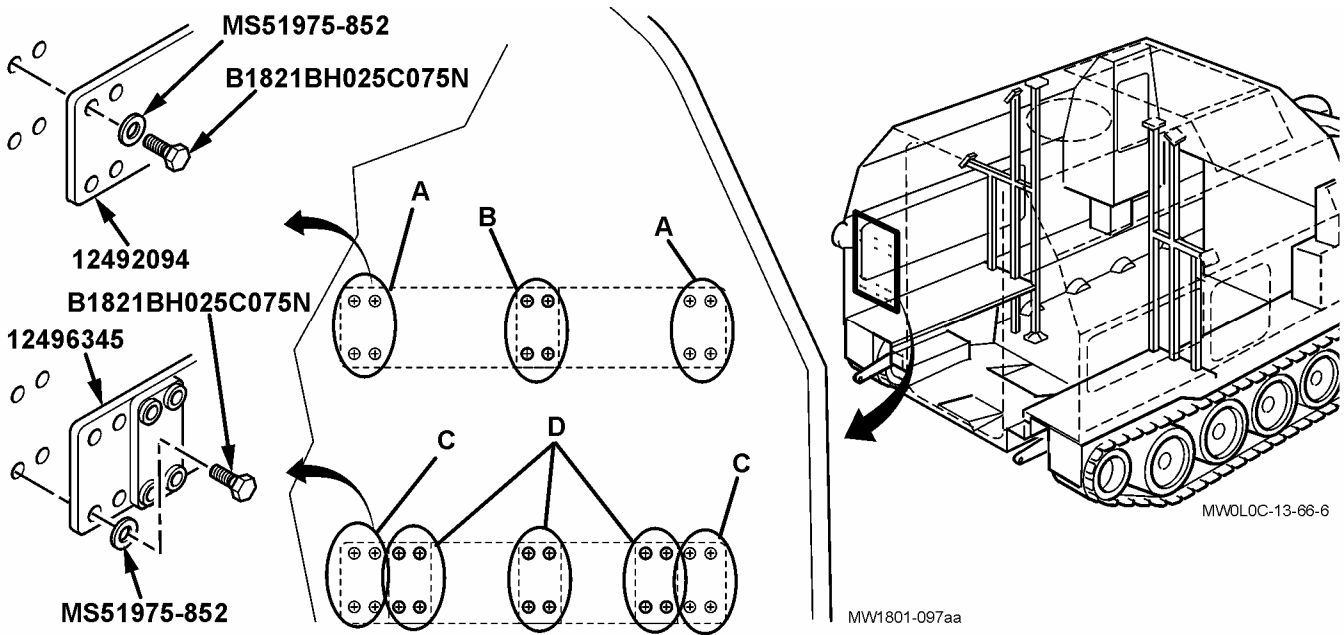
64. Using a .250-inch drill bit, drill four pilot holes marked B on hull, as shown.

65. Remove eight hexagon head capscrews B1821BH025C075N, eight flat washers MS15795-852, and the left wall isolator mounting template 12492094 from hull.

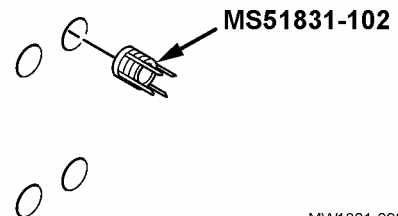
66. Install the lower shelf rear wall isolator template 12496345 on hull, as shown, using eight hexagon head capscrews B1821BH025C075N and eight flat washers MS15795-852, in position marked C, as shown.

67. Using a .250-inch drill bit, drill twelve pilot holes marked D on hull, as shown.

68. Remove eight hexagon head capscrews B1821BH025C075N, eight flat washers MS15795-852, and the lower rear wall isolator template 12496345 from hull.



69. Install sixteen inserts MS51831-102 (kit 57K3270) on hull plate in hole positions B and D in accordance with MS51835 (refer to TM 9-2350-293-34&P). Ensure all burrs and sharp edges are removed.

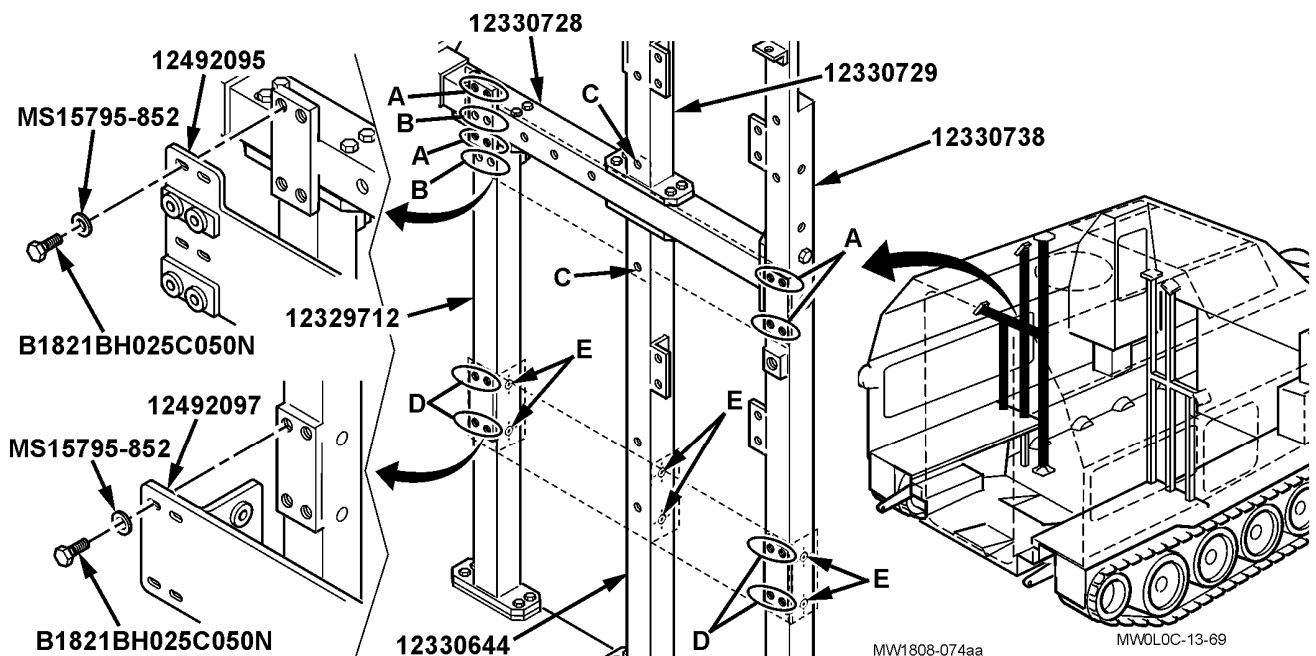


MW1801-098

10. MODIFICATION PROCEDURES (continued).

d. Rework (continued).

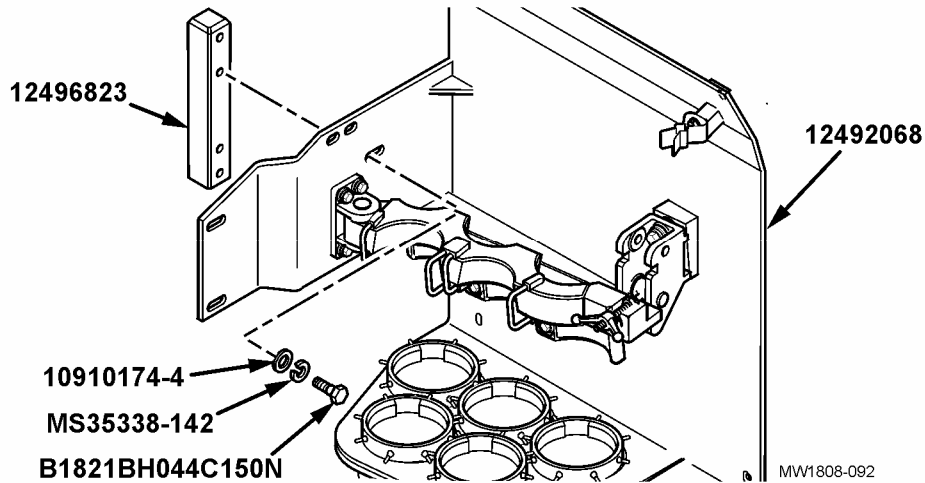
70. Using eight hexagon head capscrews B1821BH025C050N and eight flat washers MS15795-852, install middle shelf post isolator mounting template 12492095 on isolator position of stowage rack posts 12330728 and 12330738 marked A, as shown.
71. Using a .250-inch drill bit, drill six pilot holes marked B and C through stowage rack post 12330728, 12330729, and 12330644, as shown.
72. Remove eight hexagon head capscrews B1821BH025C050N, eight flat washers MS15795-852, and the middle shelf post isolator mounting template 12492095 from stowage rack posts 12330728 and 12330738.
73. Using eight hexagon head capscrews B1821BH025C050N and eight flat washers MS15795-852, install lower shelf post isolator mounting template 12492097 on isolator position of stowage rack posts 12329712 and 12330738 marked D, as shown.
74. Adjust flange of lower post isolator mounting template 12492097 so they are flush with posts then tighten thumb screws to fix in location.
75. Using a .250-inch drill bit, drill six pilot holes marked E through stowage rack post 12329712, 12330644, and 12330738, as shown.
76. Remove eight hexagon head capscrews B1821BH025C050N, eight flat washers MS15795-852, and the lower shelf post isolator mounting template 12492097 from stowage rack post.
77. Drill two .500-inch holes through stowage rack post 12330644 at holes marked C. Ensure all burrs and sharp edges are removed.
78. Drill four .312-inch holes through stowage rack post 12330728 and 12329712 at locations marked B. Ensure all burrs and sharp edges are removed.
79. Drill six .500-inch holes through stowage rack posts 12329712, 12330644, and 12330738 at locations marked E. Ensure all burrs and sharp edges are removed.



10. MODIFICATION PROCEDURES (continued).

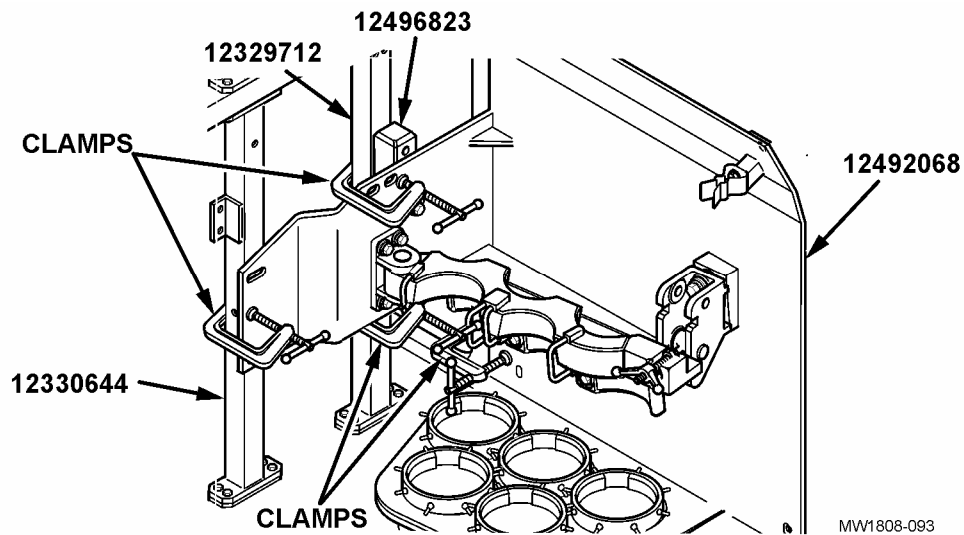
d. Rework (continued).

80. Install spacer 12496823 on vertical storage assembly 12492068 with two hexagon head capscrews B1821BH044C150N (kit 57K3270), lockwashers MS35338-142 (kit 57K3270), and flat washers 10910174-4 (kit 57K3270). Do not tighten hardware as spacer will be adjusted.



81. Position vertical storage assembly 12492068 on left front sponson and as flat and level against hull and posts as possible.

82. Align spacer 12496823 with structural section 12329712 and vertical storage assembly 12492068 with support compartment post 12330644 and clamp into position, as shown.

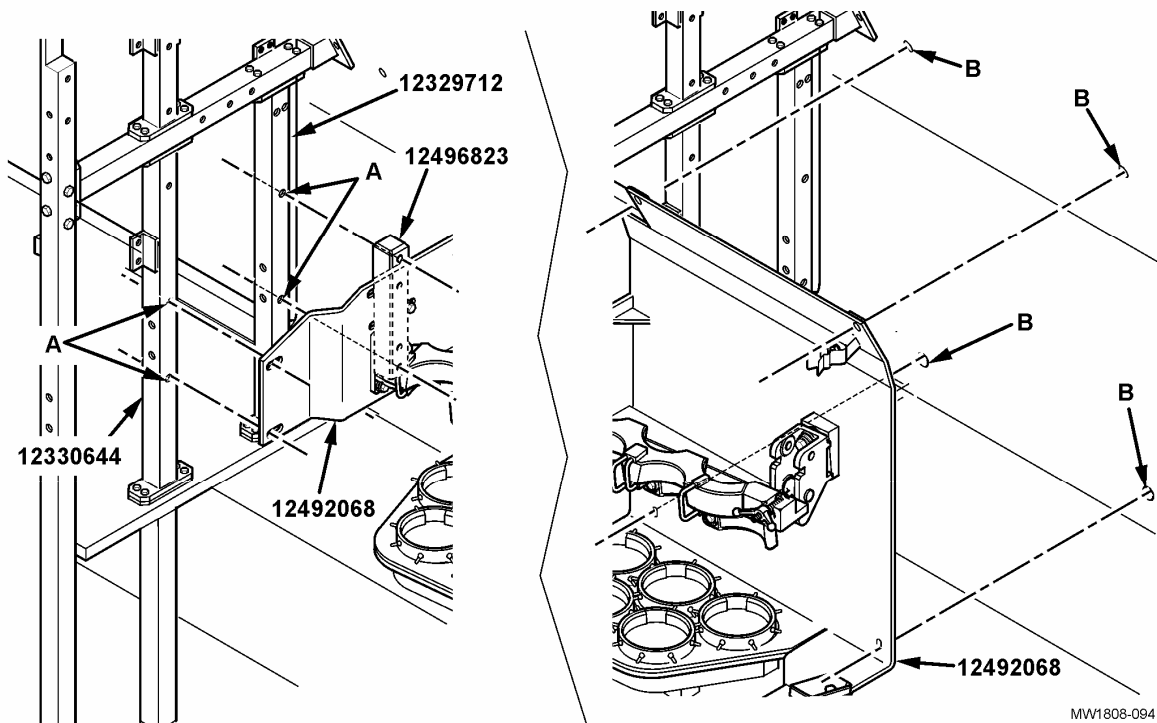


10. MODIFICATION PROCEDURES (continued).

d. Rework (continued).

83. Using vertical stowage assembly 12492068 and spacer 12496823 as a template, locate four hole positions on support compartment post 12330644 and structural section 12329712, marked A, and four hole positions on hull, marked B, as shown.

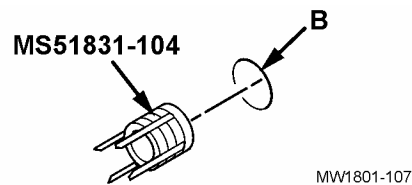
84. Remove clamps and vertical stowage assembly 12492068, with spacer 12496823, from left front sponson.



85. Drill eight .250-inch pilot holes marked A and B, as shown.

86. Drill four .500-inch holes marked A as shown. Ensure all burrs and sharp edges are removed.

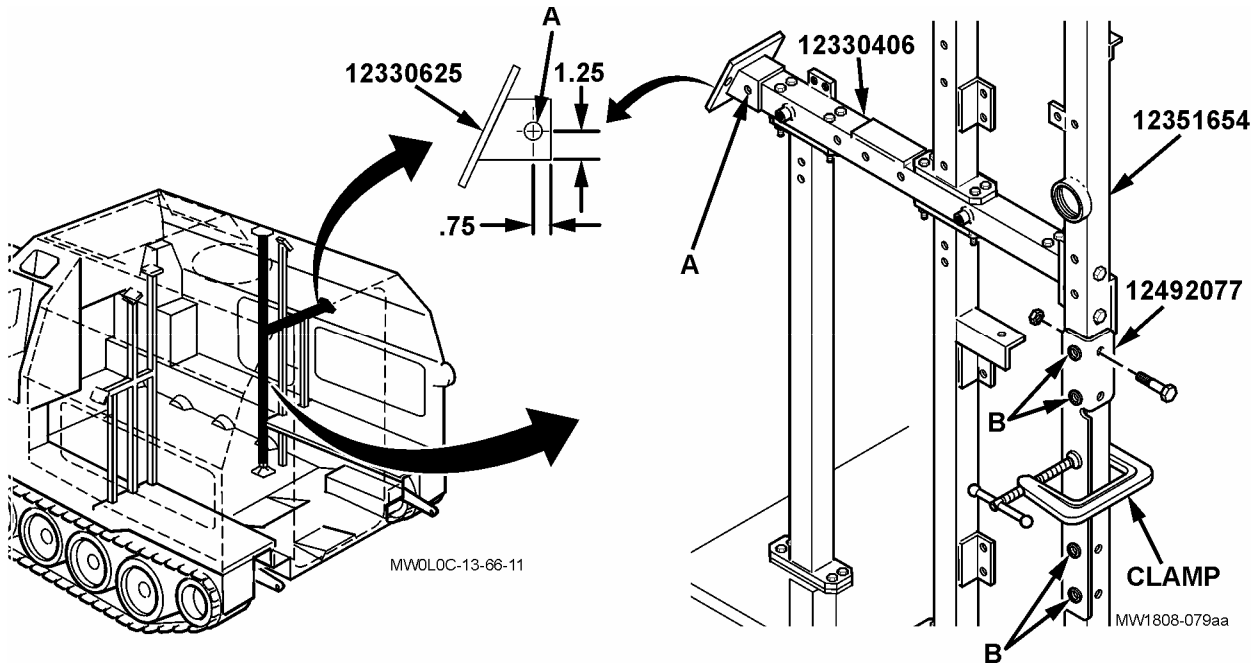
87. Install four inserts MS51831-104 (kit 57K3270) on hull in hole positions marked B in accordance with MS51835 (refer to TM 9-2350-293-34&P). Ensure all burrs and sharp edges are removed.



10. MODIFICATION PROCEDURES (continued).

d. Rework (continued).

88. Locate hole position on nonrotating eye bracket 12330625, marked A, as shown. Drill a .438-inch hole through nonrotating eye bracket 12330625 and support 12330406, as shown. Ensure all burrs and sharp edges are removed.
89. Mount folding step mounting bracket template 12492077 to structural section 12351654 as shown using two hexagon head capscrews and nut previously removed.
90. Clamp folding step mounting bracket template 12492077 to structural section 12351654, as shown.
91. Drill four .359-inch holes through structural section 12351654 at positions marked B making sure to keep holes level through tube.
92. Remove clamp, folding step mounting bracket template 12492077, and mounting hardware. Ensure all burrs and sharp edges are removed.



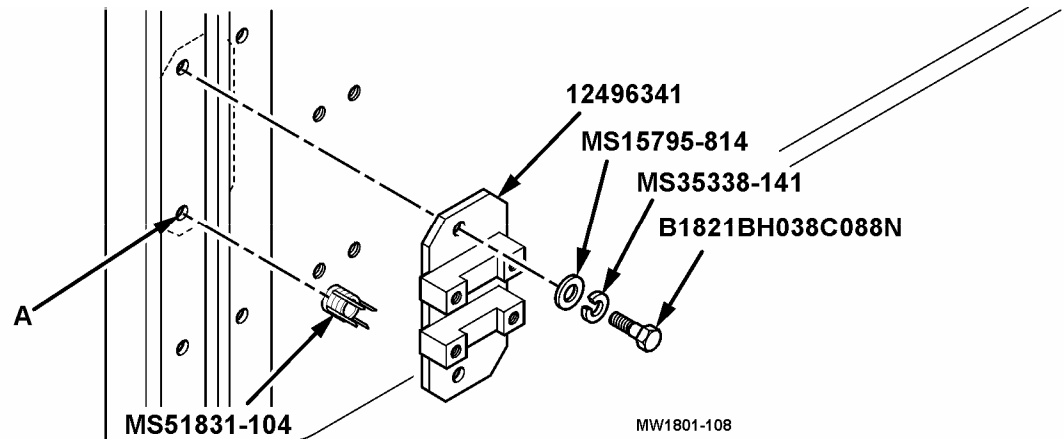
10. MODIFICATION PROCEDURES (continued).

d. Rework (continued).

NOTE

Perform steps 93 through 96 for vehicles S/N 1 through 33.

93. Position latch mounting plate 12496341 (kit 57K3270) on hull adjacent to personnel door opening using hexagon head capscrew B1821BH038C088N (kit 57K3270), lockwasher MS35338-141 (kit 57K3270), and flat washer MS15795-814 (kit 57K3270), as shown.
94. Using latch mounting plate 12496341 as a template, locate hole position marked A, on hull. Ensure edge of latch mounting plate is parallel to door opening.
95. Remove latch mounting plate, hexagon head capscrew, lockwasher, and flat washer and set aside for reinstallation.
96. Install threaded screw insert MS51831-104 (kit 57K3270) on the hull at position marked A in accordance with MS51835 (refer to TM 9-2350-293-34&P). Ensure all burrs and sharp edges are removed.

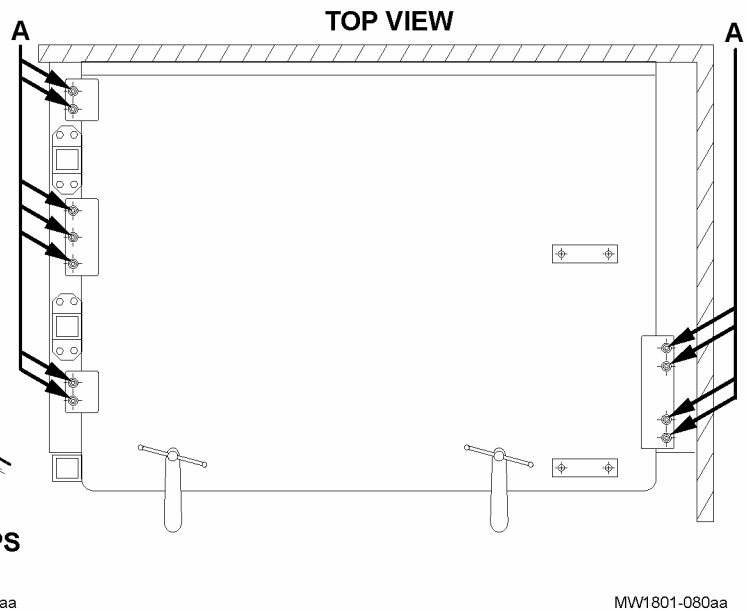
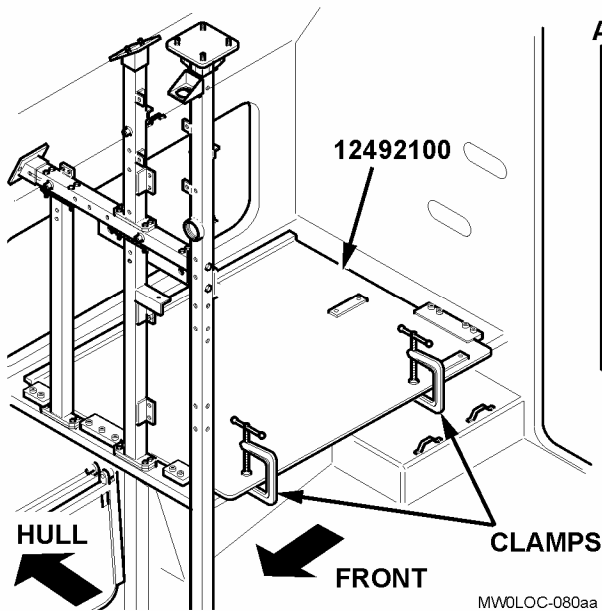


VEHICLES S/N 1 THROUGH 33

10. MODIFICATION PROCEDURES (continued).

d. Rework (continued).

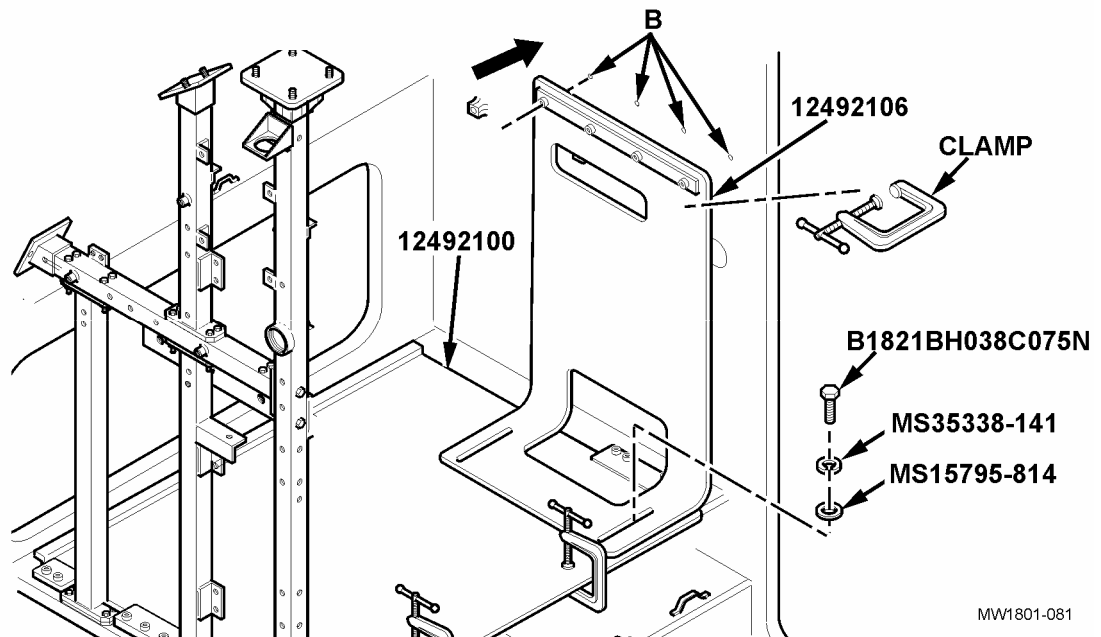
97. Position 4X6 honeycomb shelf template 12492100 against the rear hull wall and to the left against the stowage rack post, as shown. Clamp template in place.
98. Using a .250-inch drill bit, drill eleven pilot hole positions on sponson marked A, as shown.
99. Remove clamp from template. Ensure template does not move.



10. MODIFICATION PROCEDURES (continued).

d. Rework (continued).

100. Install 4X6 honeycomb wall template 12492106 on 4X6 honeycomb shelf template 12492100 with four hexagon head capscrews B1821BH038C075N, lockwashers MS35338-141, and flat washers MS15795-814 provided with template.
101. Clamp 4X6 honeycomb template 12492106 to hull.
102. Using a .250-inch drill bit, drill four pilot holes on hull plate marked B, as shown. Ensure all burrs and sharp edges are removed.

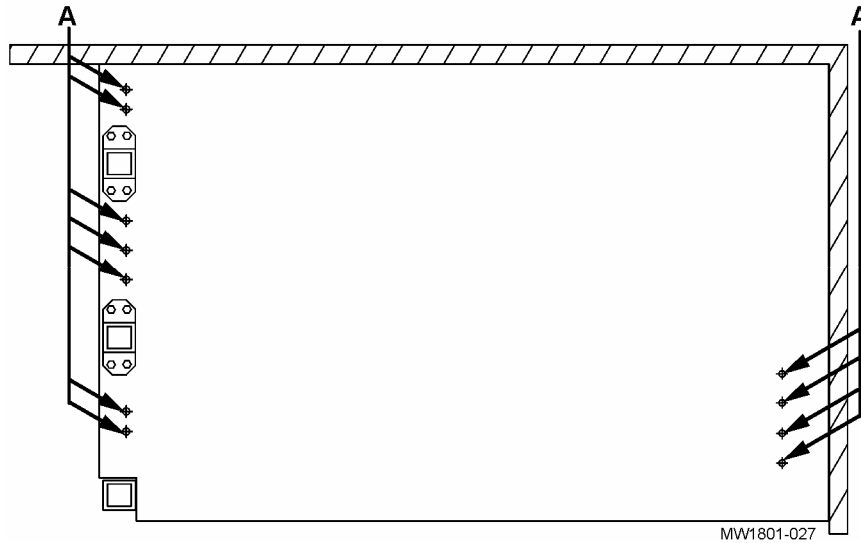


MW1801-081

10. MODIFICATION PROCEDURES (continued).

d. Rework (continued).

103. Remove four hexagon head capscrews, lockwashers, flat washers, clamp, and 4X6 honeycomb template 12492106 from template 12492100.
104. Remove clamps and template 12492100 from sponson.
105. Install four threaded inserts MS51831-104 (kit 57K3270) in four holes drilled on hull plate in accordance with MS51835 (refer to TM 9-2350-293-34&P). Ensure all burrs and sharp edges are removed.
106. Drill eleven .500-inch holes marked A through sponson, as shown. Ensure all burrs and sharp edges are removed.



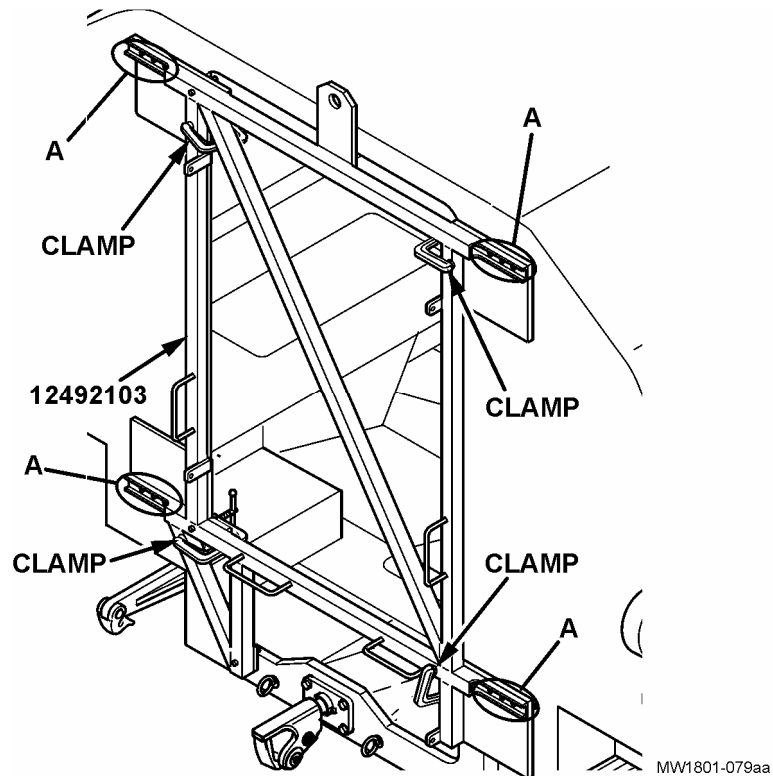
10. MODIFICATION PROCEDURES (continued).

d. Rework (continued).

NOTE

The three alignment pins of the door mounting template must make contact with the left side and bottom of rear hull door opening.

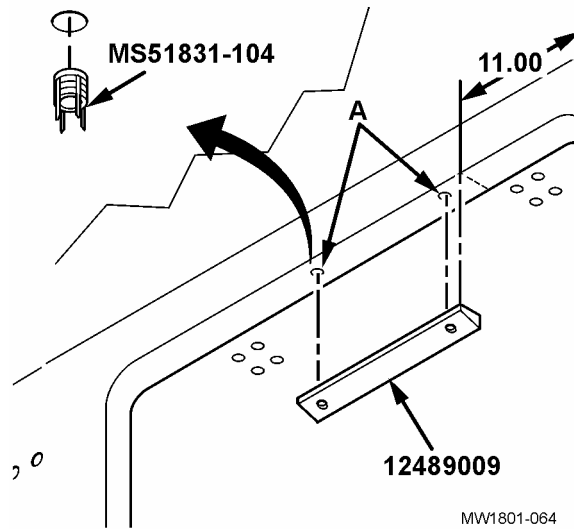
107. Raise rear door mounting template 12492103 and position on hull, as shown. Use clamps to hold in place.
108. Using magnetic drill and 20-mm carbide bit, drill twelve .781-inch holes through hull plate at positions marked A, as shown. Ensure all burrs and sharp edges are removed.
109. Remove magnetic drill and rear door mounting template 12492103 from hull. Ensure all burrs and sharp edges are removed.



10. MODIFICATION PROCEDURES (continued).

d. Rework (continued).

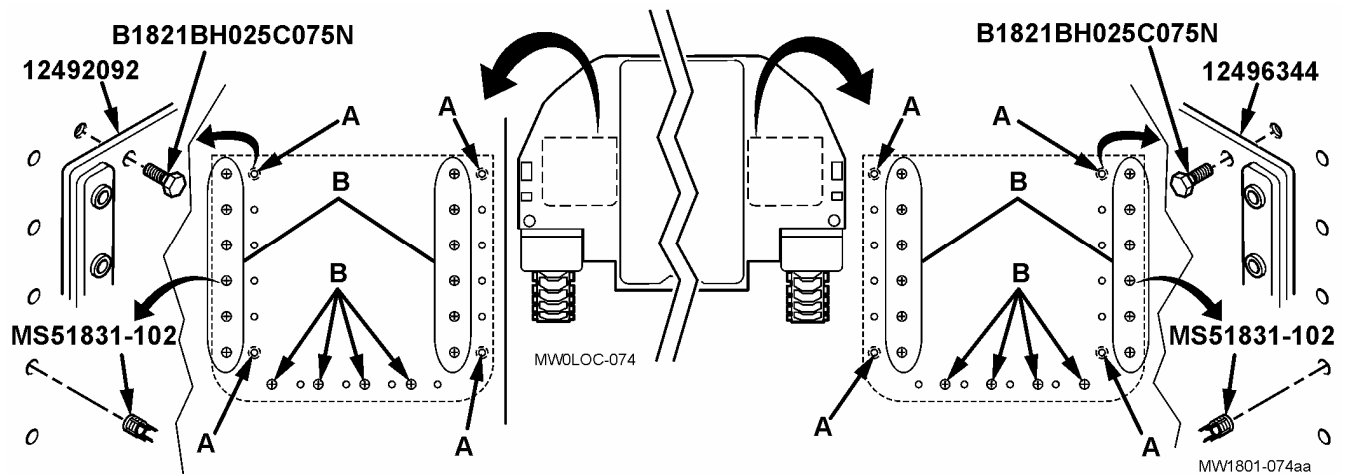
110. Position the upper rear door striker 12489009 (kit 57K3270) flush with exterior of hull, as shown. Using the upper rear door striker 12489009 as a template, locate and mark two hole positions marked A on the hull.
111. Install two threaded screw inserts MS51831-104 (kit 57K3270) into the hull in accordance with MS51835 (refer to TM 9-2350-293-34&P). Ensure all burrs and sharp edges are removed.



10. MODIFICATION PROCEDURES (continued).

d. Rework (continued).

112. Position left rear stowage bracket mounting template 12492092 on hull over existing screw holes, marked A, as shown. Install template 12492092, using any matched screw hole position marked A, with capscrews B1821BH025C075N retained from disassembly.
113. Using a .250-inch drill, drill sixteen pilot hole positions marked B, as shown.
114. Remove capscrews B1821BH025C075N and bracket mounting template 12492092 from hull plate. Set capscrews aside for disposition.
115. Install sixteen inserts MS51831-102 (kit 57K3270) on hull plate in hole positions marked B in accordance with MS51835 (refer to TM 9-2350-293-34&P). Ensure all burrs and sharp edges are removed.
116. Repeat steps 112 through 115 for installation of threaded screw inserts on right side for vehicles S/N 1 through 344, using the right rear stowage bracket template 12496344.

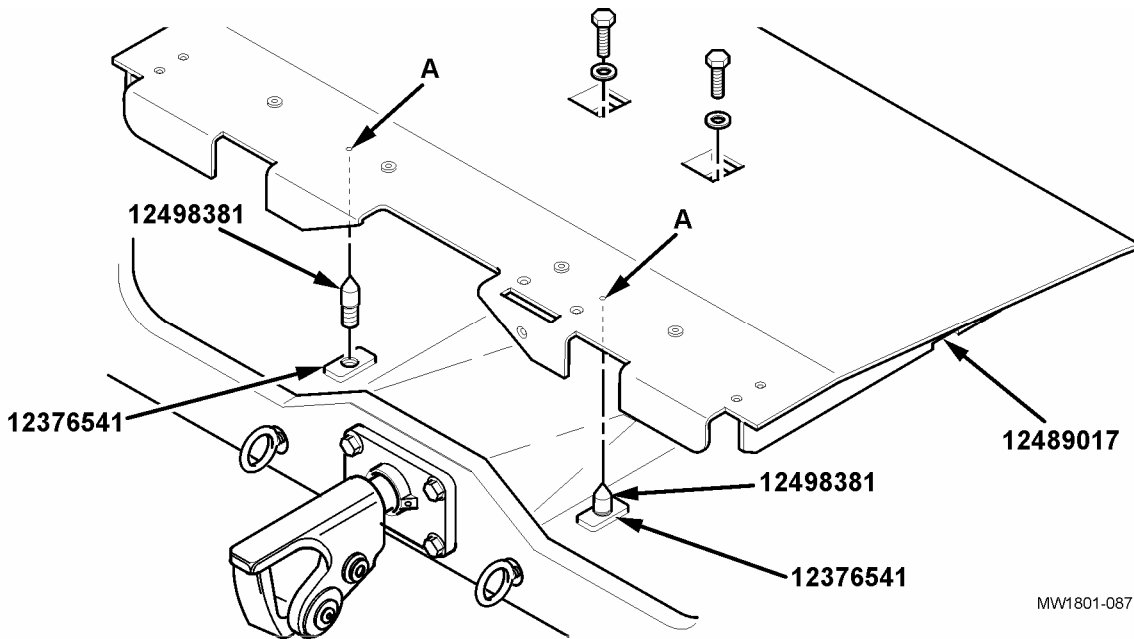


VEHICLES S/N 1 THROUGH 344

10. MODIFICATION PROCEDURES (continued).

d. Rework (continued).

117. Install two locating screws 12498381 (Table 9-5) on floor plates 12376541. The height of the locating screw should extend 2.50 in. (63.50 mm) from hull floor.
118. Install rear floor plate 12489017 (kit 57K3270) on hull floor with flat washers and hexagon head capscrews previously removed. Ensure that the rear floor plate 12489017 is flush against the outside rear hull surfaces.
119. Tap area over locating screws to locate points A on rear floor plate 12489017, as shown. Remove locating screws, flat washers, hexagon head capscrews, and rear floor plate 12489017 from hull floor. Retain floor plate and locating screws. Set flat washer and hexagon head capscrews aside for disposition.
120. Drill .250-inch diameter pilot holes at points marked A, as shown.



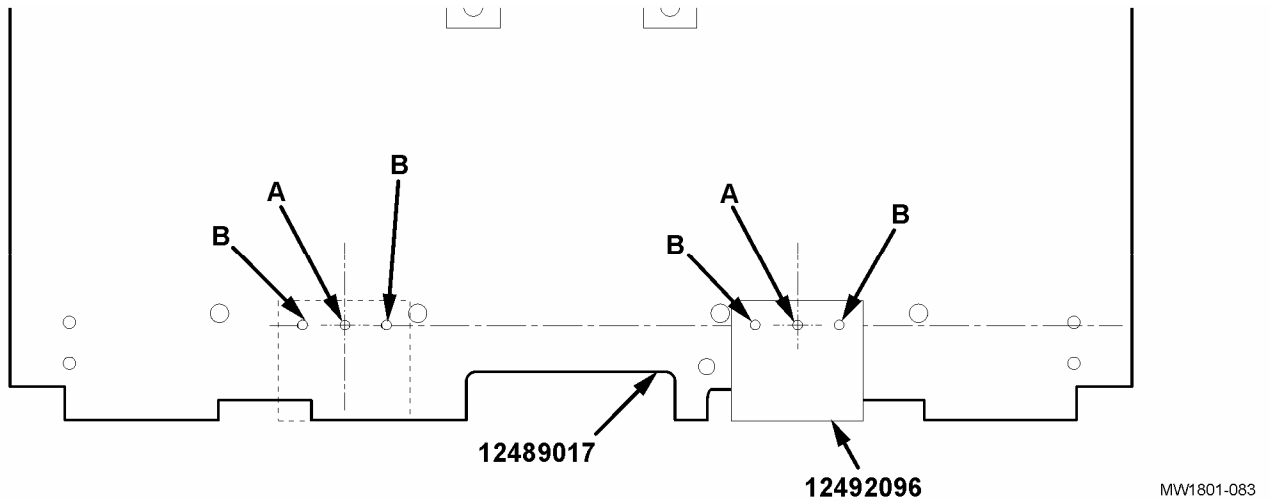
MW1801-087

10. MODIFICATION PROCEDURES (continued).

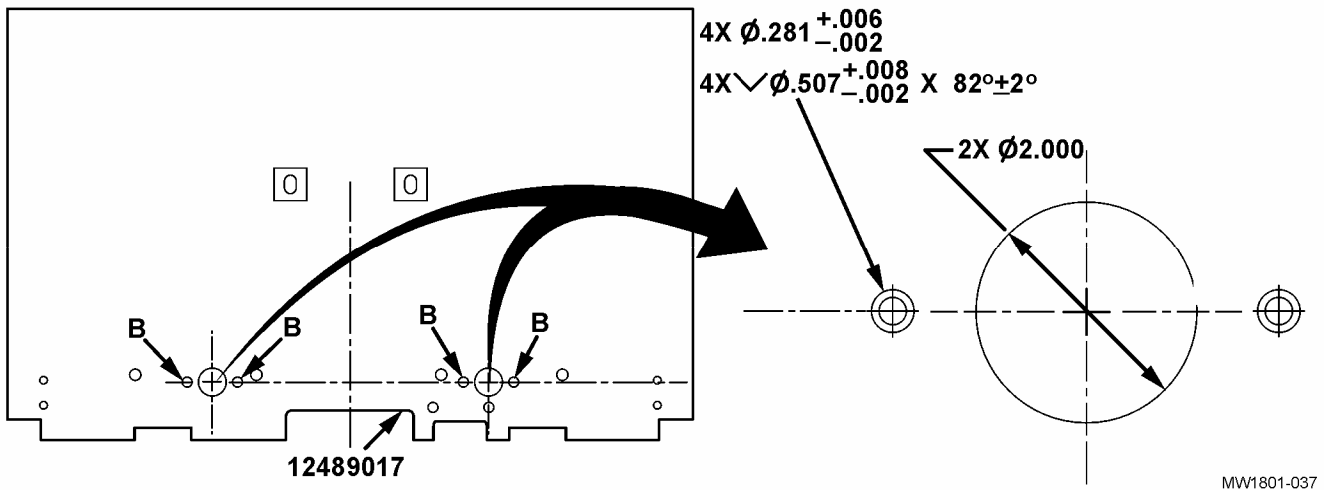
d. Rework (continued).

121. Using hole locating template 12492096, locate and mark hole positions marked B on rear floor plate 12489017. Ensure that the center hole of locating template 12492096 coincides with the .250-inch diameter pilot holes marked A, as shown.

122. Using hole saw, cut two 2-inch diameter openings in floor plate 12489017 at locations marked A, as shown. Ensure no burrs or sharp edges remain.



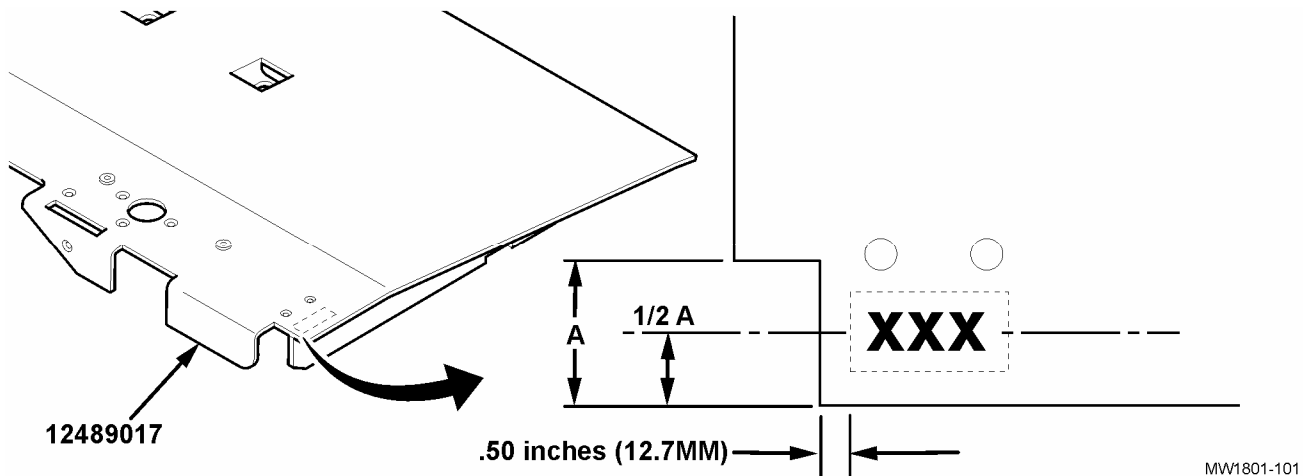
123. Drill and counter sink four holes in floor plate 12489017 in hole position marked B, as shown.



10. MODIFICATION PROCEDURES (continued).

d. Rework (continued).

124. Using the metal stamp kit, apply the vehicle serial number to the left gusset of the rear floor plate 12489017, as shown.



e. Cleaning.

WARNING

Solvent cleaning compound is an environmentally compliant product and is low in toxicity. However, it may be irritating to the eyes and skin due to its base stock. The use of protective gloves and goggles is required. Use the cleaning compound in well-ventilated areas and keep away from open flames and other sources of ignition.

WARNING

Compressed air used for cleaning or drying purposes or for cleaning out restrictions, should never exceed 30 psi (207 kPa). To avoid injury, wear protective clothing (e.g., goggles/shield, gloves) and exercise caution.

1. Vehicle interior should be clean and free from dust, dirt, contaminants and debris.
2. Remove four hexagon head capscrews B1821BH025C063N and two wiring harness guards from left front sponson (TM 9-2350-293-20&P). Set wiring harness guard BML62156 and capscrews aside for disposition. Retain wiring harness guard 12333557 for reinstallation.
3. Remove fatigue mats from hull floor (TM 9-2350-293-20&P). Set fatigue mats aside for disposition.
4. Remove four hexagon head capscrews B1821BH025C063N and APU access panel from APU compartment. Retain APU access panel for reinstallation. Set hardware aside for disposition.

10. MODIFICATION PROCEDURES (continued).

f. Painting.

WARNING

Unusable Chemical Agent Resistant Coating (CARC) mixtures are considered hazardous waste and will require disposal in accordance with Federal, state, Department of Defense, Department of the Army, and local installation hazardous waste regulations. Consult the installation environmental office for proper disposal guidance. Mixed CARC is extremely flammable. Use only in well-ventilated areas. Keep away from open flames, sparks, and other ignition sources.

CARC paint contains isocyanate (HDI), which is highly irritating to skin and respiratory system. High concentrations of HDI can produce symptoms of itching and reddening of skin, a burning sensation in throat and nose, and watering of the eyes. In extreme concentrations, HDI can cause cough, shortness of breath, pain during respiration, increased sputum production, and chest tightness. The following precautions must be taken whenever using CARC paint:

- **ALWAYS use air-line respirators when using CARC paint unless air sampling shows exposure to be below standards. Use chemical cartridge respirator if air sampling is below standards.**
- **DO NOT let skin or eyes come in contact with CARC paint. Always wear protective equipment (gloves, ventilation mask, safety goggles, and so on).**
- **DO NOT use CARC paint without adequate ventilation.**
- **NEVER cut CARC-coated materials without high-efficiency, air-purifying respirators in use.**
- **DO NOT grind or sand painted equipment without high-efficiency, air-purifying respirators in use.**
- **BE AWARE of CARC paint exposure symptoms; symptoms can occur a few days after initial exposure. Seek medical help immediately if symptoms are detected.**

NOTE

All exposed metal surfaces must be properly cleaned, pretreated, primed, and painted to prevent rust and corrosion.

1. Aluminum

- (a) All exposed surfaces shall be cleaned by chemical, electrochemical, or mechanical methods in accordance with TT-C-490.
- (b) Pretreat surfaces as soon as possible after cleaning by spray, brush or immersion methods using a Class 1A chemical conversion coating in accordance with MIL-C-5541.
- (c) Primer shall sprayed or brushed to properly pretreated surfaces in accordance with MIL-P-53022, MIL-P-53030, or MIL-P-53084. Primer coatings per MIL-P-53084 shall be applied as instructed by the coating supplier, and dry film thickness shall be 0.8–1.5 mils.

10. MODIFICATION PROCEDURES (continued).

f. Painting (continued).

1. Aluminum (continued)

(d) The CARC topcoat system shall be applied in accordance with MIL-C-53072, except where a primer coating per MIL-P-53084 is applied. Exterior coatings shall be applied per MIL-C-46168 or MIL-C-53039, color green, chip number 34094, or desert tan, chip number 686, per FED-STD-595. Interior surfaces shall be applied per MIL-C-22750, color gloss white, chip number 17925, per FED-STD-595.

2. Steel.

(a) All exposed surfaces shall be cleaned by chemical or mechanical methods in accordance with TT-C-490.

(b) Pretreat surfaces as soon as possible after cleaning by spray, brush or immersion methods using a Type I or Type II coating per TT-C-490.

(c) Primer shall be applied to properly pretreated surfaces in accordance with MIL-P-53022, MIL-P-53030, or MIL-P-53084. Primer coatings per MIL-P-53084 shall be applied as instructed by the coating supplier, and dry film thickness shall be 0.8–1.5 mils.

(d) The CARC topcoat system shall be applied in accordance with MIL-C-53072, except where a primer coating per MIL-P-53084 is applied. Exterior coatings shall be applied per MIL-C-46168 or MIL-C-53039, color green, chip number 34094, or desert tan, chip number 686, per FED-STD-595. Interior surfaces shall be applied per MIL-C-22750, color gloss white, chip number 17925, per FED-STD-595.

10. MODIFICATION PROCEDURES (continued).

g. Installation.

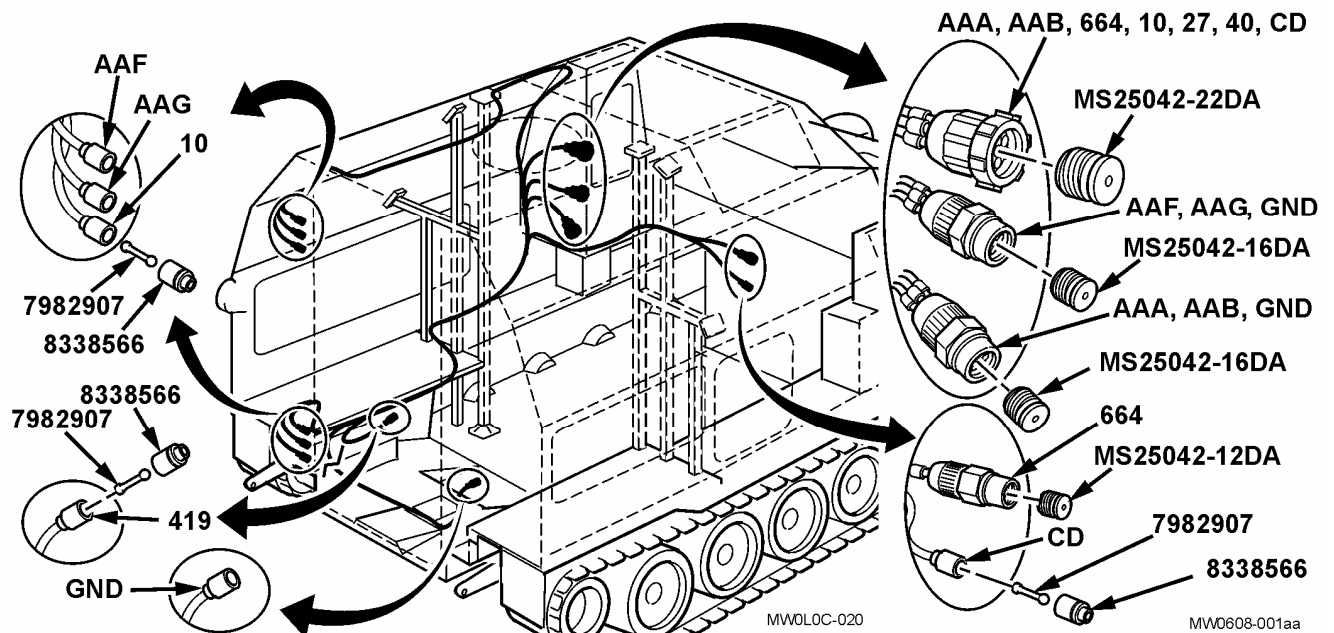
CAUTION

All exposed connections found on wiring harness 12330252-2 must be capped or plugged to avoid contamination or short circuits.

NOTE

The instructions in this section are to be used in conjunction with the installation procedures of the MWO Supplement.

1. Locate connector of leads AAA, AAB, 664, 10, 27, 40, and CD; connector of leads AAF, AAG, and GND; and connector of leads AAA, AAB, and GND located at front left side of crew compartment, as shown. Install electrical connector cover MS25042-22DA (kit 57K3272) on connector of leads AAA, AAB, 664, 10, 27, 40, and CD. Install electrical connector cover MS25042-16DA (kit 57K3272) on connector of leads AAF, AAG, and GND and connector of leads AAA, AAB, and GND.
2. Locate connector of lead 664 and connector of lead CD at front bulkhead of crew compartment, as shown. Install electrical connector cover MS25042-12DA (kit 57K3272) on connector of lead 664. Install dummy plug 7982907 (kit 57K3272) and shell 8338566 (kit 57K3272) on connector of lead CD.
3. Locate lead GND for conveyor control switch located at rear of crew compartment. Cut lead one inch from wiring harness 12330252-2. Coat excess with sealing compound PR-1201 RLS MEDIUM.
4. Locate connector of lead 419 located under left rear sponson. Install dummy plug 7982907 (kit 57K3272) and shell 8338566 (kit 57K3272) on lead 419.
5. Locate connectors of leads AAF, 10, and AAG for upper and lower ballistic rear door switches located at rear of crew compartment. Install dummy plug 7982907 (kit 57K3272) and shell 8338566 (kit 57K3272) on both leads 10. Cut plugs of leads AAF and AAG. Coat excess with sealing compound P2-1201 RLS MEDIUM.



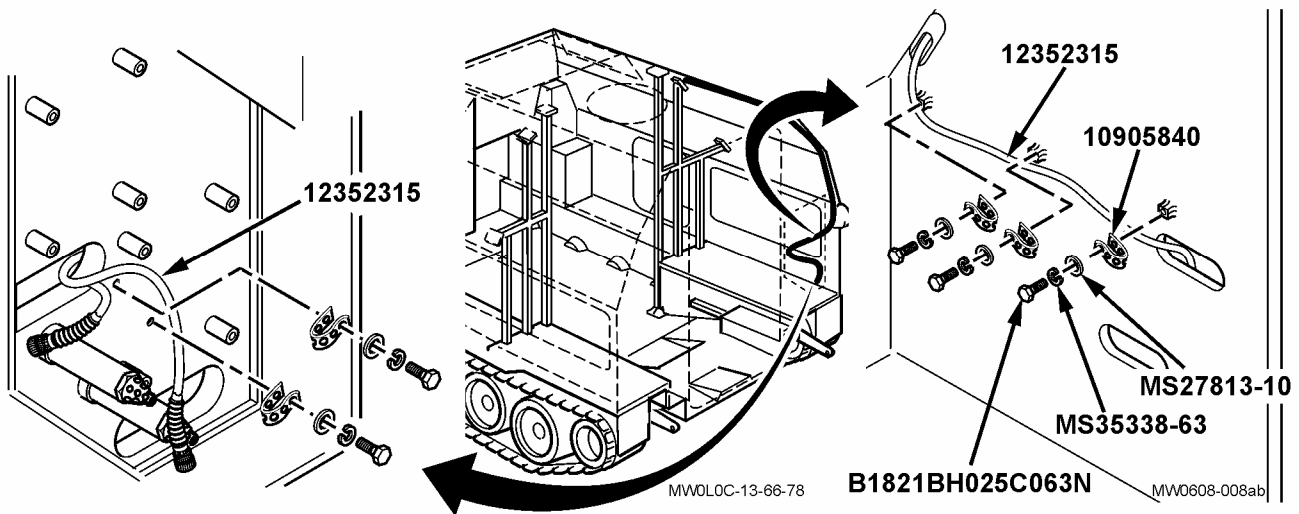
10. MODIFICATION PROCEDURES (continued).

g. Installation (continued).

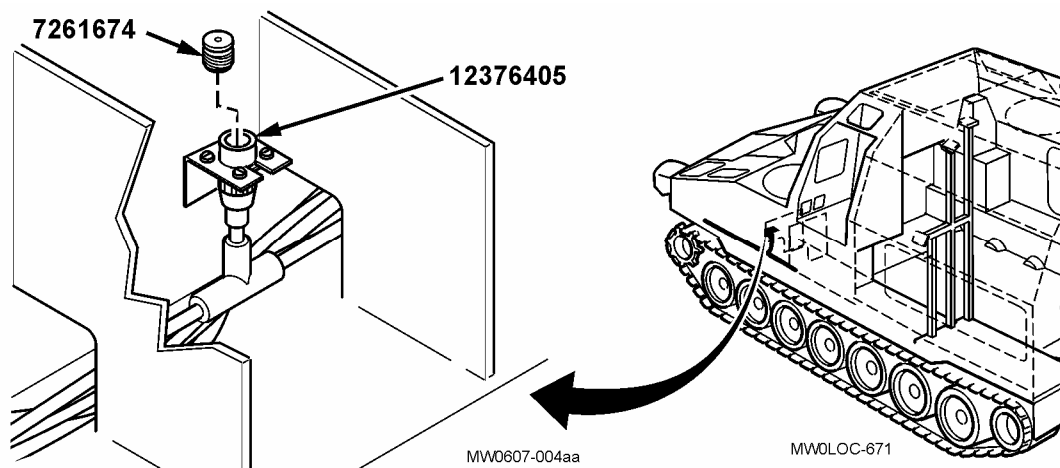
NOTE

Electrical tiedown straps 10905840 (kit 57K3270) are cut to length from bulk as required to secure the wiring harnesses onto the vehicle.

6. Install AFES wiring harness 12352315 on rear hull and fire extinguisher box with five hexagon head capscrews B1821BH025C063N (kit 57K3270), lockwashers MS35338-63 (kit 57K3270), flat washers MS27183-10, (kit 57K3270), and tiedown straps 10905840 (kit 57K3270).



7. Locate receptacle connector of wiring harness 12376405. Install electrical connector cover 7261674 (kit 57K3272) on harness receptacle connector.

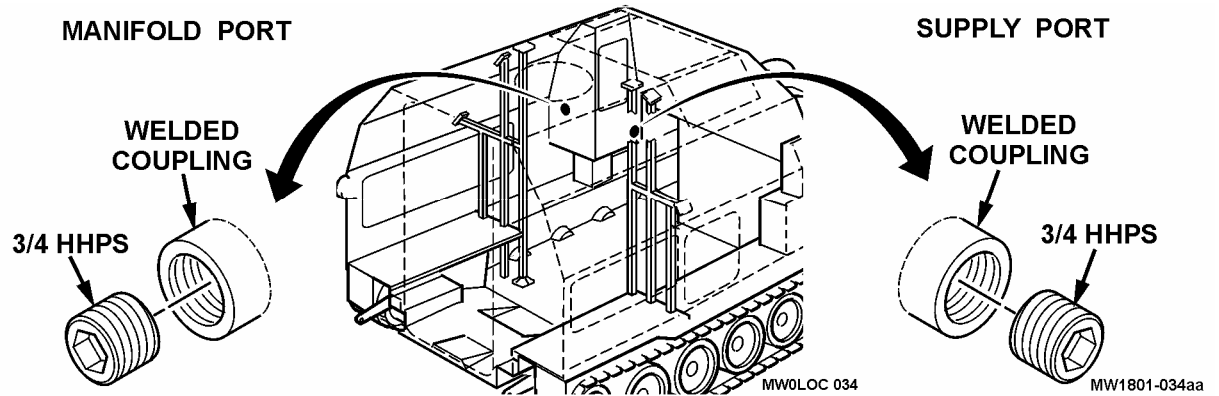


10. MODIFICATION PROCEDURES (continued).

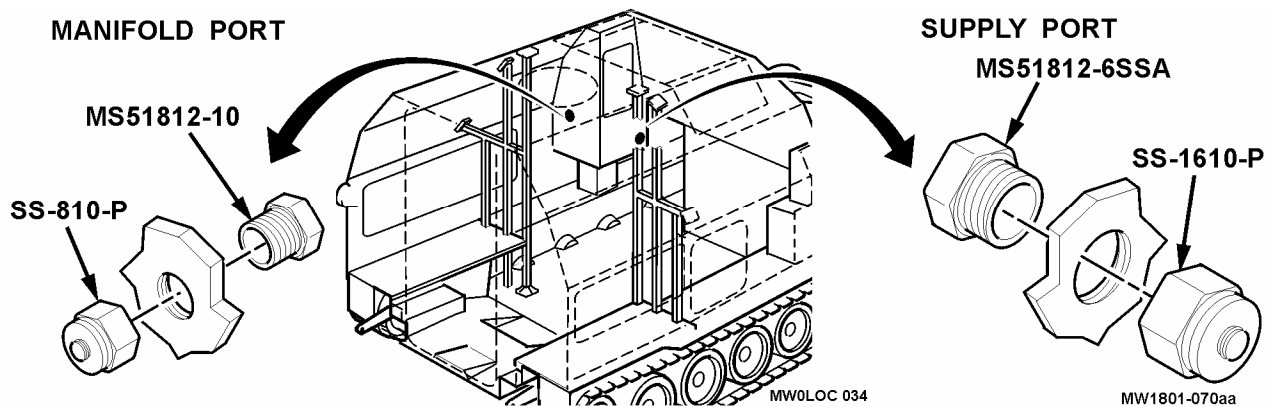
g. Installation (continued).

8. Locate hydraulic reservoir supply port in APU compartment bulkhead, as shown.

9. If welded coupling is present, install plug 3/4 HHPS (kit 57K3270), as shown.



10. If bulkhead coupling MS51812-6SSA is present, install cap SS-1610-P (kit 57K3270), as shown.



11. Locate hydraulic manifold port in APU compartment bulkhead, as shown.

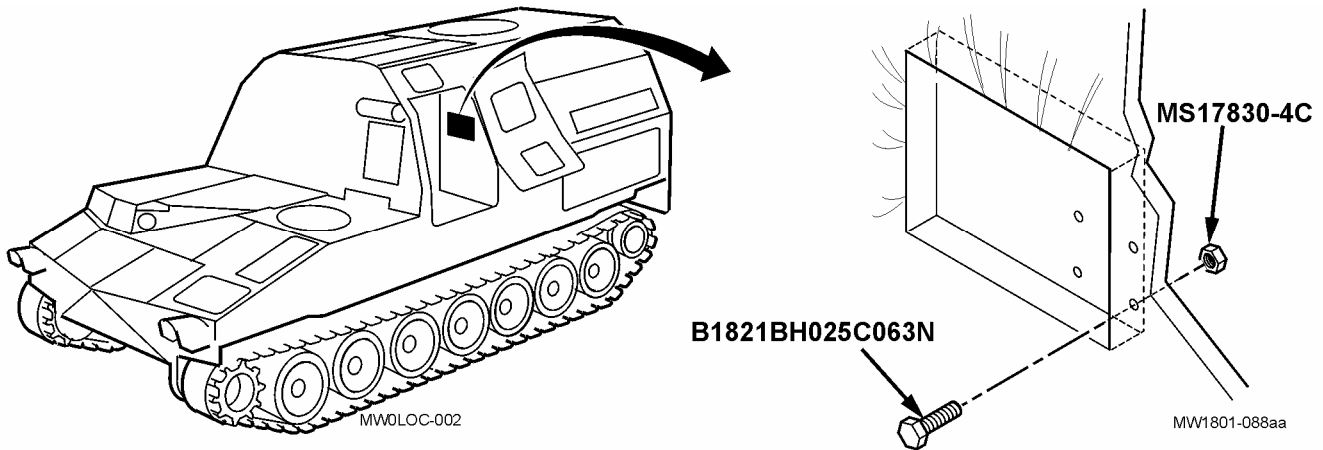
12. If welded coupling is present, install plug 3/4 HHPS (kit 57K3270).

13. If bulkhead coupling MS51812-10 is present, install cap SS-810-P (kit 57K3270).

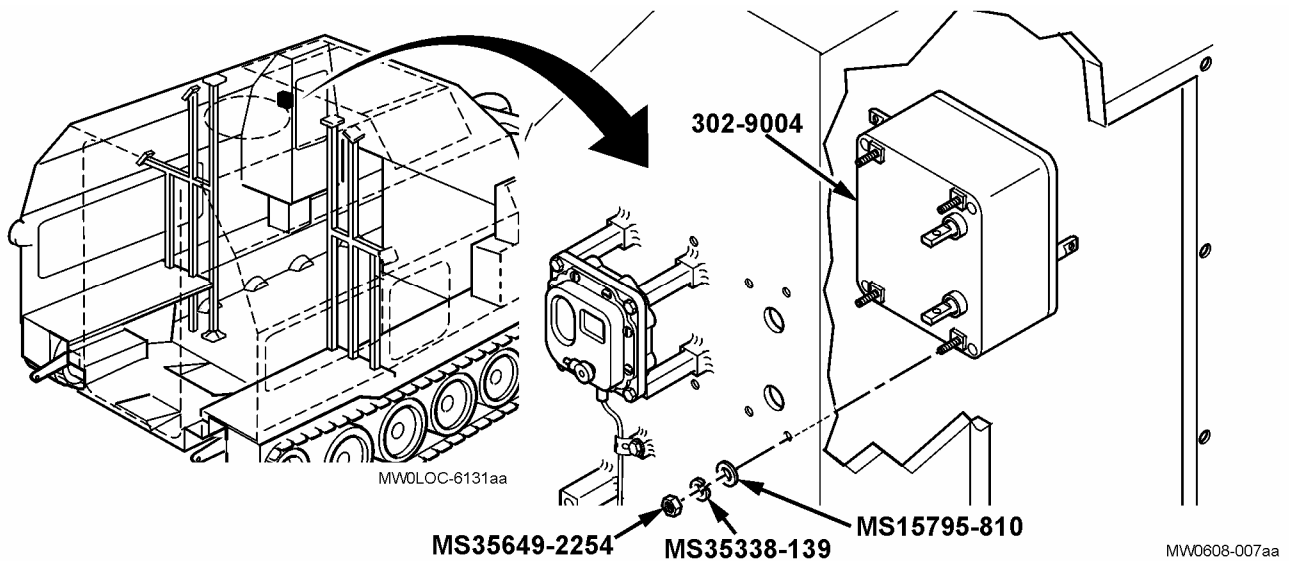
10. MODIFICATION PROCEDURES (continued).

g. Installation (continued).

14. Install two hexagon head capscrews B1821BH025C063N (kit 57K3272) and self-locking nuts MS17830-4C (kit 57K3272) on APU compartment bulkhead, as shown. Plug the top left hole using adhesive M46106-11EBN.



15. Install APU power feed-through junction box 302-9004 (kit 57K3272) on APU rear compartment bulkhead with four flat washers MS15795-810 (kit 57K3272), lockwashers MS35338-139 (kit 57K3272), and plain hexagon nuts MS35649-2254 (kit 57K3272).



10. MODIFICATION PROCEDURES (continued).

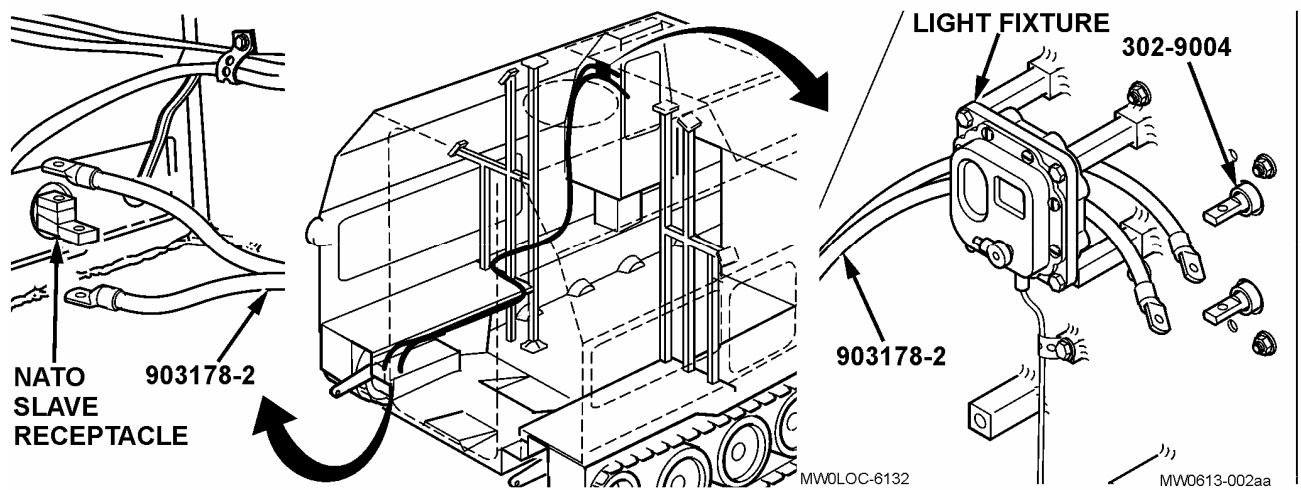
g. Installation (continued).

16. Seal the area around the terminals of the APU power feed-through junction box 302-9004 and APU compartment bulkhead with adhesive M46146-11AWY.

NOTE

Prior to installing power electrical harness 903178-2, identify the harness end with the terminal 50C making the enlarged mounting hole. This end must be positioned at the rear NATO slave receptacle.

17. Route power electrical harness 903178-2 (kit 57K3272) from rear NATO slave receptacle, beneath the left rear sponson along existing wiring harnesses, up along road side of APU compartment along existing wiring harnesses, underneath the light fixture, and to terminals of APU power feed-through junction box 302-9004.



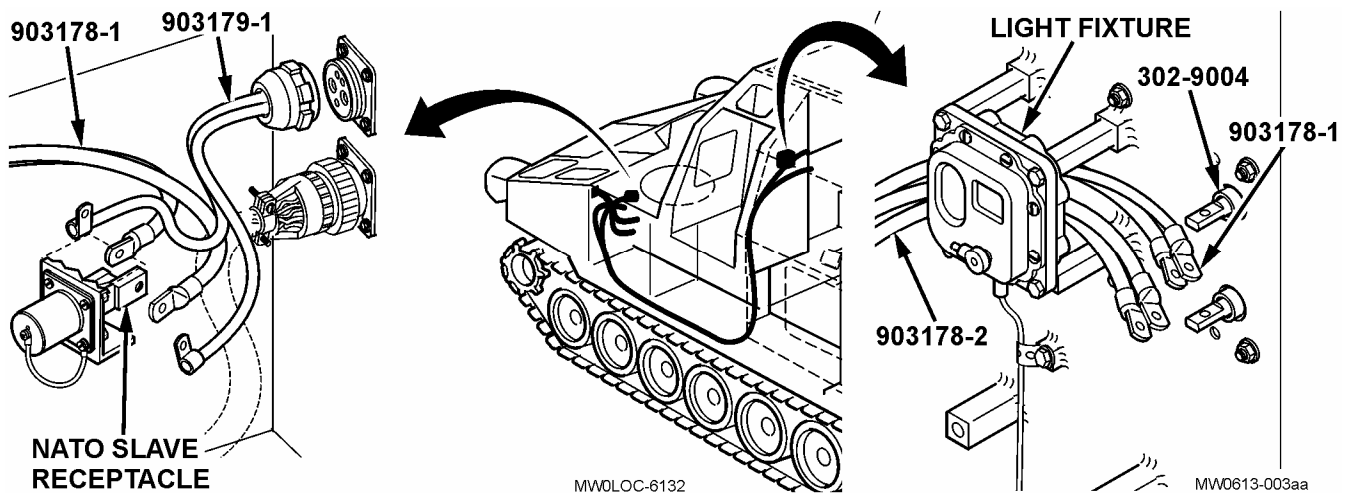
10. MODIFICATION PROCEDURES (continued).

g. Installation (continued).

18. Route power electrical harness 903178-1 (kit 57K3272) from terminals of APU power feed-through junction box 302-9004, underneath compartment light fixture, beneath APU compartment, and to the front NATO slave receptacle following existing wiring harnesses.

19. Apply silicone compound SAE-A58660 to terminals of power cable harness receptacle.

20. Connect the terminal receptacle of power cable harness 903179-1 (kit 57K3272) to the receptacle of wiring harness 12353402 at the battery compartment bulkhead and route leads 49A and 50A over to front NATO slave receptacle.



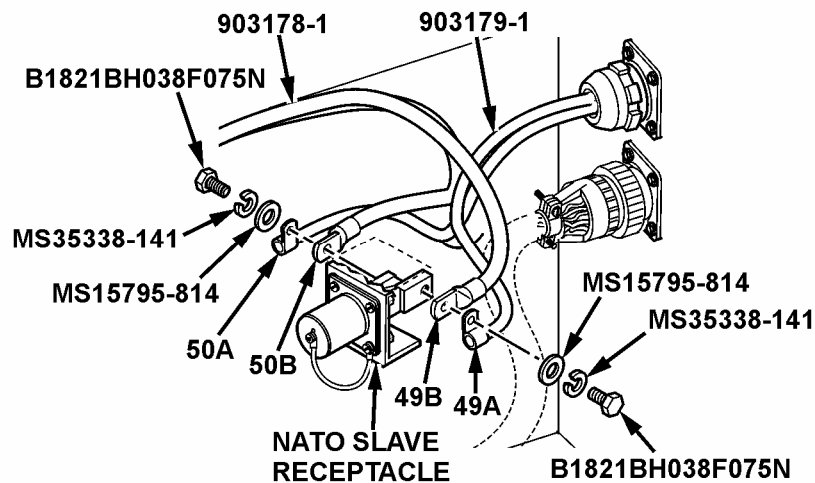
10. MODIFICATION PROCEDURES (continued).

g. Installation (continued).

NOTE

The front NATO slave receptacle should be oriented such that the positive terminal is facing the driver. Reposition the receptacle if necessary using four new machine screws MS51957-67 (kit 57K3272), lockwasher MS35338-138 (kit 57K3272), flat washer MS15795-842 (kit 57K3272), and plain hexagon nuts MS35649-204 (kit 57K3272).

21. Install lead 49A and 49B to positive terminal of front NATO slave receptacle with hexagon head capscrew B1821BH038F075N (kit 57K3272), lockwasher MS35338-141 (kit 57K3272), and flat washer MS15795-814 (kit 57K3272).
22. Install lead 50A and 50B to negative terminal of front NATO slave receptacle with hexagon head capscrew B1821BH038F075N (kit 57K3272), and lockwasher MS35338-141 (kit 57K3272), and flat washer MS15795-814 (kit 57K3272).
23. Apply sealing compound PR-1201-RLS MEDIUM over cable lugs and receptacle terminals. Allow 30 minutes to cure.



MW0613-004

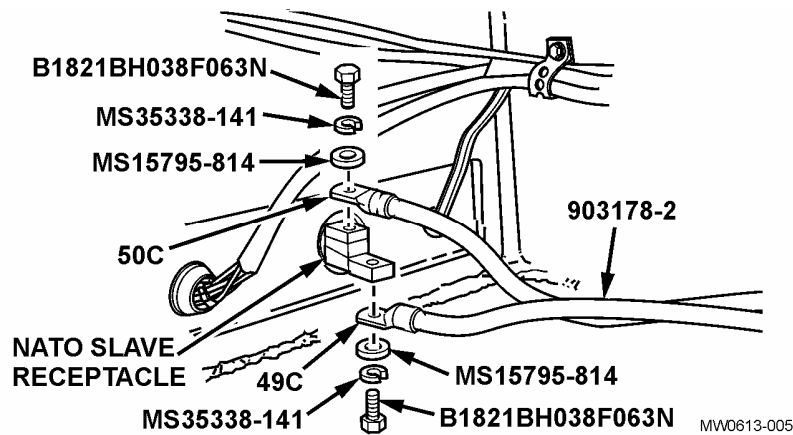
10. MODIFICATION PROCEDURES (continued).

g. Installation (continued).

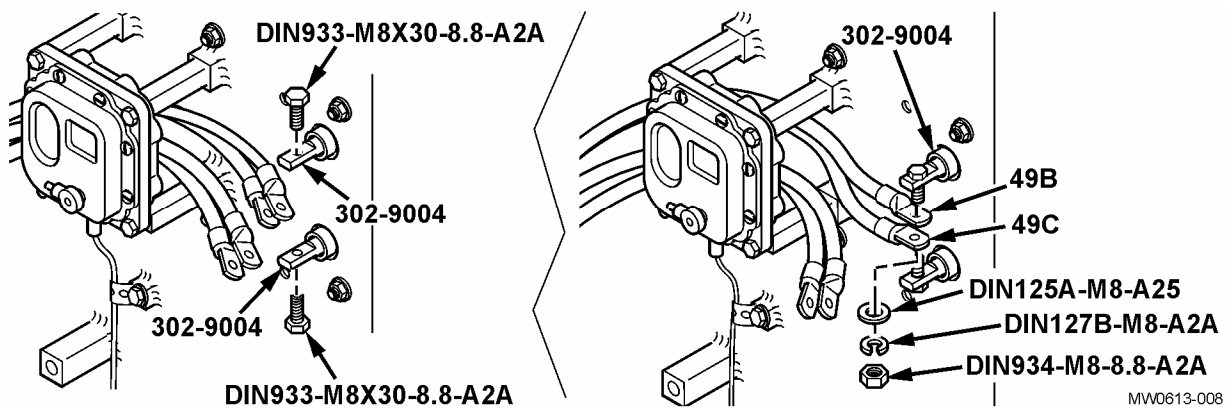
NOTE

The rear NATO slave receptacle should be oriented so that positive terminal is facing floor of vehicle. Reposition the receptacle if necessary using four new machine screws MS51957-67 (kit 57K3272), lockwasher MS35338-138 (kit 57K3272).

24. Install lead 49C to the positive terminal of rear NATO slave receptacle with hexagon head capscrew B1821BH038F063N (kit 57K3272), lockwasher MS35338-141 (kit 57K3272), and flat washer MS15795-814 (kit 57K3272).
25. Install lead 50C to negative terminal of rear NATO slave receptacle with hexagon head capscrew B1821BH038F063N (kit 57K3272), lockwasher MS35338-141 (kit 57K3272), and flat washer MS15795-814 (kit 57K3272).
26. Apply adhesive sealing compound PR-1201-RLS MEDIUM over cable lugs and receptacle terminals. Allow 30 minutes to cure.



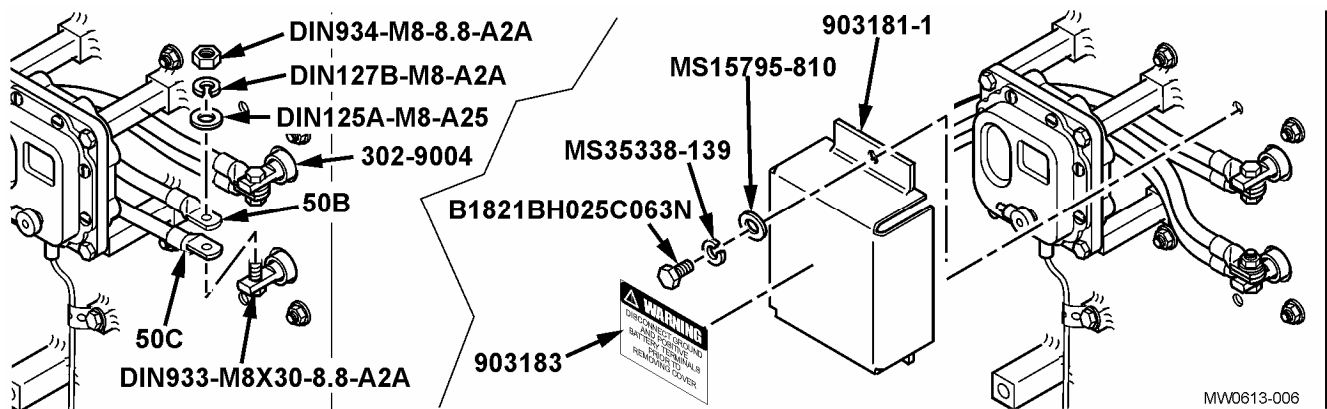
27. Install hexagon head capscrew DIN933-M8X30-8.8-A2A (kit 57K3272) on the positive and negative terminals of the APU power feed-through junction box 302-9004.
28. Install leads 49B and 49C on hexagon head capscrew DIN933-M8X30-8.8-A2A and positive terminal of APU power feed-through junction box 302-9004 with flat washer DIN125A-M8-A25 (kit 57K3272), lockwasher DIN127B-M8-A2A (kit 57K3272), and plain hexagon nut DIN934-M8-8.8-A2A (kit 57K3272).



10. MODIFICATION PROCEDURES (continued).

g. Installation (continued).

29. Install leads 50B and 50C on hexagon head capscrew DIN933-M8X30-8.8-A2A and negative terminal of APU power feed-through junction box 302-9004 with flat washer DIN125A-M8-A25 (kit 57K3272), lockwasher DIN127B-M8-A2A (kit 57K3272), and plain hexagon nut DIN934-M8-8.8-A2A (kit 57K3272).
30. Install power feed terminal cover 903181-1 (kit 57K3272) on APU compartment bulkhead with two hexagon head capscrews B1821BH025C063N (kit 57K3272), lockwashers MS35338-139 (kit 57K3272), and flat washers MS15795-810 (kit 57K3272).

**NOTE**

Perform step 31 if warning label is not attached to power feed terminal cover.

31. Install warning label 903183 (kit 57K3272) on power feed terminal cover 903181-1.

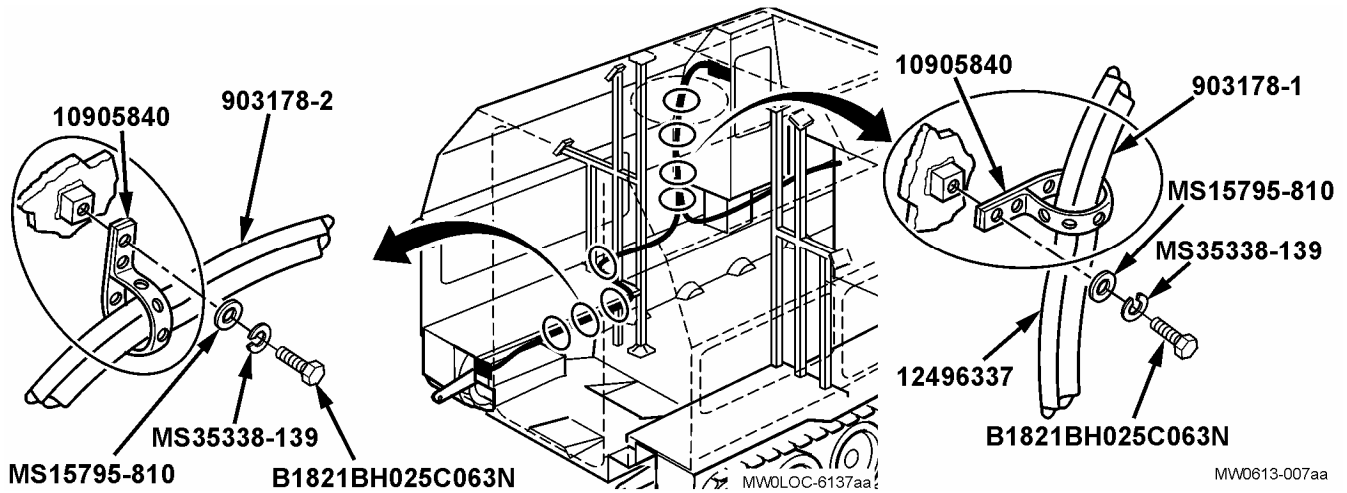
10. MODIFICATION PROCEDURES (continued).

g. Installation (continued).

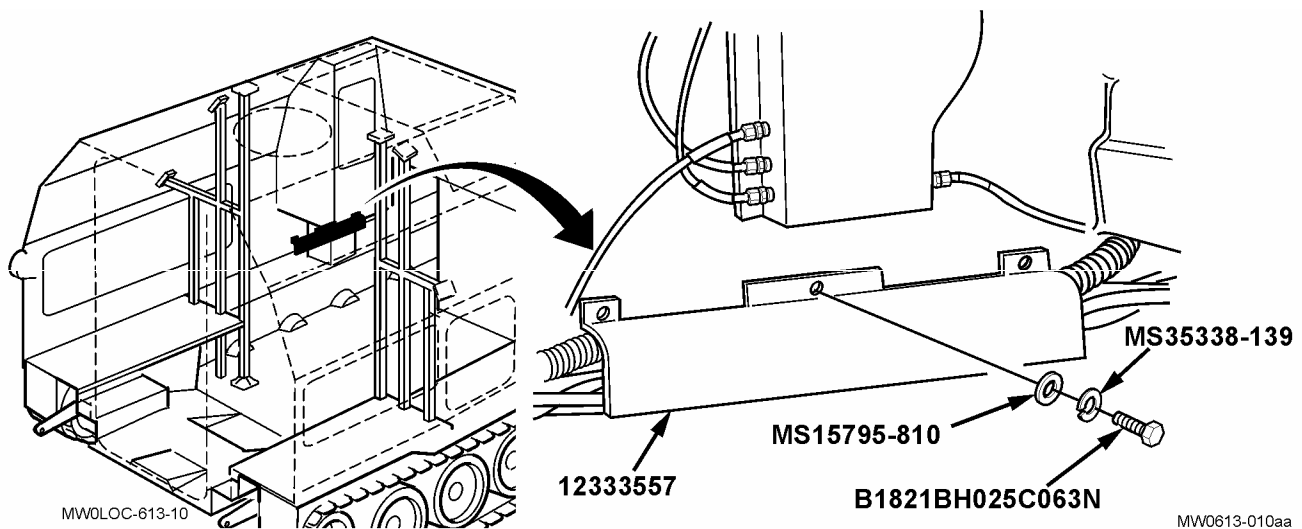
NOTE

Electrical tiedown straps 10905840 (kit 57K3272) are cut to length from bulk as required to secure the wiring harnesses onto the vehicle.

32. Secure power cables 903178-1, 903178-2, and existing wiring harnesses to hull with nine electrical tiedown straps 10905840, hexagon head capscrews B1821BH025C063N (kit 57K3272), lockwashers MS35338-139 (kit 57K3272), and flat washers MS15795-810 (kit 57K3272).



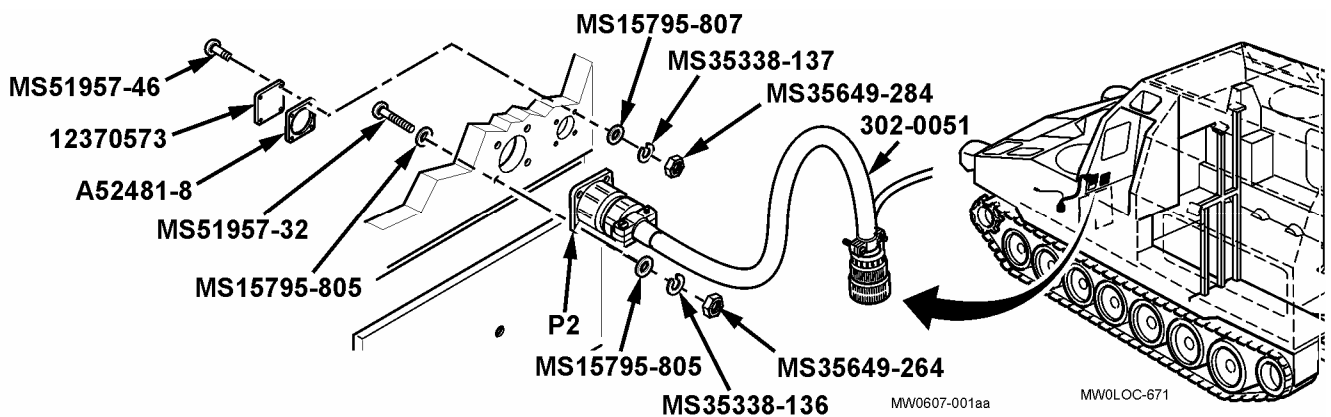
33. Install wiring harness guard 12333557 on left front sponson with three hexagon head capscrews B1821BH025C063N (kit 57K3272), lockwasher MS35338-139 (kit 57K3272), and flat washer MS15795-810 (kit 57K3272).



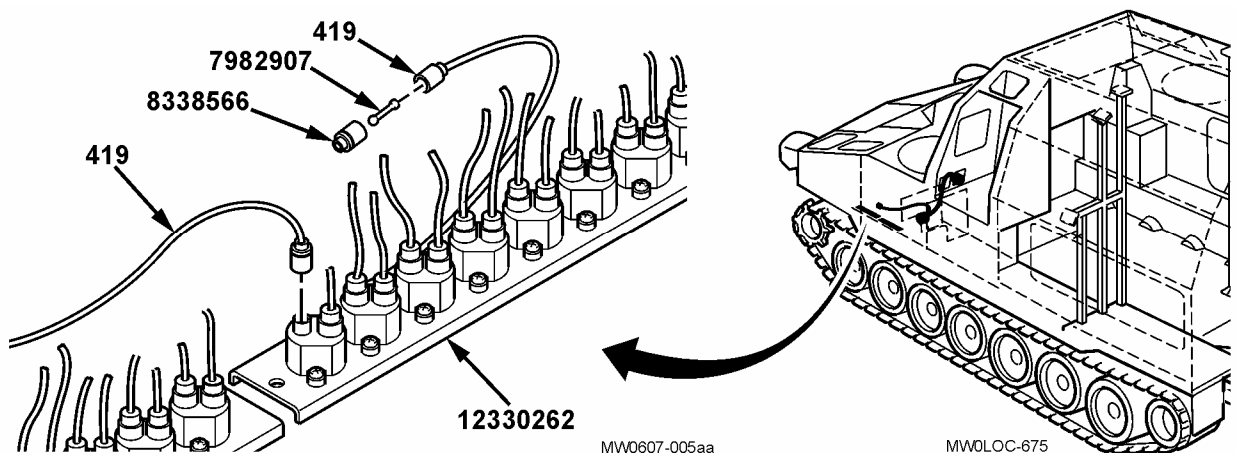
10. MODIFICATION PROCEDURES (continued).

g. Installation (continued).

34. Install receptacle P2 of control box cable harness 302-0051 (kit 57K3272) on APU compartment bulkhead with four machine screws MS51957-32 (kit 57K3272), eight flat washers MS15795-805 (kit 57K3272), four lockwashers MS35338-136 (kit 57K3272), and plain hexagon nuts MS35649-264 (kit 57K3272).
35. Install access cover 12370573 and gasket A52481-8 (kit 57K3272) on APU compartment bulkhead with four machine screws MS51957-46 (kit 57K3272), lockwashers MS35338-137 (kit 57K3272), flat washers MS15795-807 (kit 57K3272), and plain hexagon nuts MS35649-284 (kit 57K3272).



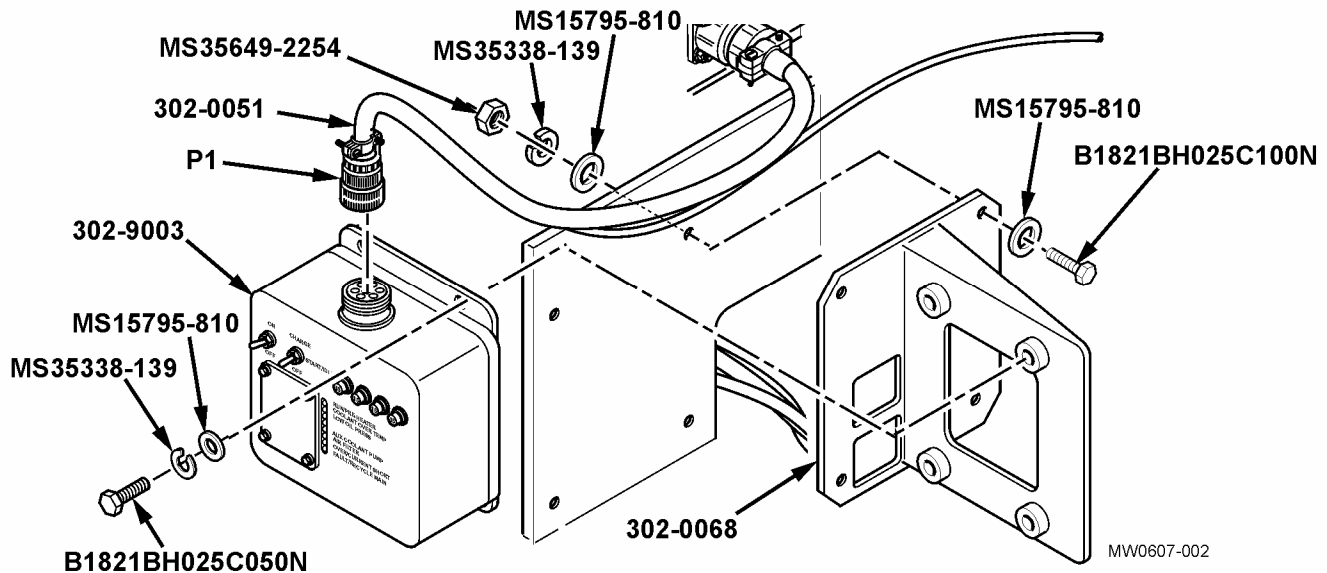
36. Disconnect lead 419 from circuit breaker No. 8 on circuit breaker panel 12330262. Install dummy plug 7982907 (kit 57K3272) and shell 8338566 (kit 57K3272) on lead 419.
37. Connect single DC pigtail lead 419, of wiring harness 302-0051, to the output of circuit breaker No. 8 on circuit breaker panel 12330262.



10. MODIFICATION PROCEDURES (continued).

g. Installation (continued).

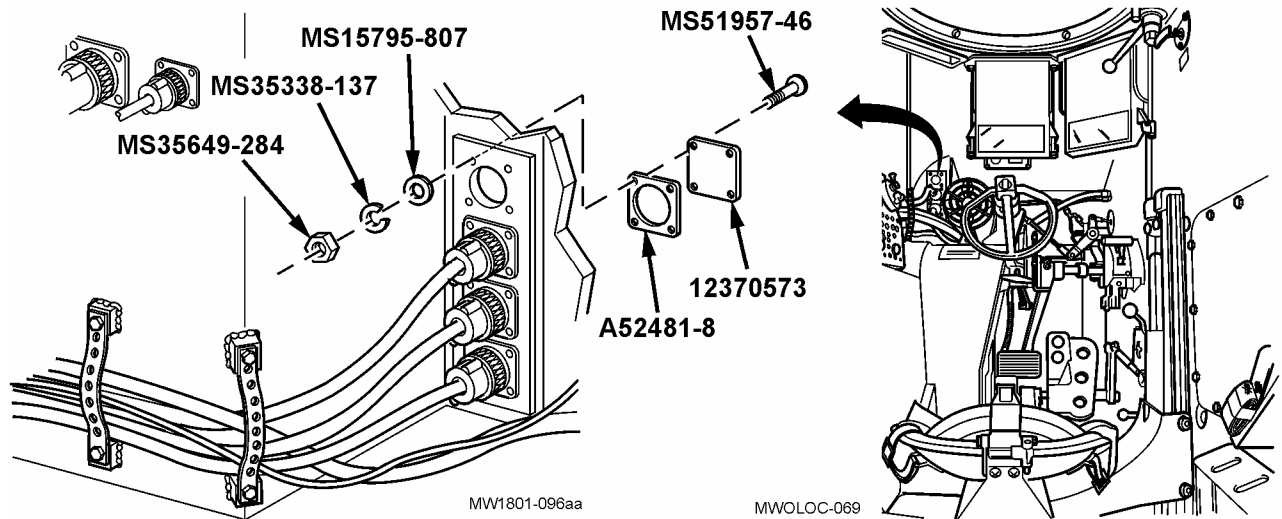
38. Install control box mounting bracket 302-0068 (kit 57K3272) on driver's compartment bulkhead with four hexagon head capscrews B1821BH025C100N (kit 57K3272), eight flat washers MS15795-810 (kit 57K3272), four lockwashers MS35338-139 (kit 57K3272), and plain hexagon nuts MS35649-2254 (kit 57K3272).
39. Install APU control box assembly 302-9003 (kit 57K3272) on control box mounting bracket 302-0068 with four hexagon head capscrews B1821BH025C050N (kit 57K3272), lockwashers MS35338-139 (kit 57K3272), and flat washers MS15795-810 (kit 57K3272).
40. Apply silicone compound SAE-A58660 to terminals of receptacle P1.
41. Connect receptacle P1 of control box cable harness 302-0051 to APU control box assembly 302-9003.



10. MODIFICATION PROCEDURES (continued).

g. Installation (continued).

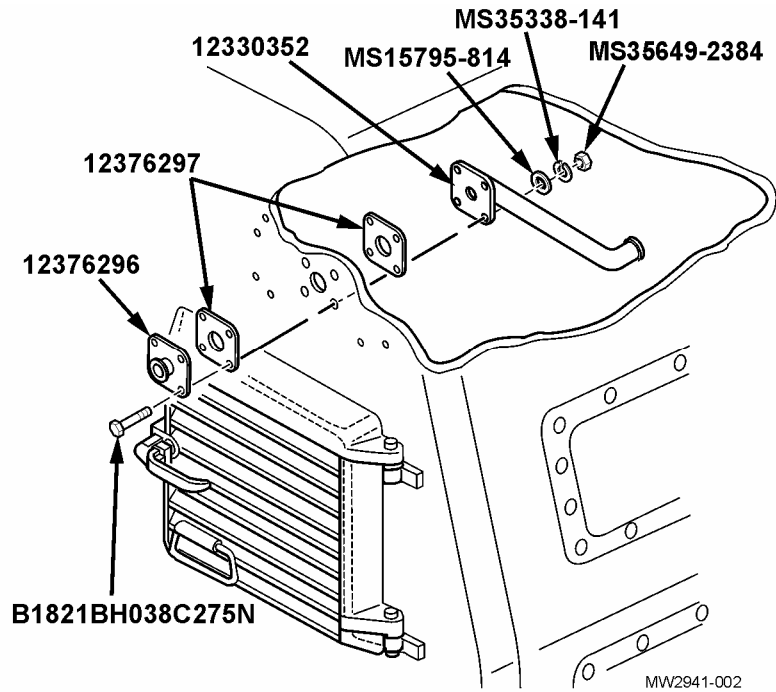
42. Install access cover 12370573 and gasket A52481-8 (kit 57K3272) on battery compartment bulkhead with four machine screws MS51957-46 (kit 57K3272), lockwashers MS35338-137 (kit 57K3272), flat washers MS15795-807 (kit 57K3272), and plain hexagon nuts MS35649-284 (kit 57K3272).



10. MODIFICATION PROCEDURES (continued).

g. Installation (continued).

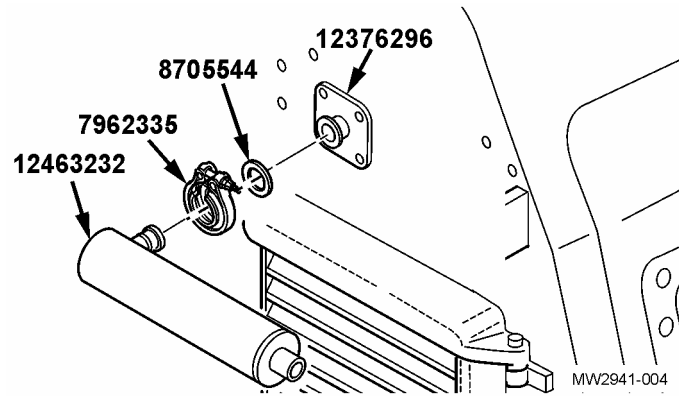
43. Install exhaust pipe flange 12376296 (kit 57K3272), two gaskets 12376297 (kit 57K3272), and exhaust pipe 12330352 on forward APU compartment bulkhead with four hexagon head capscrews B1821BH038C275N (kit 57K3272), flat washers MS15795-814 (kit 57K3272), lockwashers MS35338-141 (kit 57K3272), and plain hexagon nuts MS35649-2384 (kit 57K3272).



10. MODIFICATION PROCEDURES (continued).

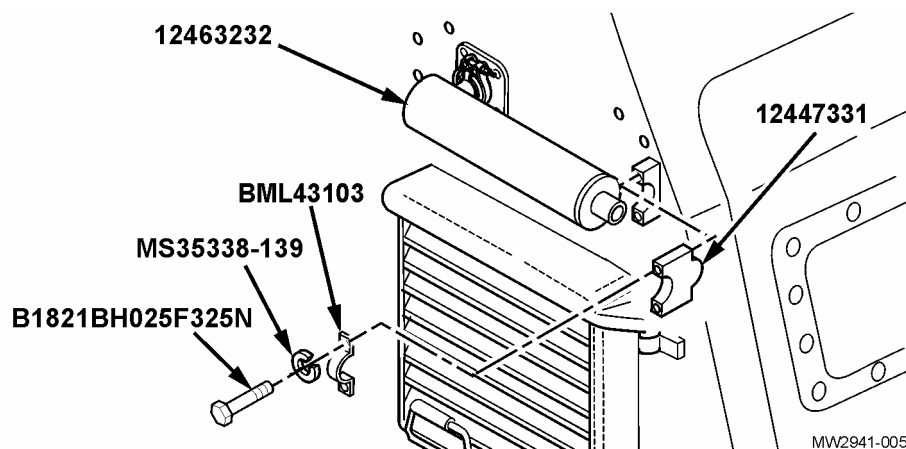
g. Installation (continued).

44. Install exhaust muffler 12463232 (kit 57K3272) on exhaust pipe flange 12376296 with shim 8705544 (kit 57K3272) and muffler clamp 7962335 (kit 57K3272).

**NOTE**

Perform step 45 for vehicles S/N 1 through 675.

45. Install spacer plate 12447331 (kit 57K3272), exhaust muffler 12463232 and retaining strap BML43103 (kit 57K3272) on vehicle hull with two hexagon head capscrews B1821BH025F325N (kit 57K3272) and lockwashers MS35338-139 (kit 57K3272).



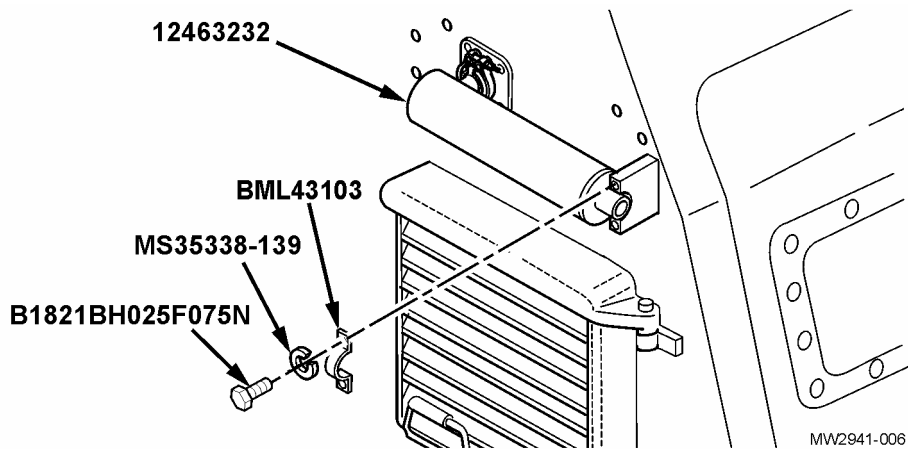
10. MODIFICATION PROCEDURES (continued).

g. Installation (continued).

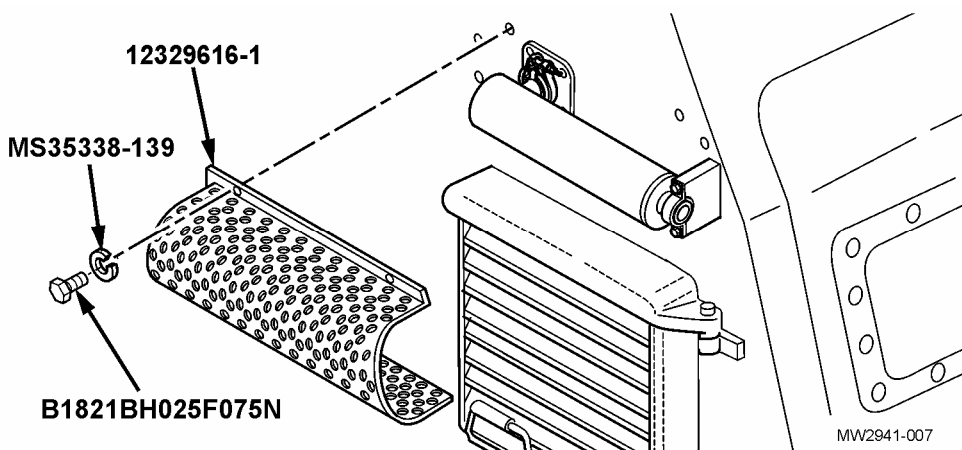
NOTE

Perform step 46 for vehicles S/N 676 and above.

46. Install exhaust muffler 12463232 and retaining strap BML43103 (kit 57K3272) on vehicle hull with two hexagon head capscrews B1821BH025F075N (Table 6-2) and lockwashers MS35338-139 (kit 57K3272).



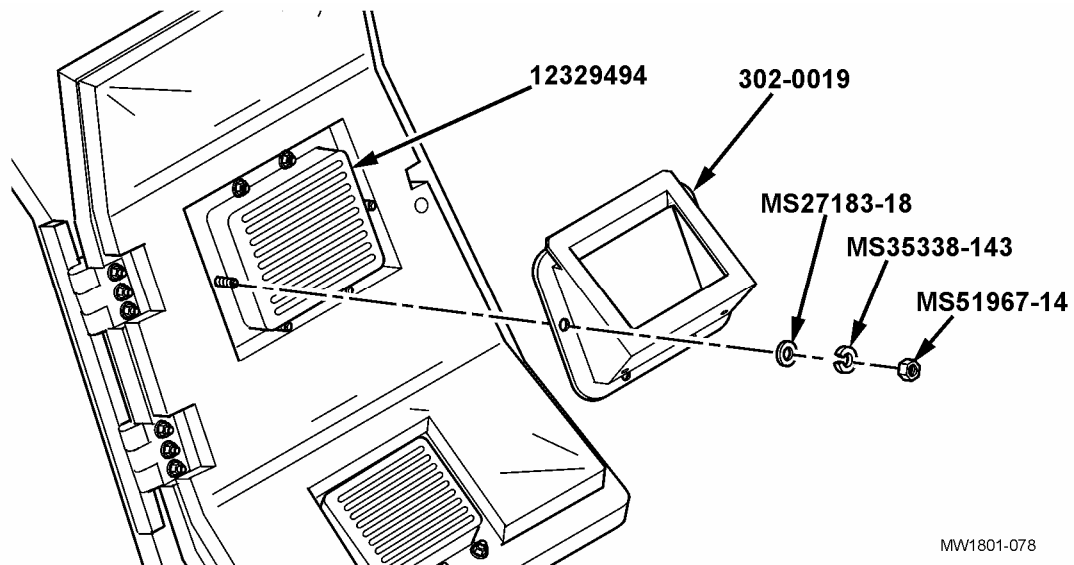
47. Position muffler-exhaust guard 12329616-1 (kit 57K3272) on vehicle hull and install with seven hexagon head capscrews B1821BH025F075N (kit 57K3272) and lockwashers MS35338-139 (kit 57K3272).



10. MODIFICATION PROCEDURES (continued).

g. Installation (continued).

48. Remove four nuts MS51967-14, flat washers MS27183-18, and lockwashers MS35338-143 from capscrews securing ballistic grill 12329494 to upper APU compartment roadside door. Set aside nuts and flat washers for reuse. Discard lockwashers.
49. Position cooling air exhaust duct 302-0019 (kit 57K3272) on ballistic grill 12329494 capscrews. Trim any insulation away from the APU door insulation panel that may interfere with the duct seating flush with the APU compartment door.
50. Install cooling air exhaust duct 302-0019 to ballistic grill 12329494 and APU compartment roadside door reusing four plain hexagon nuts MS51967-14, flat washers MS27183-18, and lockwashers MS35338-143 (57K3272).

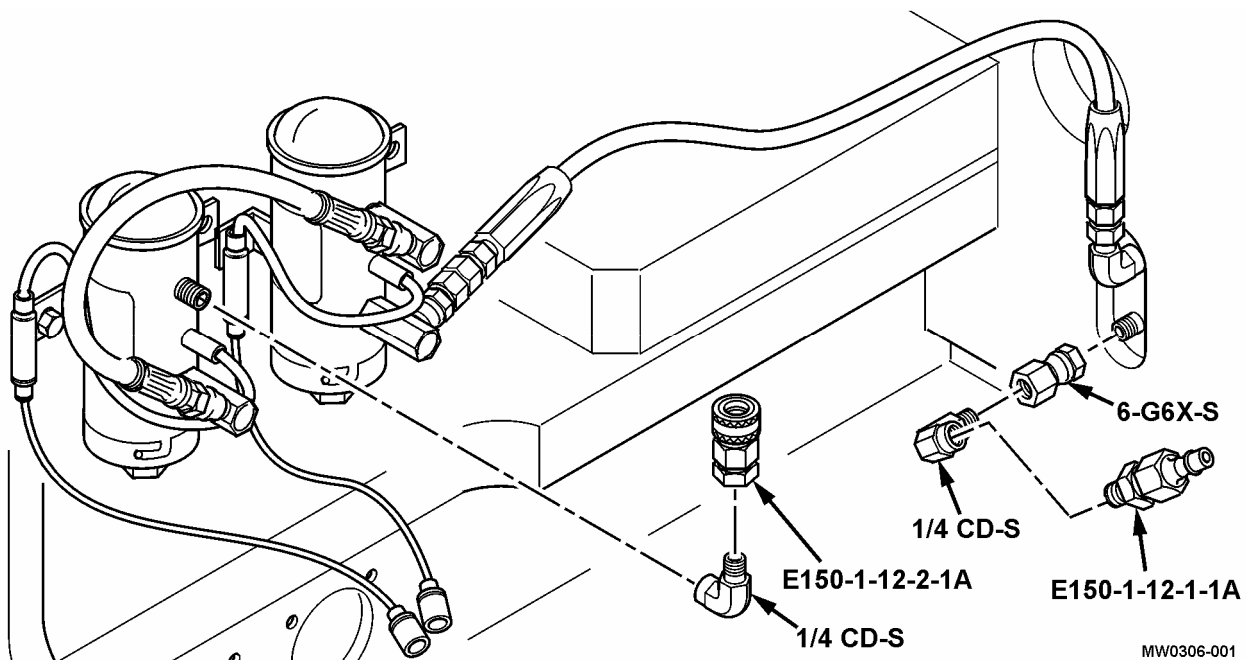


MW1801-078

10. MODIFICATION PROCEDURES (continued).

g. Installation (continued).

51. Install pipe elbow 1/4 CD-S (kit 57K3272) and female quick-disconnect E150-1-12-2-1A (kit 57K3272) on supply port of fuel pump.
52. Install coupling 6-G6X-S (kit 57K3272) and male quick-disconnect E150-1-12-1-1A (kit 57K3272) on pipe elbow 1/4 CD-S (kit 57K3272).
53. Install elbow 1/4 CD-S (kit 57K3272) with male quick-disconnect E150-1-12-1-1A (kit 57K3272) and coupling 6-G6X-S (kit 57K3272) attached as an assembly, on fuel-return fitting located on the APU compartment bulkhead.



10. MODIFICATION PROCEDURES (continued).

g. Installation (continued).

54. Install lifting sling to lifting eyes of APU assembly 302-9001 (kit 57K3272) and attach to lifting device.

WARNING

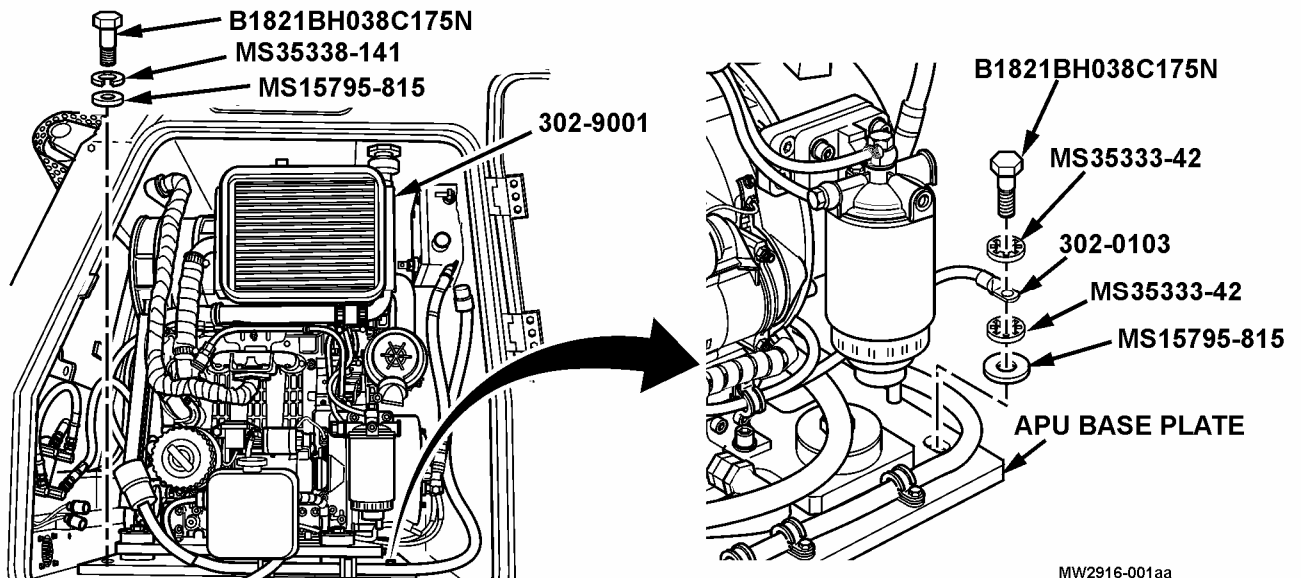
Personnel must stand clear during lifting operations. A swinging or shifting load may cause injury to personnel or damage to equipment.

55. Raise APU assembly 302-9001 and position into APU compartment with APU alternator end facing rear of vehicle. Adjust APU assembly 302-9001 so that screw holes on the APU compartment floor are aligned approximately in the center of the slotted holes in the APU base plate.

56. Install APU assembly 302-9001 on APU compartment floor with five hexagon head capscrews B1821BH038C175N (kit 57K3272), lockwashers MS35338-141 (kit 57K3272), and flat washers MS15795-815 (kit 57K3272). Do not tighten capscrews.

57. Remove lifting device and sling from APU assembly 302-9001.

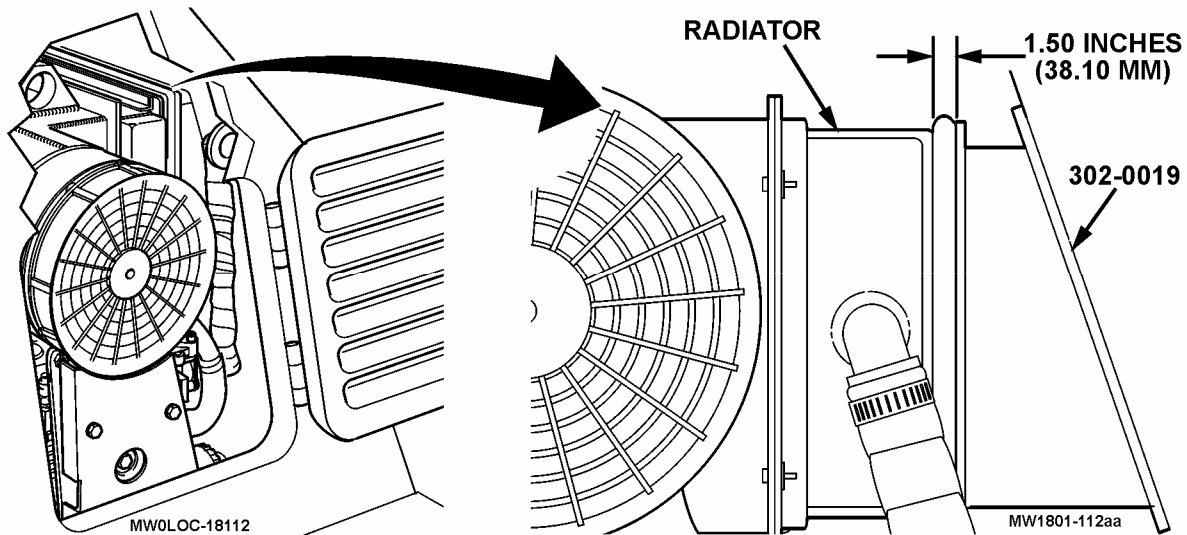
58. Install APU ground lead 302-0103 on APU base plate with hexagon head capscrew B1821BH038C175N (kit 57K3272), two lockwashers MS35333-42 (kit 57K3272), and flat washer MS15795-815 (kit 57K3272). Do not tighten capscrew.



10. MODIFICATION PROCEDURES (continued).

g. Installation (continued).

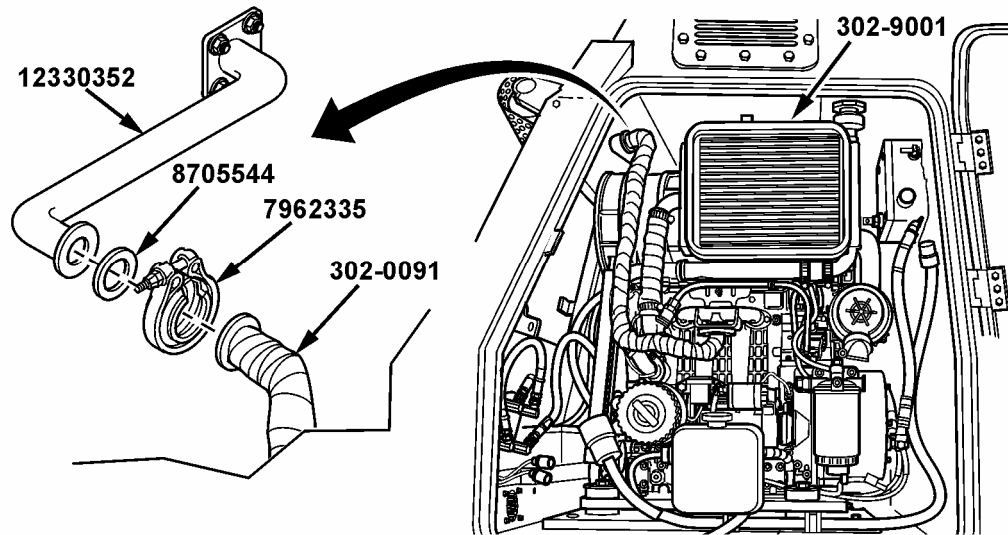
59. Close and latch the APU side compartment door.
60. Open the APU front compartment door.
61. Check to ensure the APU radiator seal is making contact with the cooling air exhaust duct 302-0019.
62. Measure the distance between the face of the APU radiator to the face of the cooling air exhaust duct 302-0019. Distance should be 1.50 inches (38.10 mm).
63. Open APU side compartment door. Adjust the APU assembly 302-9001 by sliding the assembly in or out to meet the required distance.
64. Repeat steps 59 through 63 to ensure the proper contact is made.
65. Tighten six hexagon head capscrews securing the APU assembly 302-9001 to the APU compartment floor.



10. MODIFICATION PROCEDURES (continued).

g. Installation (continued).

66. Install exhaust tube 302-0091, equipped with APU assembly 302-9001, on exhaust pipe 12330352 with muffler clamp 7962335 (kit 57K3272) and shim 8705544 (kit 57K3272).



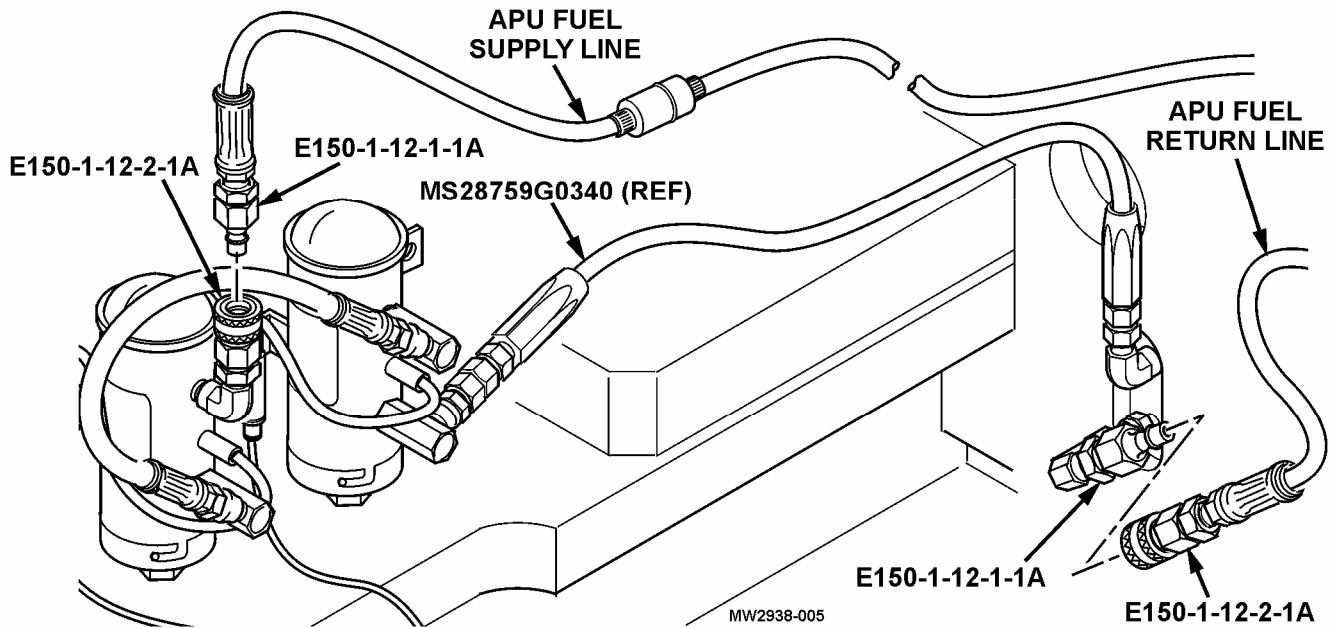
MW2901-001

10. MODIFICATION PROCEDURES (continued).

g. Installation (continued).

67. Connect the APU fuel supply line, with male quick-disconnect fitting E150-1-12-1-1A, to the female quick-disconnect fitting E150-1-12-2-1A on the APU fuel pump.

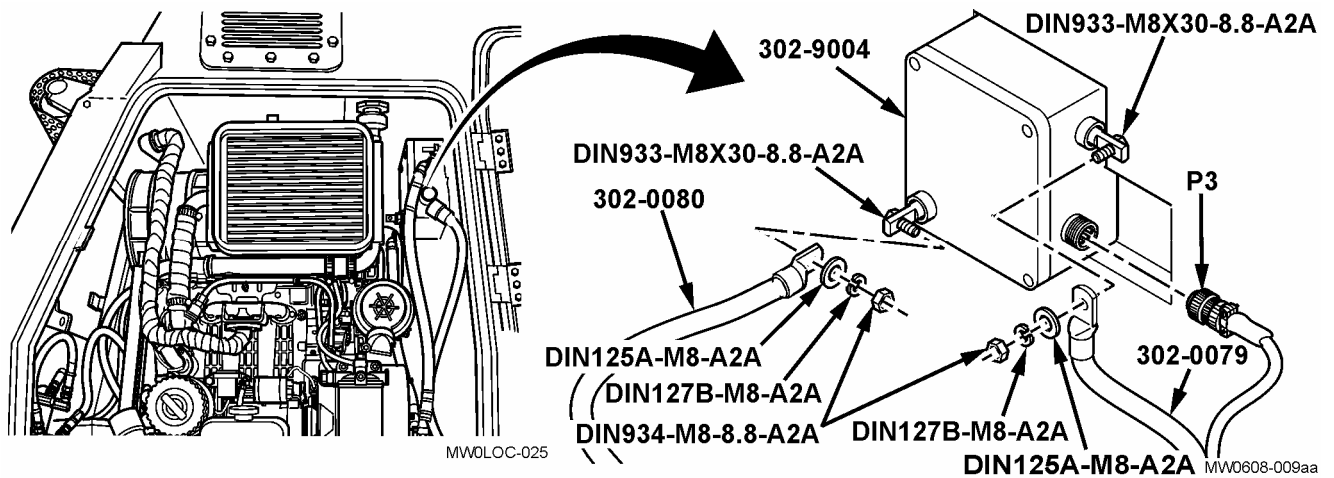
68. Connect the APU fuel return line, with female quick-disconnect fitting E150-1-12-2-1A, to the male quick-disconnect fitting E150-1-12-1-1A at the APU compartment bulkhead.



10. MODIFICATION PROCEDURES (continued).

g. Installation (continued).

69. Install two hexagon head capscrews DIN933-M8X30-8.8-A2A (kit 57K3272) on APU power feed through junction box 302-9004.
70. Connect APU generator positive lead 302-0079 to the positive terminal stud on the APU power feed-through junction box 302-9004 with flat washer DIN125A-M8-A2A (kit 57K3272), lockwasher DIN127B-M8-A2A (kit 57K3272), and plain hexagon nut DIN934-M8-8.8-A2A (kit 57K3272).
71. Connect APU generator negative lead 302-0080 to the negative terminal stud on the APU power feed-through junction box 302-9004 with flat washer DIN125A-M8-A25 (kit 57K3272), lockwasher DIN125B-M8-A2A (kit 57K3272), and plain hexagon nut DIN934-M8-8.8-A2A (kit 57K3272).
72. Connect receptacle P3 of APU engine harness to APU power feed-through junction box 302-9004.
73. Apply adhesive M46146-11AWY to terminals and generator lead connections at APU power feed-through junction box 302-9004 and APU generator.



10. MODIFICATION PROCEDURES (continued).

g. Installation (continued).

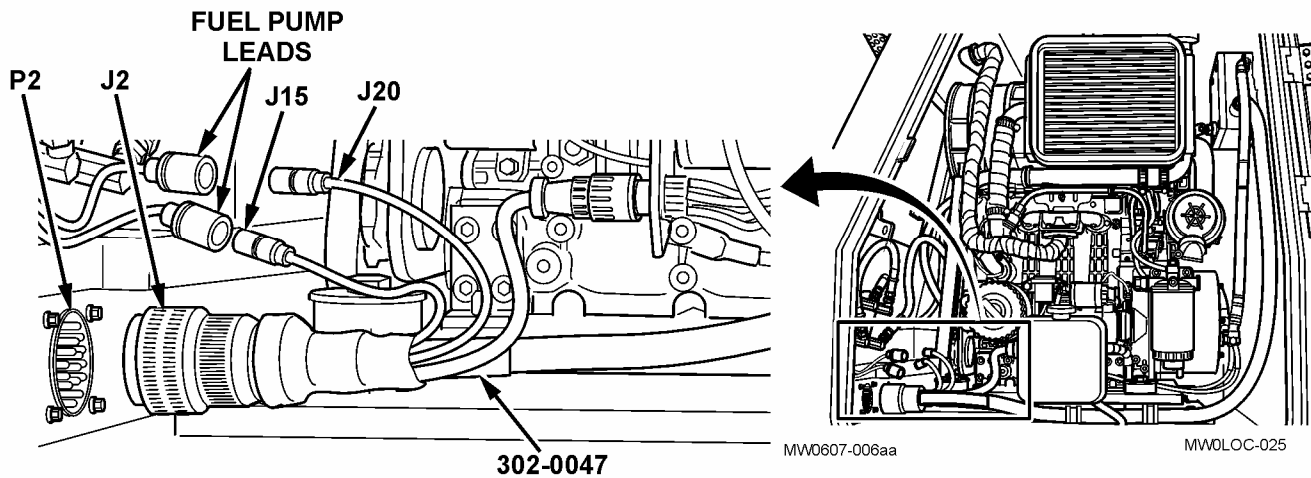
NOTE

Apply silicone compound SAE-A58660 to all harness receptacle connectors before contact.

74. Connect receptacle J2 of APU engine harness 302-0047 (kit 57K3272) to receptacle P2 of control box cable harness 302-0051 at the bottom of the forward APU compartment bulkhead.

75. Connect lead J15 to fuel pump lead.

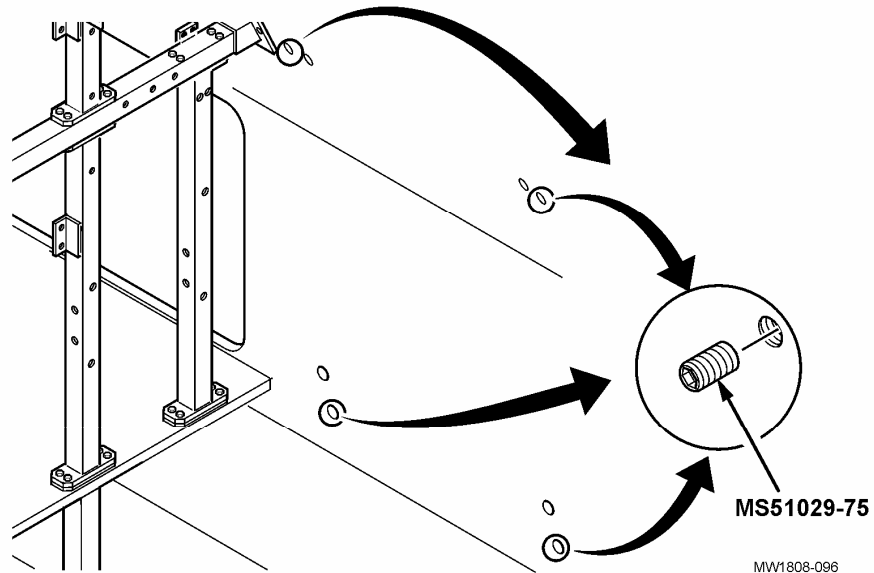
76. Connect lead J20 to fuel pump lead.



10. MODIFICATION PROCEDURES (continued).

g. Installation (continued).

77. Install four set screws MS51029-75 (kit 57K3270) in inserts for former ammunition stowage rack mount position.



10. MODIFICATION PROCEDURES (continued).

g. Installation (continued).

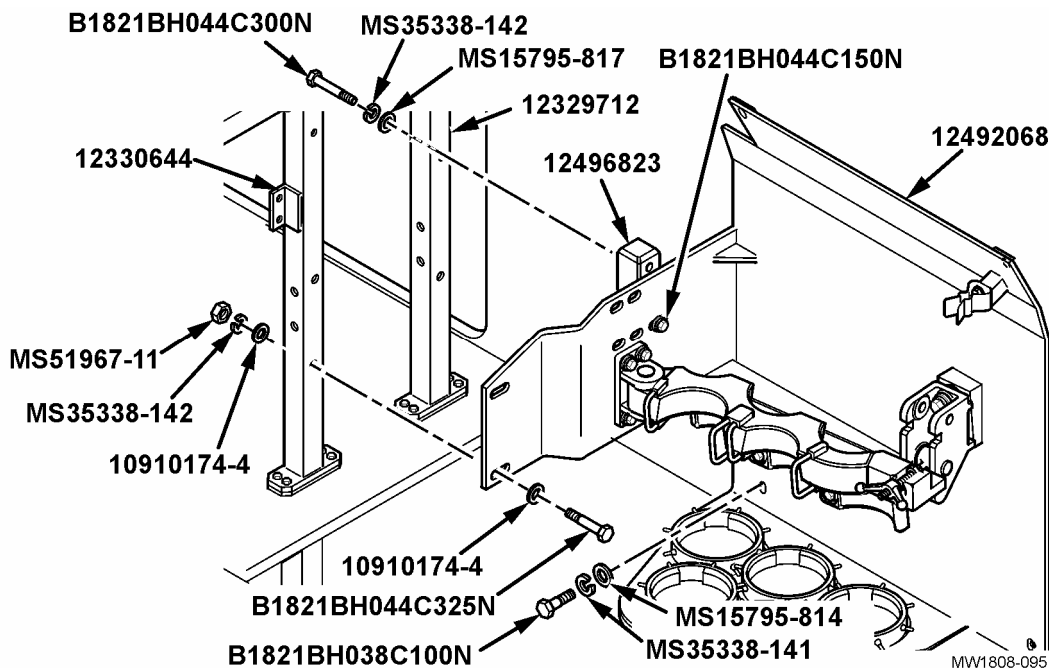
78. Position vertical stowage rack assembly 12492068 on left front sponson.

79. Install vertical stowage rack assembly 12492068 on hull with four hexagon head capscrews B1821BH038C100N (kit 57K3270), lockwashers MS35338-141 (kit 57K3270), and flat washers MS15795-814 (kit 57K3270).

80. Install vertical stowage rack assembly 12492068 on support compartment post 12330644 with two hexagon head capscrews B1821BH044C325N (kit 57K3270), four flat washers 10910174-4 (kit 57K3270), two lockwashers MS35338-142 (kit 57K3270), and two plain hexagon nuts MS51967-11 (kit 57K3270).

81. Install spacer 12496823 and vertical stowage rack assembly 12492068 on support compartment post 12329712 with two hexagon head capscrews B1821BH044C300N (kit 57K3270), lockwashers MS35338-142 (kit 57K3270), and flat washers MS15795-817 (kit 57K3270).

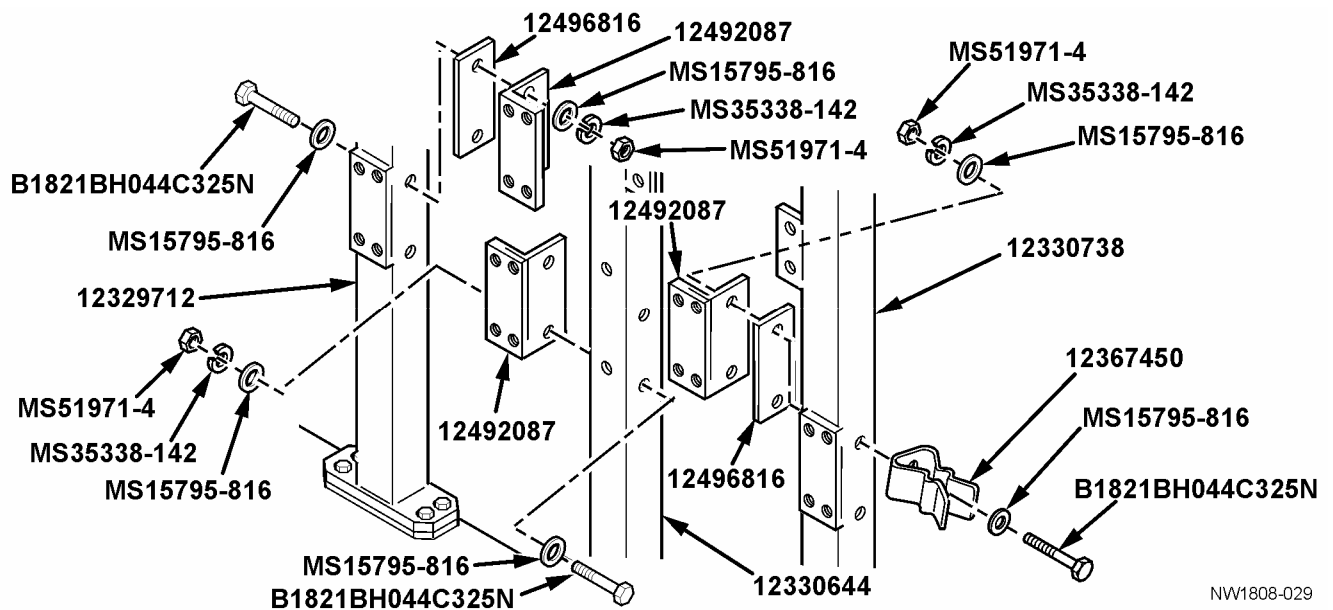
82. Tighten hexagon head capscrews B1821BH044C150N holding mounting spacer 12496823 to vertical stowage assembly 12492068.



10. MODIFICATION PROCEDURES (continued).

g. Installation (continued).

83. Install shim plate 12496816 (kit 57K3270) and mounting bracket 12492087 (kit 57K3270) on structural section 12329712 with two hexagon head capscrews B1821BH044C325N (kit 57K3270), lockwashers MS35338-142 (kit 57K3270), four flat washers MS15795-816 (kit 57K3270), and two plain hexagon nuts MS51971-4 (kit 57K3270). Do not tighten hardware.
84. Install mounting bracket 12492087 (kit 57K3270) on structural section 12330644 with two hexagon head capscrews B1821BH044C325N (kit 57K3270), lockwashers MS35338-142 (kit 57K3270), four flat washers MS15795-816 (kit 57K3270), and two plain hexagon nuts MS51971-4 (kit 57K3270). Do not tighten hardware.
85. Install shim plate 12496816 (kit 57K3270), mounting bracket 12492087 (kit 57K3270), and spring tension clip 12367450 (kit 57K3270) on structural section 12330738 with two hexagon head capscrews B1821BH044C325N (kit 57K3270), lockwashers MS35338-142 (kit 57K3270), four flat washers MS15795-816 (kit 57K3270), and two plain hexagon nuts MS51971-4 (kit 57K3270). Do not tighten hardware.

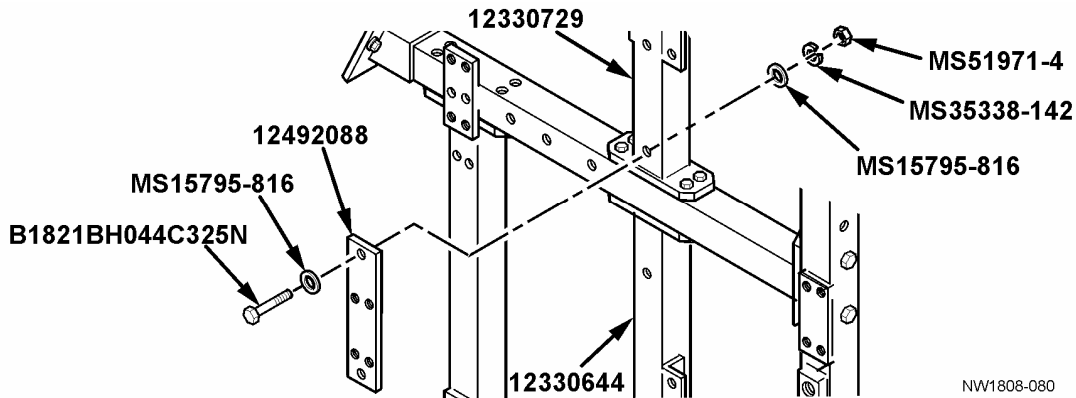


NW1808-029

10. MODIFICATION PROCEDURES (continued).

g. Installation (continued).

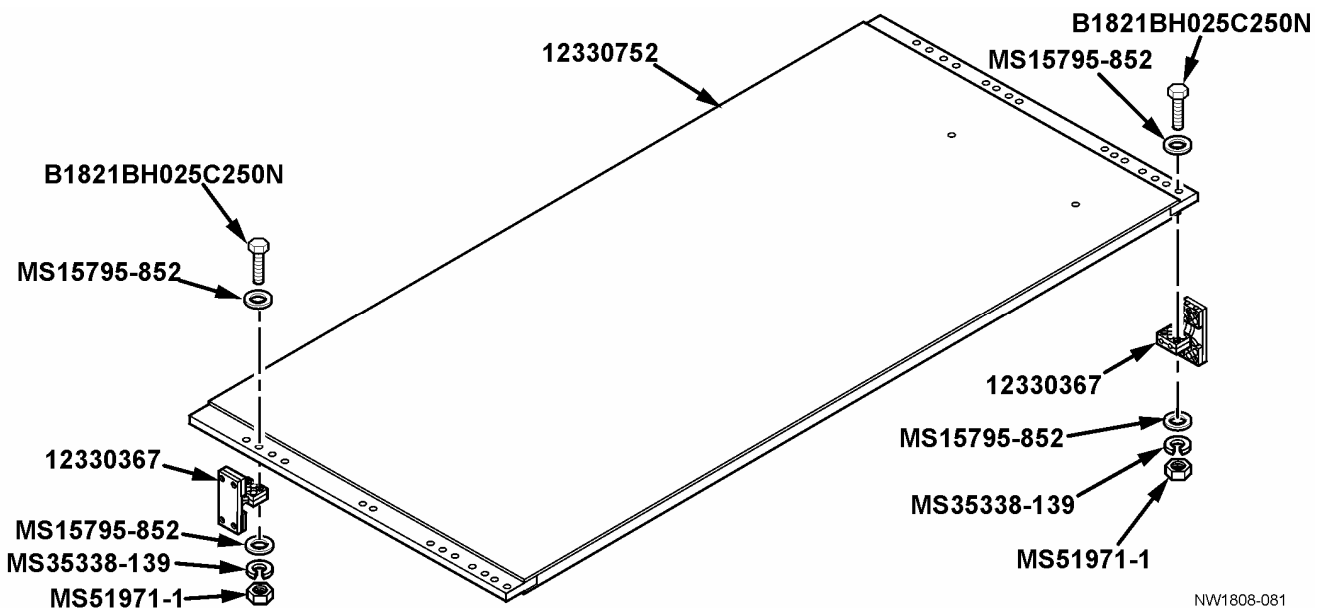
86. Install plate 12492088 (kit 57K3270) on structural section 12330729 and support post 12330644 with two hexagon head capscrews B1821BH044C325N (kit 57K3270), lockwashers MS35338-142 (kit 57K3270), four flat washers MS15795-816 (kit 57K3270), and two plain hexagon nuts MS51971-4 (kit 57K3270). Do not tighten hardware.



CAUTION

All resilient mounts are equipped with wooden dowels used for alignment when installing the storage shelves. Do not remove the dowels until inserting shelf mounting hardware. Doing so will result in the misalignment of the resilient mount.

87. Place ammunition storage rack 12330752 on workbench. Install ten resilient mounts 12330367 (kit 57K3270) on ammunition storage rack 12330752 with forty flat washers MS15795-852 (kit 57K3270), twenty hexagon head capscrews B1821BH025C250N (kit 57K3270), lockwashers MS35338-139 (kit 57K3270), and plain hexagon nuts MS51971-1 (kit 57K3270). Do not tighten hardware.



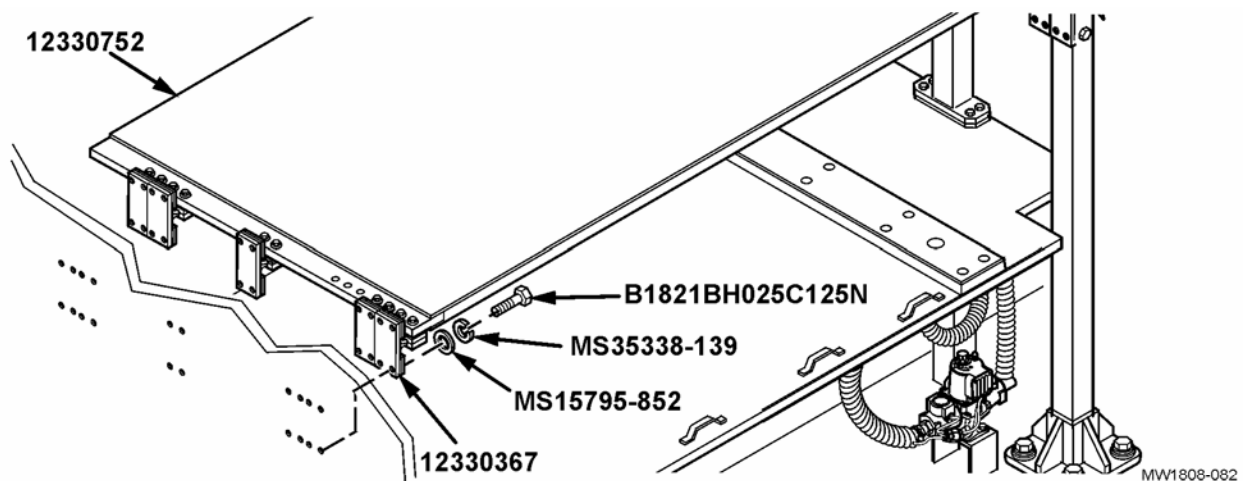
10. MODIFICATION PROCEDURES (continued).

g. Installation (continued).

NOTE

Assistance will be needed when installing ammunition stowage racks.

88. Position ammunition stowage rack 12330752 with resilient mounts 12330367 against left rear hull plate. Install five resilient mounts 12330367 on left rear hull plate with twenty hexagon head capscrews B1821BH025C125N (kit 57K3270), lockwashers MS35338-139 (kit 57K3270), and flat washers MS15795-852 (kit 57K3270). Do not tighten hardware.



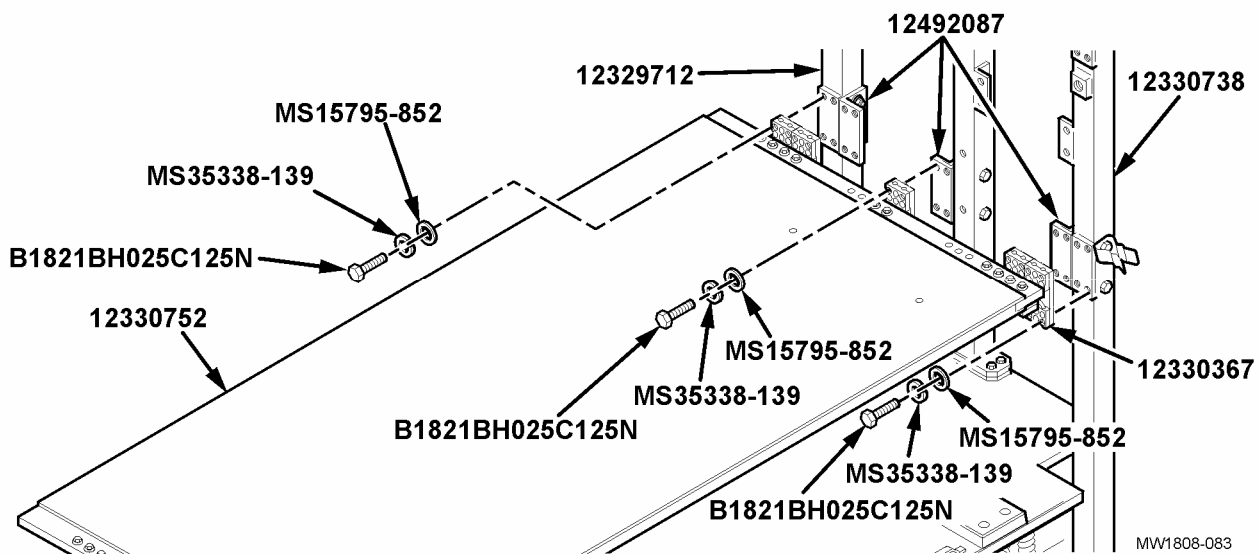
10. MODIFICATION PROCEDURES (continued).

g. Installation (continued).

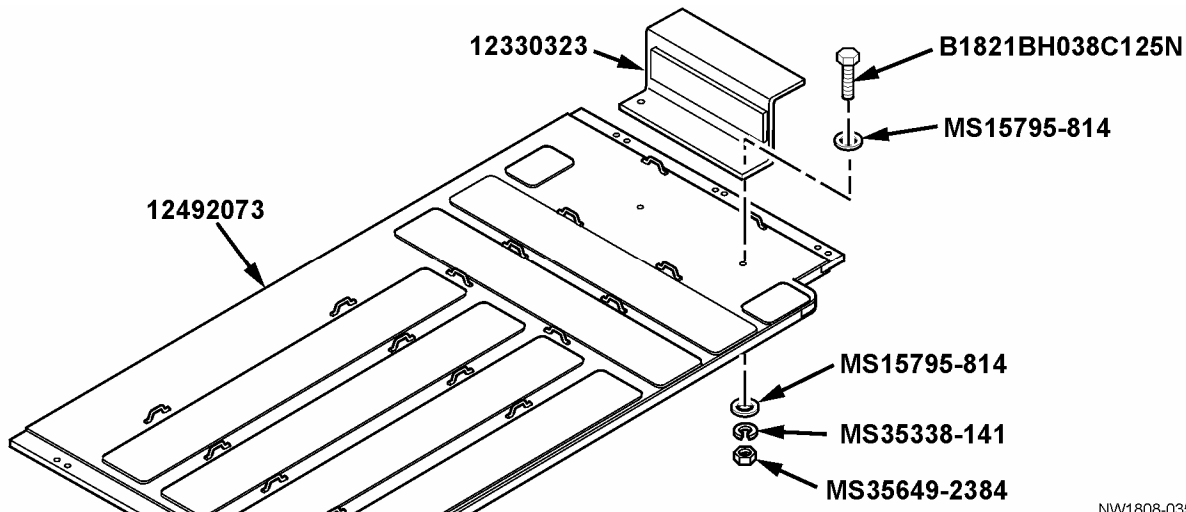
89. Position ammunition stowage rack 12330752 with resilient mounts 12330367 against stowage rack posts. Install resilient mounts 12330367 on three mounting brackets 12492087 with twelve hexagon head capscrews B1821BH025C125N (kit 57K3270), lockwashers MS35338-139 (kit 57K3270), and flat washers MS15795-852 (kit 57K3270). Do not tighten hardware.

90. Install resilient mounts 12330367 (kit 57K3270) on structural sections 12330738 and 12329712 with eight hexagon head capscrews B1821BH025C125N (kit 57K3270), lockwashers MS35338-139 (kit 57K3270), and flat washers MS15795-852 (kit 57K3270). Do not tighten hardware.

91. Tighten all ammunition stowage rack, mounting bracket, and resilient mount hardware.



92. Install double angle bracket 12330323 on middle shelf 12492073 (kit 57K3270) with two hexagon head capscrews B1821BH038C125N (kit 57K3270), lockwashers MS35338-141 (kit 57K3270), four flat washers MS15795-814 (kit 57K3270), and two plain hexagon nuts MS35649-2384 (kit 57K3270).



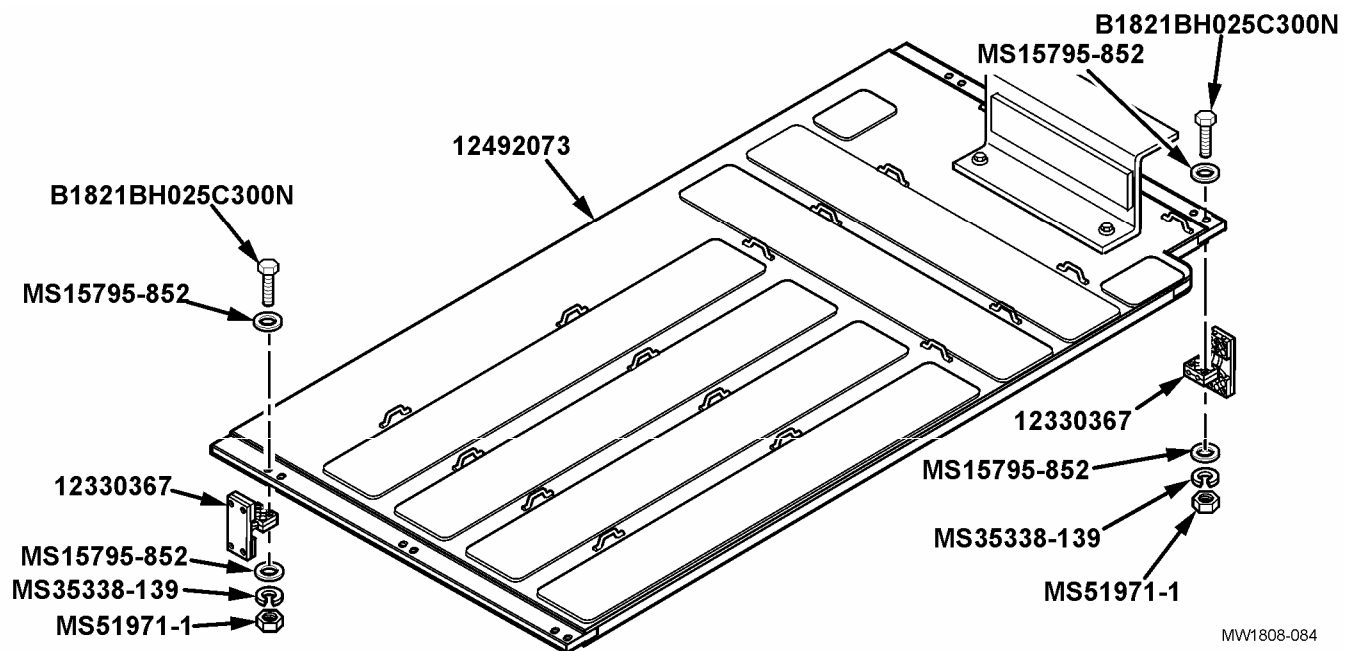
10. MODIFICATION PROCEDURES (continued).

g. Installation (continued).

CAUTION

All resilient mounts are equipped with wooden dowels used for alignment when installing the storage shelves. Do not remove the dowels until inserting shelf mounting hardware. Doing so will result in the misalignment of the resilient mount.

93. Place middle shelf 12492073 on workbench. Install six resilient mounts 12330367 (kit 57K3270) onto middle shelf 12492073 with twenty-four flat washers MS15795-852 (kit 57K3270), twelve hexagon head capscrews B1821BH025C300N (kit 57K3270), lockwashers MS35338-139 (kit 57K3270), and plain hexagon nuts MS51971-1 (kit 57K3270).



MW1808-084

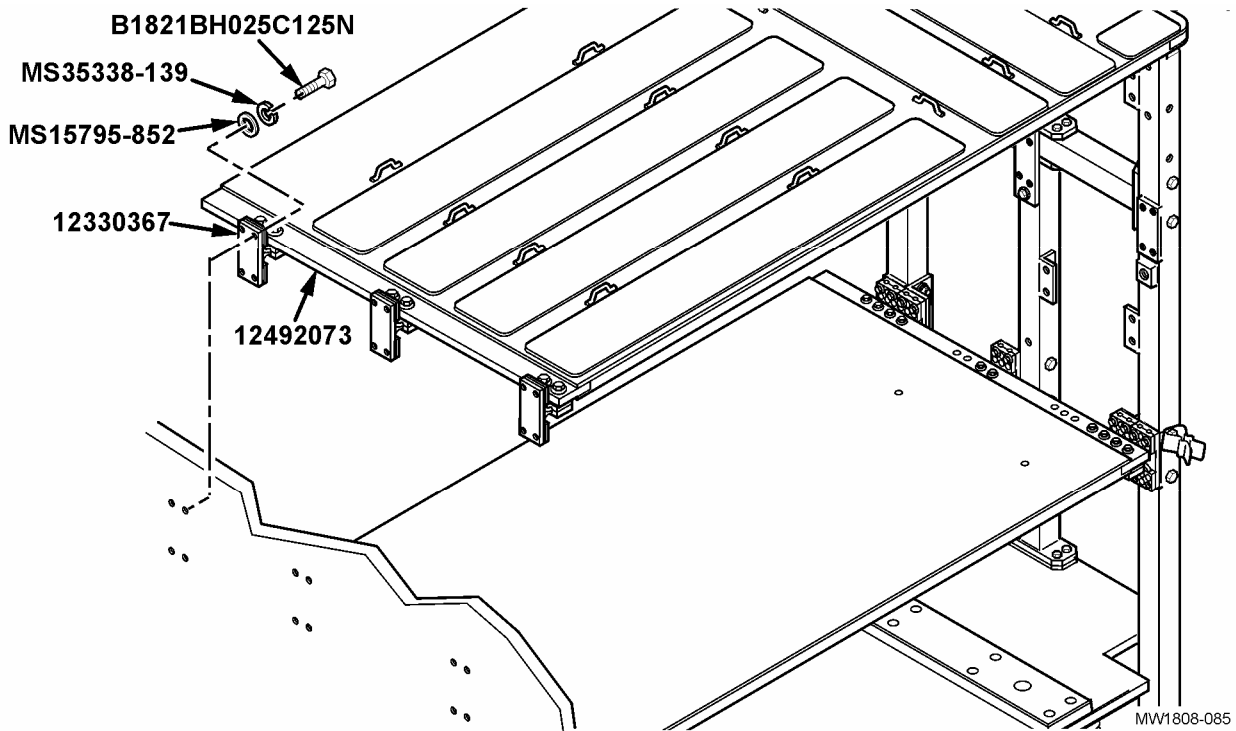
10. MODIFICATION PROCEDURES (continued).

g. Installation (continued).

NOTE

Assistance will be needed when installing middle shelf.

94. Position middle shelf 12492073 against left rear hull plate. Install three resilient mounts 12330367 on left rear hull plate with twelve hexagon head capscrews B1821BH025C125N (kit 57K3270), lockwashers MS35338-139 (kit 57K3270), and flat washers MS15795-852 (kit 57K3270). Do not tighten hardware.

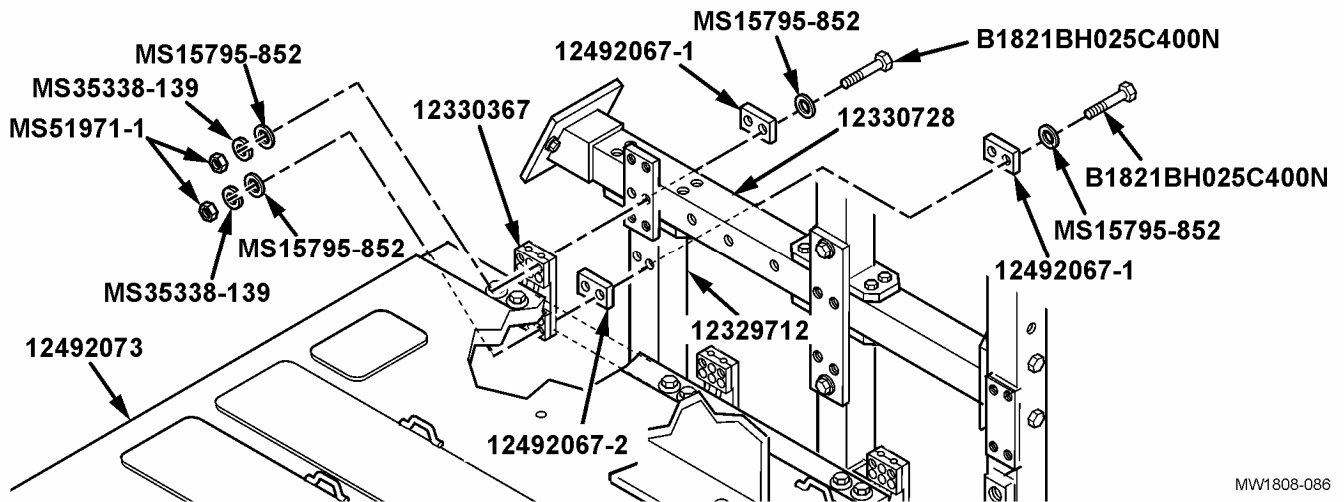


10. MODIFICATION PROCEDURES (continued).

g. Installation (continued).

95. Position middle shelf 12492073 against storage rack post.

96. Install resilient mount 12330367, two shim plates 12492067-1 (kit 57K3270) and shim plate 12492067-2 (kit 57K3270) on mounting bracket 12330728 and structural section 12329712 with four hexagon head capscrews B1821BH025C400N (kit 57K3270), lockwashers MS35338-139 (kit 57K3270), eight flat washers MS15795-852 (kit 57K3270) and four plain hexagon nuts MS51971-1 (kit 57K3270). Do not tighten hardware.

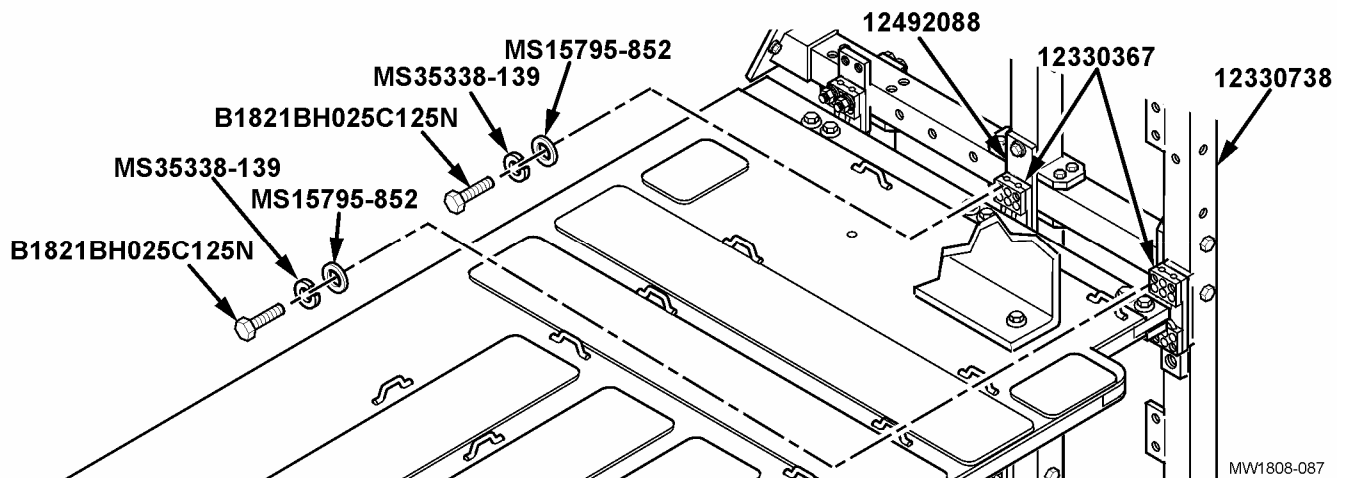


MW1808-086

97. Install resilient mount 12330367 on plate 12492088 with four hexagon head capscrews B1821BH025C125N (kit 57K3270), lockwashers MS35338-139 (kit 57K3270), and flat washers MS15795-852 (kit 57K3270). Do not tighten hardware.

98. Install resilient mount 12330367 on structural section 12330738 with four hexagon head capscrews B1821BH025C125N (kit 57K3270), lockwashers MS35338-139 (kit 57K3270), and flat washers MS15795-852 (kit 57K3270). Do not tighten hardware.

99. Tighten all ammunition storage rack, mounting bracket, and resilient mount hardware.



MW1808-087

10. MODIFICATION PROCEDURES (continued).

g. Installation (continued).

NOTE

Assistance will be needed when installing honeycomb assembly.

100. Install honeycomb lift adapter assembly 12492082 on 2X8 honeycomb assembly 12489005 (kit 57K3270).

101. Attach lifting beam assembly 12492104 to lift honeycomb adapter assembly 12492082.

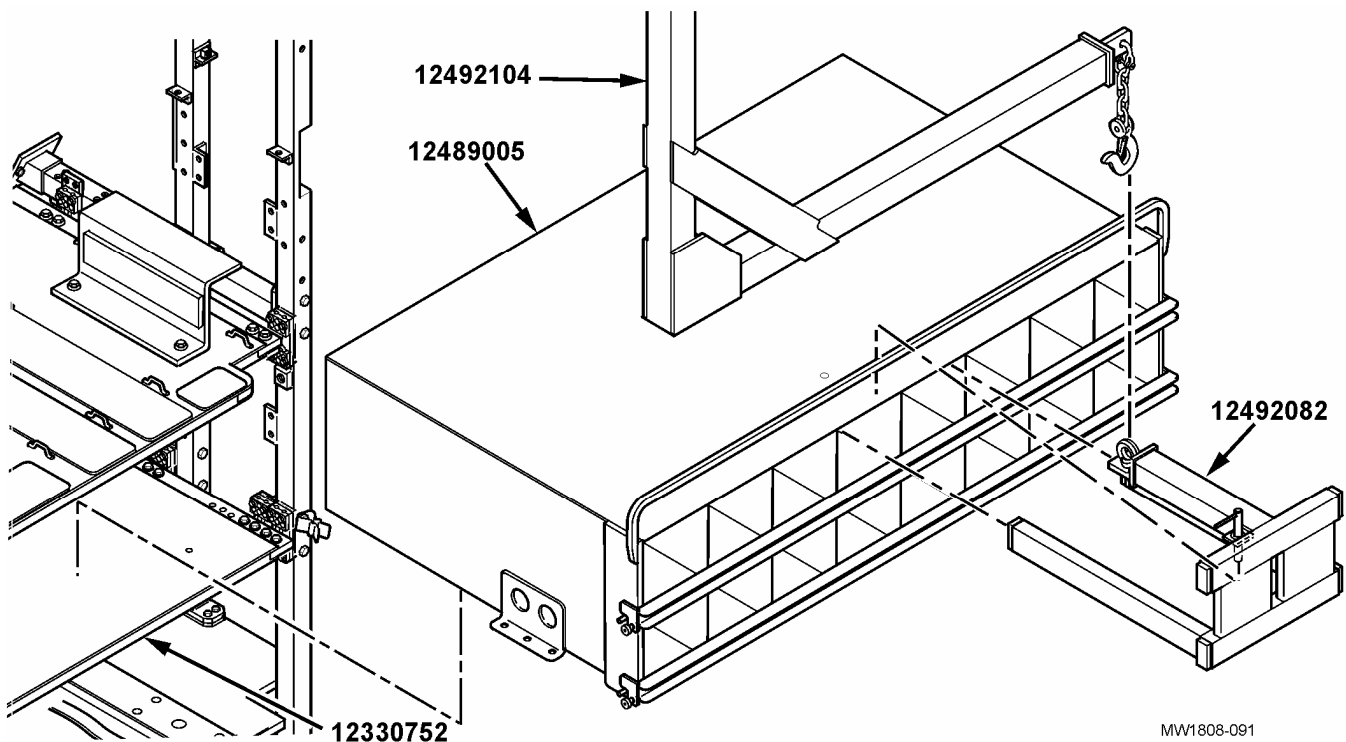
WARNING

Personnel must stand clear during lifting operations. A swinging or shifting load may cause injury to personnel or damage to equipment.

WARNING

Use caution when disconnecting the lift beam assembly. Lift beam assembly may suddenly shift position causing injury to personnel or damage to the equipment.

102. Raise 2X8 honeycomb assembly 12489005 and position on ammunition stowage rack 12330752. Carefully remove honeycomb lift beam assembly 12492104 from honeycomb lift adapter assembly 12492082.



MW1808-091

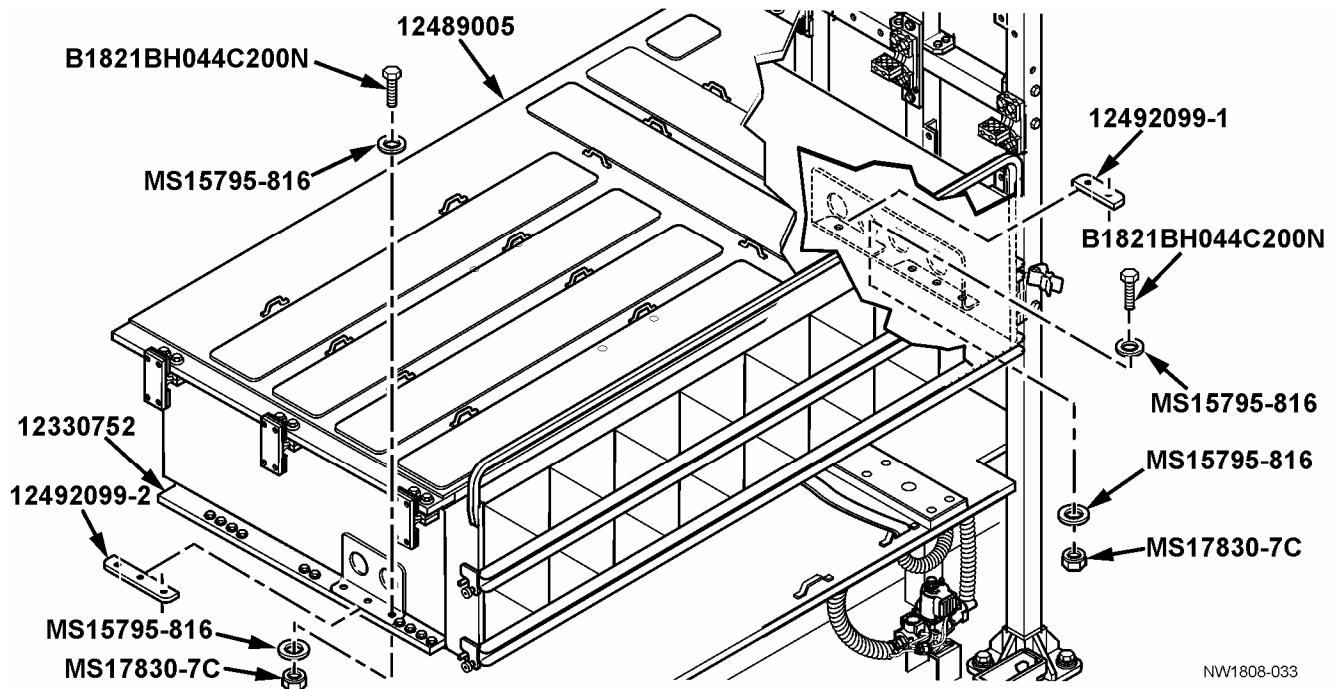
10. MODIFICATION PROCEDURES (continued).

g. Installation (continued).

NOTE

To ensure the honeycomb is installed properly, only shim areas between the honeycomb and shelf that do not have direct contact. Do not support the weight of the honeycomb by shimming alone.

103. Shim using 12492099-1 and 12492099-2 (Table 6-2) as necessary so the gap between the honeycomb and shelf is filled. Align shims and 2x8 honeycomb assembly 12489005 with holes in ammunition storage rack 12330752 and install with eight hexagon head capscrews B1821BH044C200N (kit 57K3270), sixteen flat washers MS15795-816 (kit 57K3270), and eight self-locking nuts MS17830-7C (kit 57K3270).

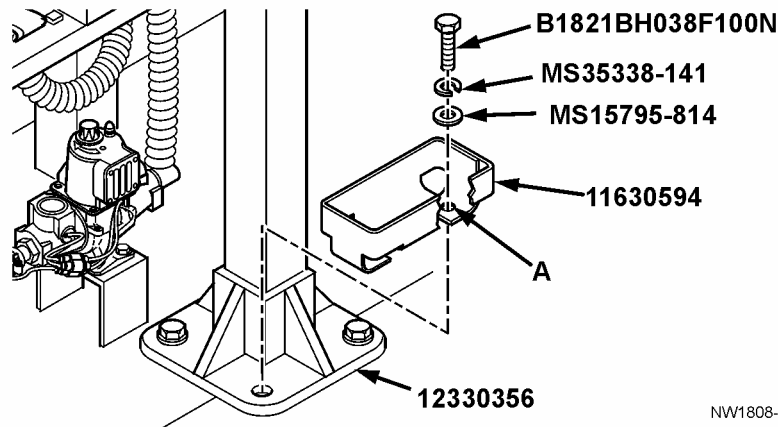


NW1808-033

10. MODIFICATION PROCEDURES (continued).

g. Installation (continued).

104. Remove hexagon head capscrew B1821BH038F100N, lockwasher MS35338-140, and flat washer MS15795-812 from mounting bracket 12330356, as shown. Retain hexagon head capscrew. Set lockwasher and flat washer aside for disposition.
105. Obtain rifle mounting support 11630594 (kit 57K3270). Enlarge hole in rifle mounting support marked A to 0.438-inch, as shown.
106. Install rifle mounting support 11630594 on mounting bracket 12330356 with hexagon head capscrew B1821BH038F100N previously removed, lockwasher MS35338-141 (kit 57K3270), and flat washer MS15795-814 (kit 57K3270).



NW1808-036

10. MODIFICATION PROCEDURES (continued).

- g. Installation (continued).

WARNING

Solvent cleaning compound is an environmentally compliant product and is low in toxicity. However, it may be irritating to the eyes and skin due to its base stock. The use of protective gloves and goggles is required. Use the solvent cleaning compound in well-ventilated areas and keep away from open flames and other sources of ignition.

107. Using solvent cleaning compound and rags, clean all adhesive and shim residue from door channel in frame.

WARNING

Adhesives can burn easily, can give off harmful vapors, and are harmful to skin and clothing. To avoid injury or death, keep away from open fire and use in a well-ventilated area. If adhesive gets on skin or clothing, wash immediately with soap and water.

NOTE

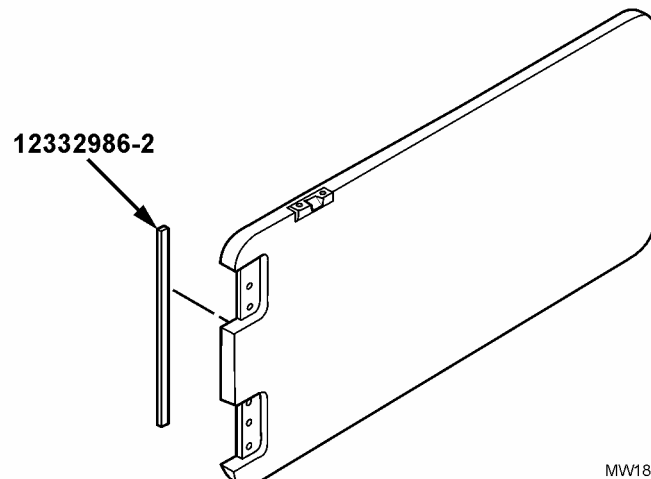
Perform steps 108 and 109 for vehicles S/N 1 through 33.

108. Apply adhesive MMM-A-1617 to mounting surface of hinge seal and seal channel of right rear canister door. Allow adhesive to dry until tacky.

CAUTION

Avoid stretching or bunching seal. Sealing will be ineffective.

109. Install middle of hinge seal 12332986-2 (Table 6-2) on hinge seal channel of canister door, then work toward top and bottom of canister door.



MW1801-094

VEHICLES S/N 1 THROUGH 33

10. MODIFICATION PROCEDURES (continued).

- g. Installation (continued).

WARNING

Adhesives can burn easily, can give off harmful vapors, and are harmful to skin and clothing. To avoid injury or death, keep away from open fire and use in a well-ventilated area. If adhesive gets on skin or clothing, wash immediately with soap and water.

110. Apply adhesive MMM-A-1617 to mounting surfaces of door channel, shim 12351749-3 (kit 57K3270), and seal 12329406-3 (kit 57K3270). Allow adhesive to dry until tacky.

NOTE

On vehicles S/N 1 through 33 the shim and seal are installed on the channel of the canister door 12333470, as shown below. For best results, do not stretch or bunch shim or seal during installation.

111. Press shim 12351749-3 into door channel, working from one end of shim 12351749-3 at bottom center of doorframe. Work around doorframe until ends of shim 12351749-3 meet. If necessary, trim ends of shim 12351749-3 to obtain smooth fit.
112. Apply adhesive MMM-A-1617 to front face of shim 12351749-3, and allow adhesive to dry until tacky.
113. Install seal 12329406-3 on shim 12351749-3, with rounded side of seal 12329406-3 facing out. Start at bottom center of doorframe and work around doorframe until seal 12329406-3 is installed. If necessary, trim end of seal to obtain a smooth fit.
114. Press seal 12329406-3 into firm contact with shim 12351749-3. Start at top center of seal 12329406-3 and work down both sides at once.

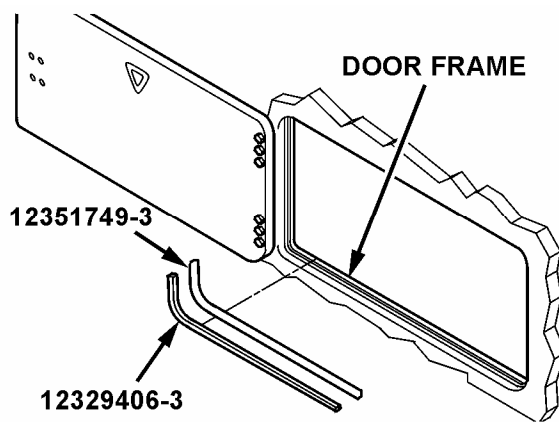
10. MODIFICATION PROCEDURES (continued).

- g. Installation (continued).

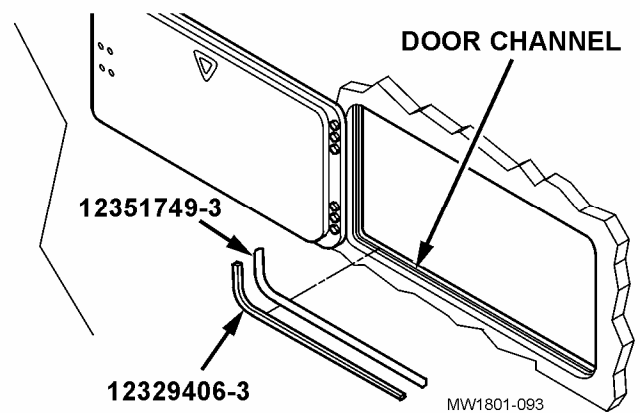
WARNING

Solvent cleaning compound is an environmentally compliant product and is low in toxicity. However, it may be irritating to the eyes and skin due to its base stock. The use of protective gloves and goggles is required. Use the solvent cleaning compound in well-ventilated areas and keep away from open flames and other sources of ignition.

115. Wipe seal with solvent cleaning compound and rag to remove any adhesive from rounded edge of seal 12329406-3.



VEHICLES S/N 1 THROUGH 33



VEHICLES S/N 34 AND ABOVE

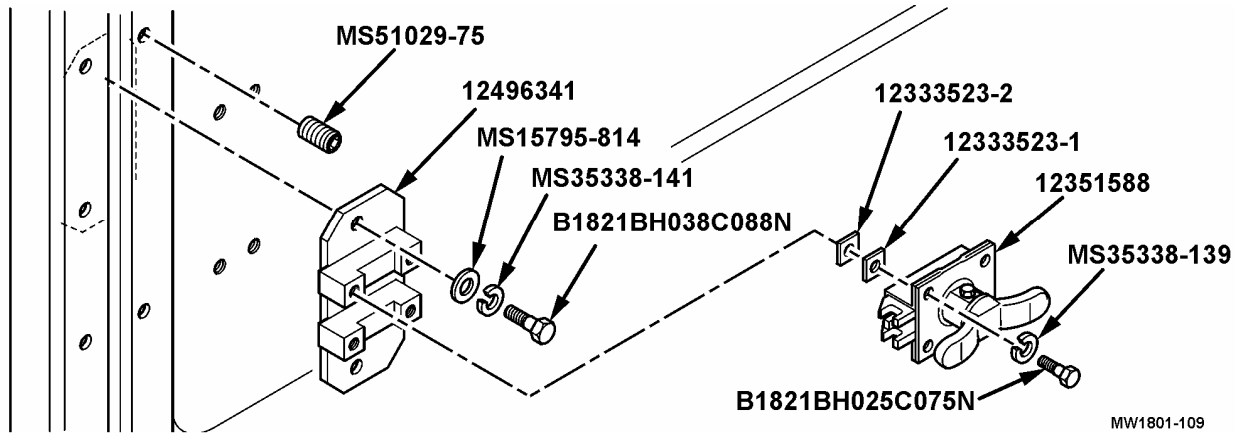
10. MODIFICATION PROCEDURES (continued).

g. Installation (continued).

NOTE

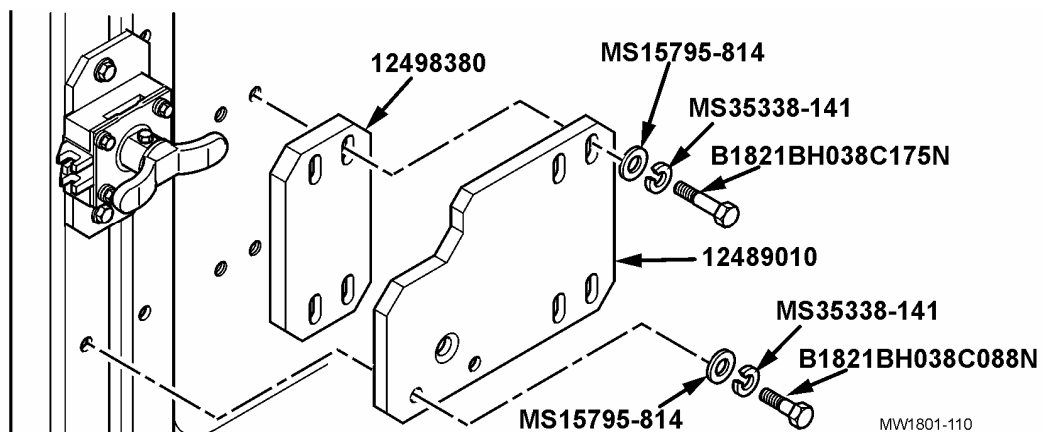
Perform steps 116 through 120 for vehicles S/N 1 through 33.

- 116. Install setscrew MS51029-75 (Table 6-2) on hull, as shown.
- 117. Install latch mounting plate 12496341 on hull with two hexagon head capscrews B1821BH038C088N (kit 57K3270), lockwashers MS35338-141 (kit 57K3270), and flat washers MS15795-814 (kit 57K3270).
- 118. Install rim latch 12351588 (kit 57K3270) on latch mounting plate 12496341 with four flat washers 12333523-2 (kit 57K3270), flat washers 12333523-1 (kit 57K3270), hexagon head capscrews B1821BH025C075N (kit 57K3270), and lockwashers MS35338-139 (kit 57K3270).



VEHICLES S/N 1 THROUGH 33

- 119. Close canister door. Install spacer plate 12498380 (Table 6-2) and plate 12489010 (kit 57K3270) on right canister door with four hexagon head capscrews B182BH038C175N (Table 6-2), lockwashers MS35338-141 (kit 57K3270), and flat washers MS15795-814 (kit 57K3270).
- 120. Install plate 12489010 to hull with two hexagon head capscrews B1821BH038C088N (kit 57K3270), lockwashers MS35338-141 (Table 6-2), and flat washers MS15795-814 (Table 6-2).



VEHICLES S/N 1 THROUGH 33

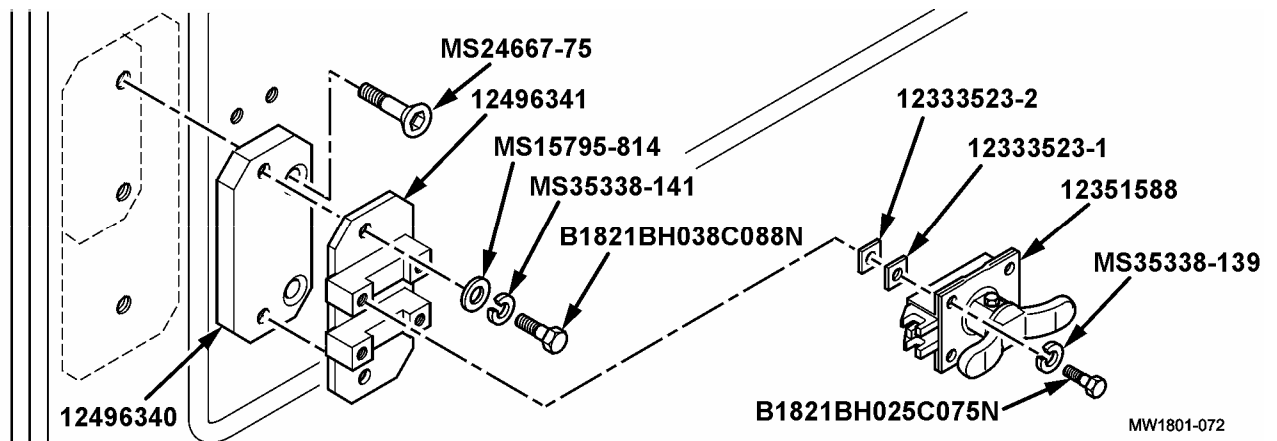
10. MODIFICATION PROCEDURES (continued).

g. Installation (continued).

NOTE

Perform steps 121 through 125 for vehicles S/N 34 and above.

121. Install spacer plate 12496340 (kit 57K3270) on hull with two socket head screws MS24667-75 (kit 57K3270).
122. Install latch mounting plate 12496341 (kit 57K3270) on spacer plate 12496340 with two hexagon head capscrews B1821BH038C088N (kit 57K3270), lockwashers MS35338-141 (kit 57K3270), and flat washers MS15795-814 (kit 57K3270).
123. Install rim latch 12351588 (kit 57K3270) on latch mounting plate 12496341 with four flat washers 12333523-2 (kit 57K3270), flat washers 12333523-1 (kit 57K3270), hexagon head capscrews B1821BH025C075N (kit 57K3270), lockwashers MS35338-139 (kit 57K3270).

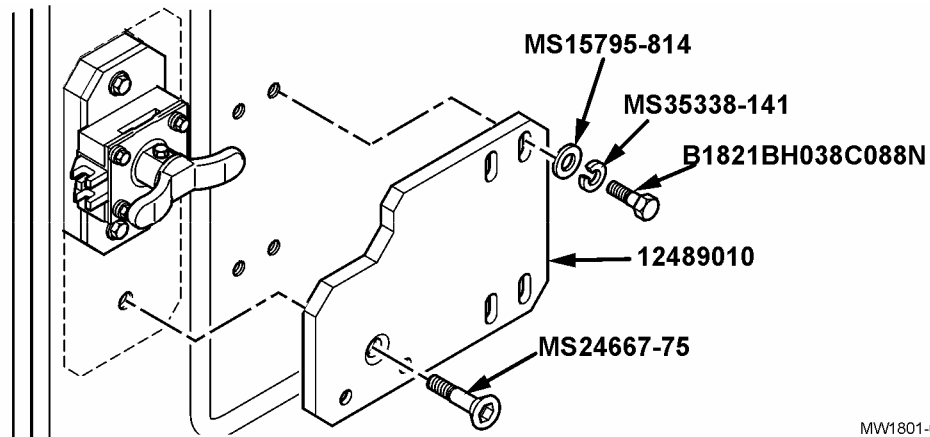
**VEHICLES S/N 34 AND ABOVE**

10. MODIFICATION PROCEDURES (continued).

g. Installation (continued).

124. Close canister door. Install plate 12489010 (kit 57K3270) on right canister door with four hexagon head capscrews B1821BH038C088N (kit 57K3270), lockwashers MS35338-141 (kit 57K3270), and flat washers MS15795-814 (kit 57K3270).

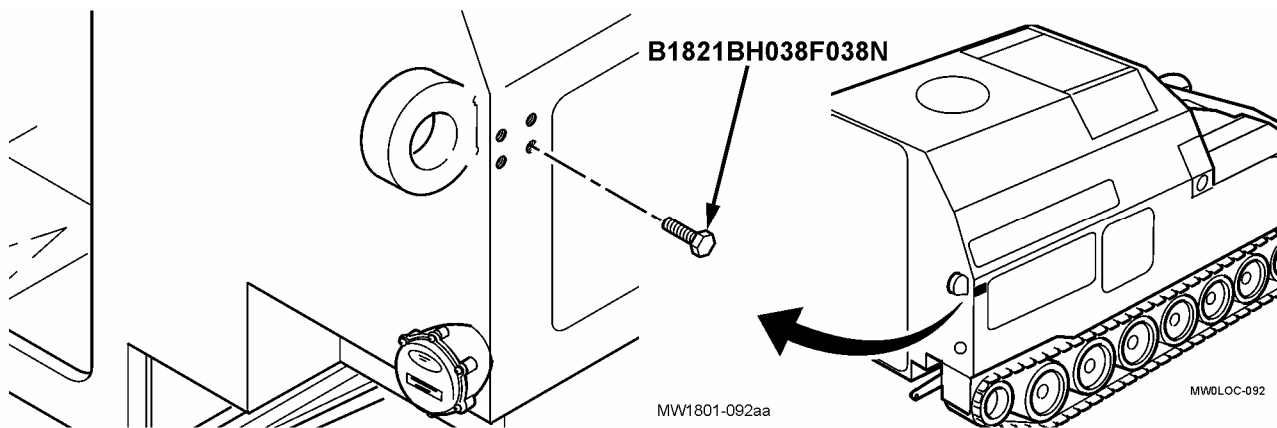
125. Install plate 12489010 to hull with socket head capscrew MS24667-75 (kit 57K3270).



MW1801-095

VEHICLES S/N 34 AND ABOVE

126. Install four hexagon head capscrews B1821BH038F038N (kit 57K3270) to fill locklatch holes, as shown.



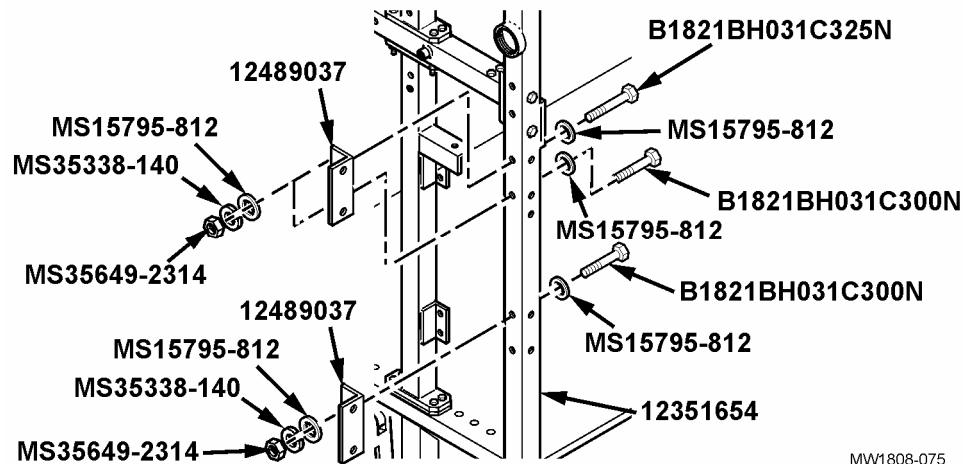
MW1801-092aa

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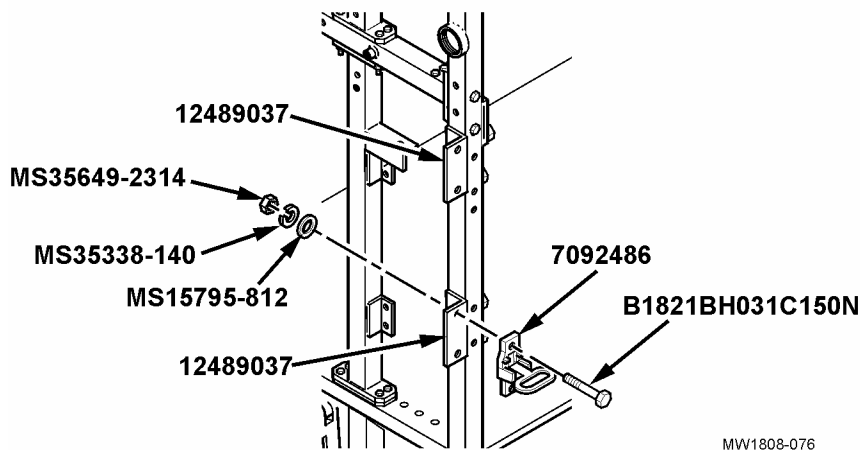
10. MODIFICATION PROCEDURES (continued).

g. Installation (continued).

127. Install upper mounting bracket 12489037 on structural section 12351654 with hexagon head capscrew B1821BH031C325N (kit 57K3270), hexagon head capscrew B1821BH031C300N (kit 57K3270), four flat washers MS15795-812 (kit 57K3270), two lockwashers MS35338-140 (kit 57K3270), and plain hexagon nuts MS35649-2314 (kit 57K3270).
128. Install the lower mounting bracket 12489037 on structural section 12351654 with two hexagon head capscrews B1821BH031C300N, four flat washers MS15795-812, two lockwashers MS35338-140 (kit 57K3270), and plain hexagon nuts MS35649-2314 (kit 57K3270).



129. Install two commander steps 7092486 on mounting brackets 12489037 with four hexagon head capscrews B1821BH031C150N (kit 57K3270), flat washers MS15795-812 (kit 57K3270), lockwashers MS35338-140 (kit 57K3270), and plain hexagon nuts MS35649-2314 (kit 57K3270).



10. MODIFICATION PROCEDURES (continued).

g. Installation (continued).

130. Install honeycomb lift adapter assembly 12496827 on 4X6 honeycomb 12489039 (kit 57K3270) with eight flat washers MS15795-815, four hexagon head capscrews, B1821BH038C200N, lockwashers MS35338-160, and plain hexagon nuts MS51967-8 provided with adapter.

131. Attach lifting beam assembly 12492104 to honeycomb lift adapter assembly 12496827.

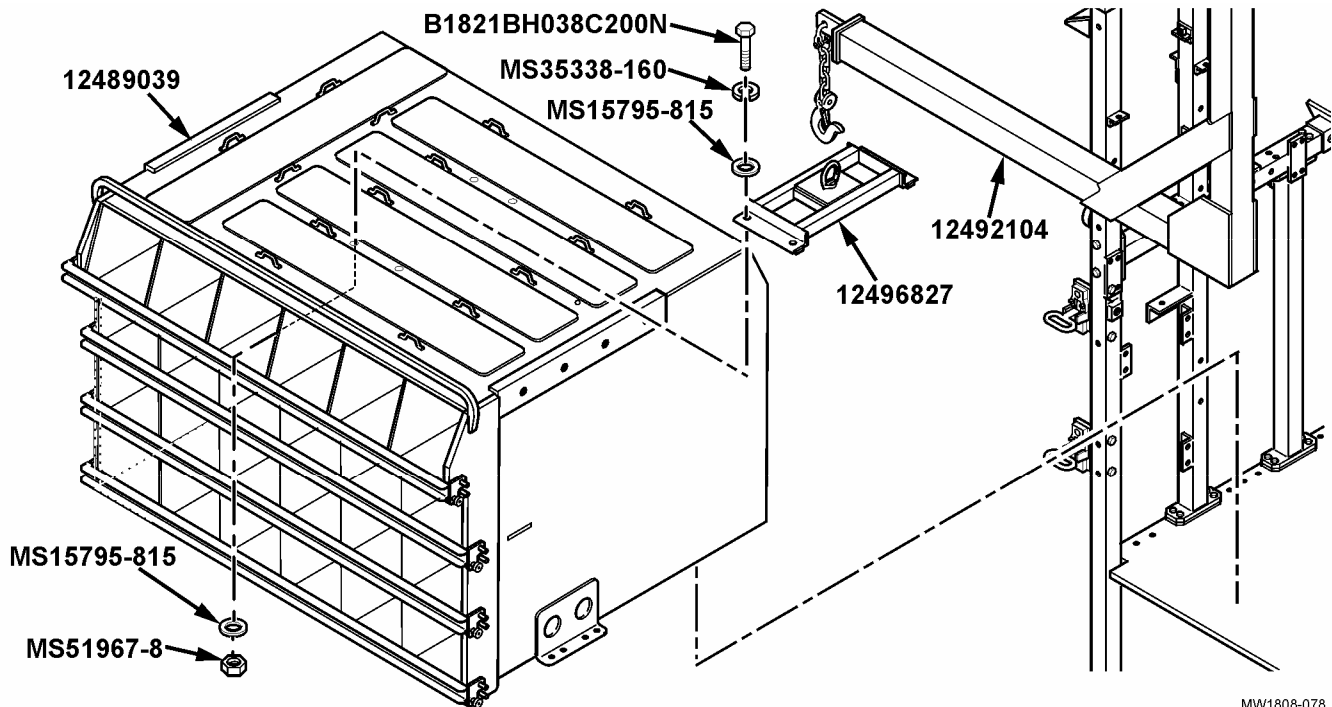
WARNING

Personnel must stand clear during lifting operations. A swinging or shifting load may cause injury to personnel or damage to equipment.

132. Raise 4X6 honeycomb 12489039 and position on right rear sponson.

133. Remove honeycomb lifting beam assembly 12492104 from honeycomb lift adapter assembly 12496827.

134. Remove four plain hexagon nuts, hexagon head capscrews, lockwashers, eight flat washers, and honeycomb lift adapter assembly 12496827 from 4X6 honeycomb 12489039.



MW1808-078

10. MODIFICATION PROCEDURES (continued).

g. Installation (continued).

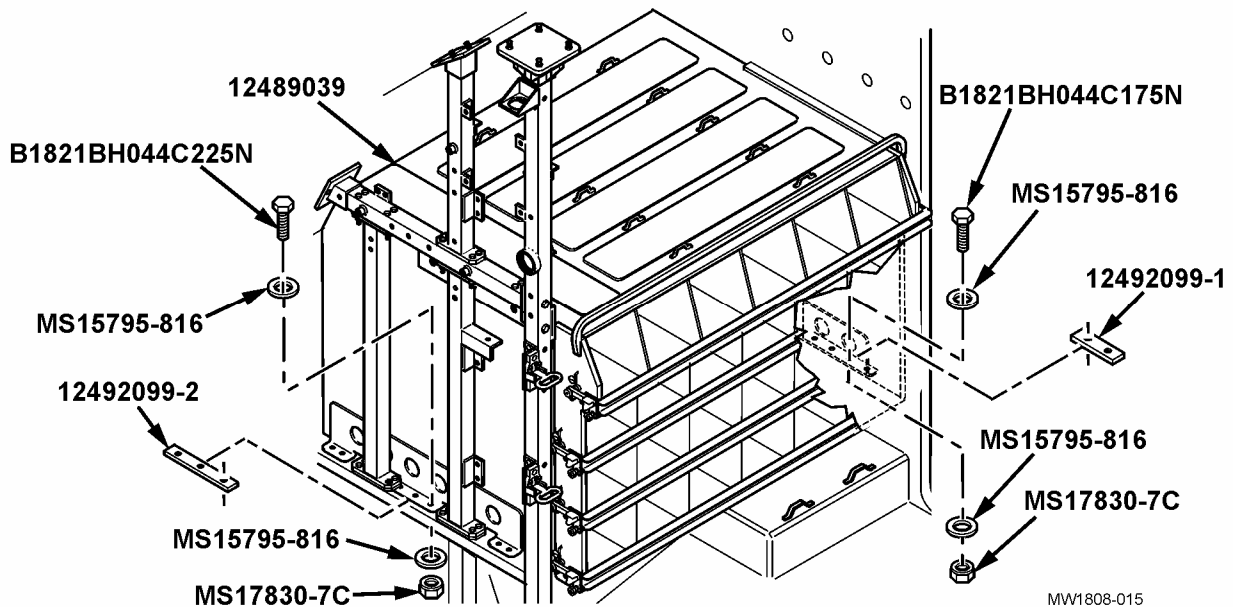
NOTE

To ensure the honeycomb is installed properly, only shim areas between the honeycomb and shelf that do not have direct contact. Do not support the weight of the honeycomb by shimming alone.

NOTE

Do not tighten 4 X 6 honeycomb and support bracket mounting hardware until all hardware items are installed.

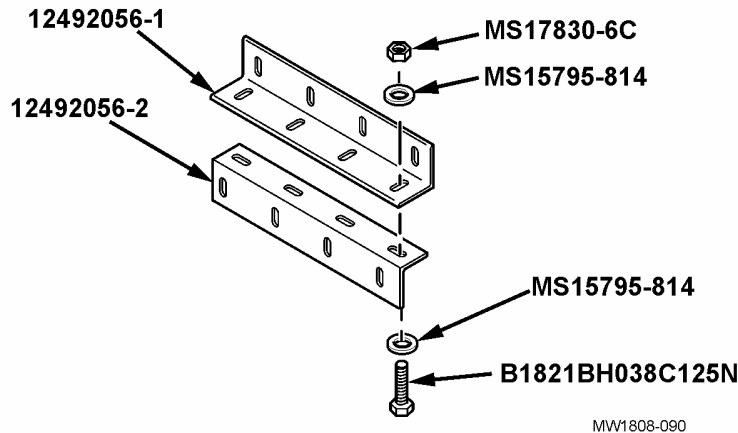
135. Shim using 12492099-1 and 12492099-2 (Table 6-2) as necessary so gap between honeycomb and shelf is filled. Secure the left side using seven hexagon head capscrews B1821BH044C225N (kit 57K3270), fourteen flat washers MS15795-816 (kit 57K3270), and seven self-locking nuts MS17830-7C (kit 57K3270).
136. Secure the right side of the 4x6 honeycomb 12489039 to the sponson using four hexagon head capscrews B1821BH044C175N (kit 57K3270), eight flat washers MS15795-816 (kit 57K3270), and four self-locking nuts MS17830-7C (kit 57K3270).



10. MODIFICATION PROCEDURES (continued).

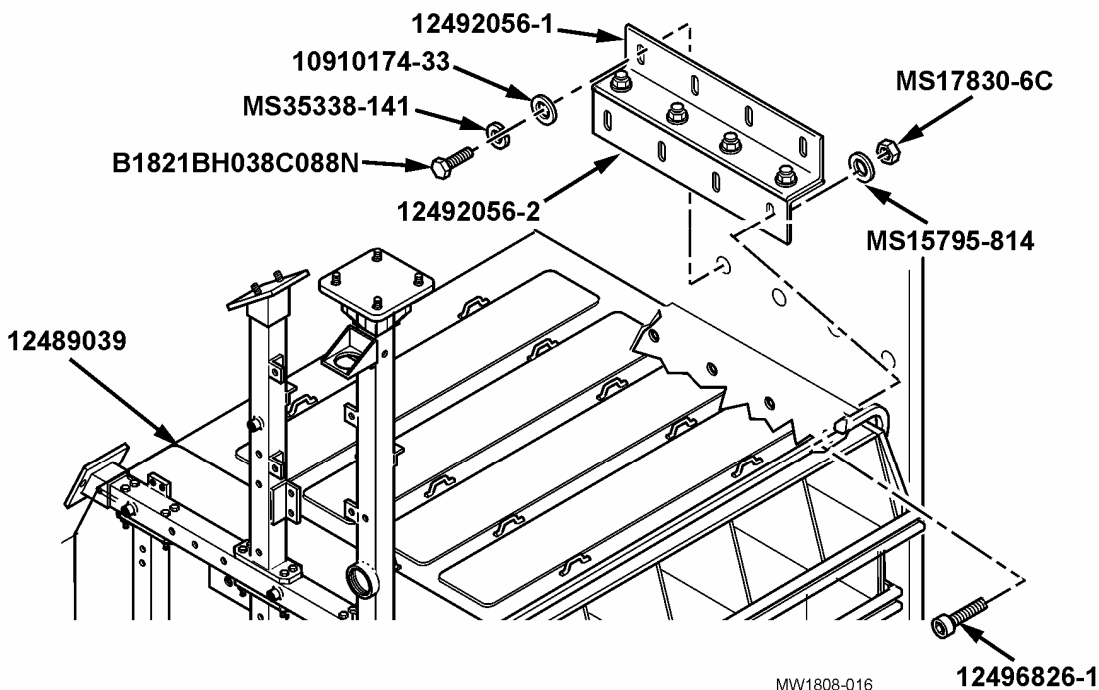
g. Installation (continued).

137. Install angle bracket 12492056-1 (kit 57K3270), to angle bracket 12492056-2 (kit 57K3270) with eight flat washers MS15795-814 (kit 57K3270), four hexagon head capscrews B1821BH038C125N (kit 57K3270), and nuts MS17830-6C (kit 57K3270), as shown.



MW1808-090

138. Install angle bracket 12492056-2 on 4X6 honeycomb 12489039 with four flat washers MS15795-814 (kit 57K3270), socket head capscrews 12496826-1 (kit 57K3270), and plain hexagon nuts MS17830-6C (kit 57K3270), as shown.
139. Adjust angle brackets 12492056-1 and 12492056-2 until angle bracket 12492056-1 seats flush against rear hull plate.
140. Install angle bracket 12492056-1 on hull plate with four hexagon head capscrews B1821BH038C088N (kit 57K3270), flat washers 10910174-33 (kit 57K3270), and lockwashers MS35338-141 (kit 57K3270).

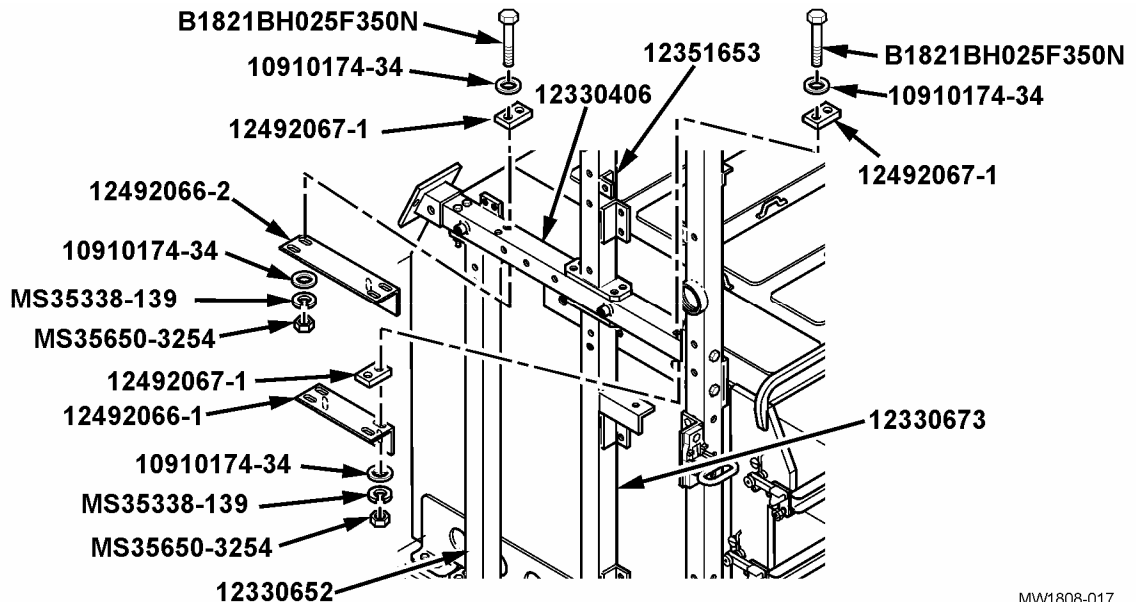


MW1808-016

10. MODIFICATION PROCEDURES (continued).

g. Installation (continued).

141. Remove four existing nuts, lockwashers, and hexagon head capscrews from left structural section 12351653, mounting bracket 12330406, structural section 12330652, and structural section 12330673. Set nuts, lockwashers, and hexagon head capscrews aside for disposition.
142. Install angle bracket 12492066-1 (kit 57K3270) and two shim plates 12492067-1 (kit 57K3270) on structural section 12351653, mounting bracket 12330406, and structural section 12330673 with four hexagon head capscrews B1821BH025F350N (kit 57K3270), eight flat washers 10910174-34 (kit 57K3270), four lockwashers MS35338-139 (kit 57K3270), and plain hexagon nuts MS35650-3254 (kit 57K3270).
143. Remove four existing nuts, lockwashers, and hexagon head capscrews from right structural section 12351653, mounting bracket 12330406, structural section 12330652, and structural section 12330673. Set nuts, lockwashers, and hexagon head capscrews aside for disposition.
144. Install angle bracket 12492066-2 (kit 57K3270) and shim plate 12492067-1 (kit 57K3270) on structural section 12330652, mounting bracket 12330406, and structural section 12330673 with four hexagon head capscrews B1821BH025F350N (kit 57K3270), eight flat washers 10910174-34 (kit 57K3270), four lockwashers MS35338-139 (kit 57K3270), and four plain hexagon nuts MS35650-3254 (kit 57K3270).

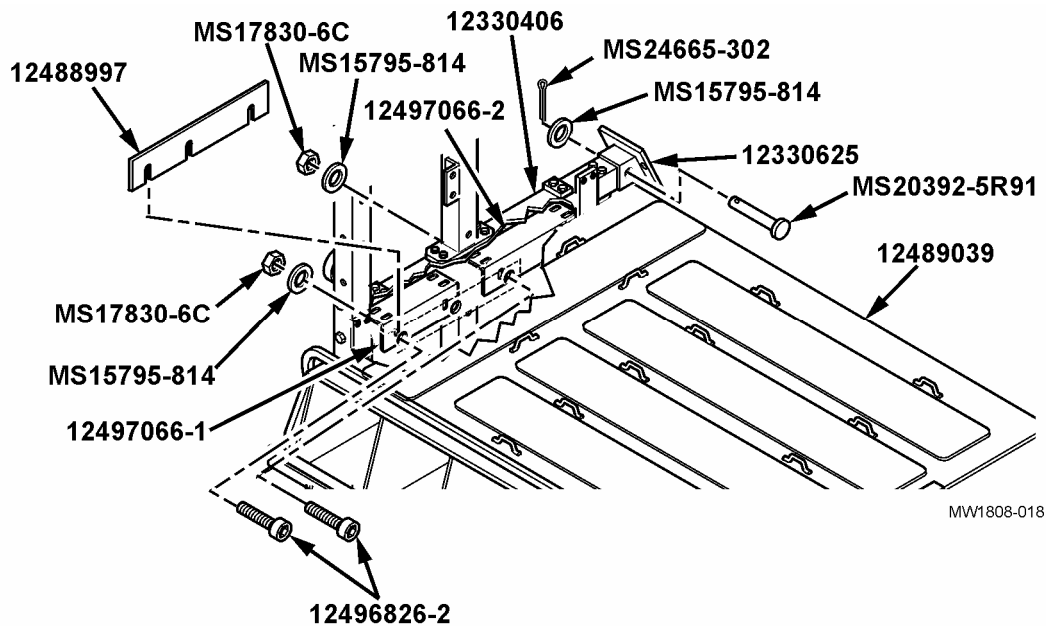


MW1808-017

10. MODIFICATION PROCEDURES (continued).

g. Installation (continued).

- 145. Install angle bracket 12497066-1 and angle bracket 12497066-2 to 4x6 honeycomb 12489039 with three socket head capscrews 12496826-2 (kit 57K3270), flat washers MS15795-814, (kit 57K3270) and self-locking nuts MS17830-6C (kit 57K3270).
- 146. Shim area between angle brackets and 4 X 6 honeycomb using shim 12488997 (Table 6-2), as required.
- 147. Tighten all 4 X 6 honeycomb and support bracket mounting hardware.
- 148. Align holes in non-rotating eye bracket 12330625 and mounting bracket 12330406.
- 149. Install straight headed pin MS20392-5R91 (kit 57K3270) through nonrotating eye bracket 12330625 and mounting bracket 12330406 and secure with cotter pin MS24665-302 (kit 57K3270) and flat washer MS15795-814 (kit 57K3270).

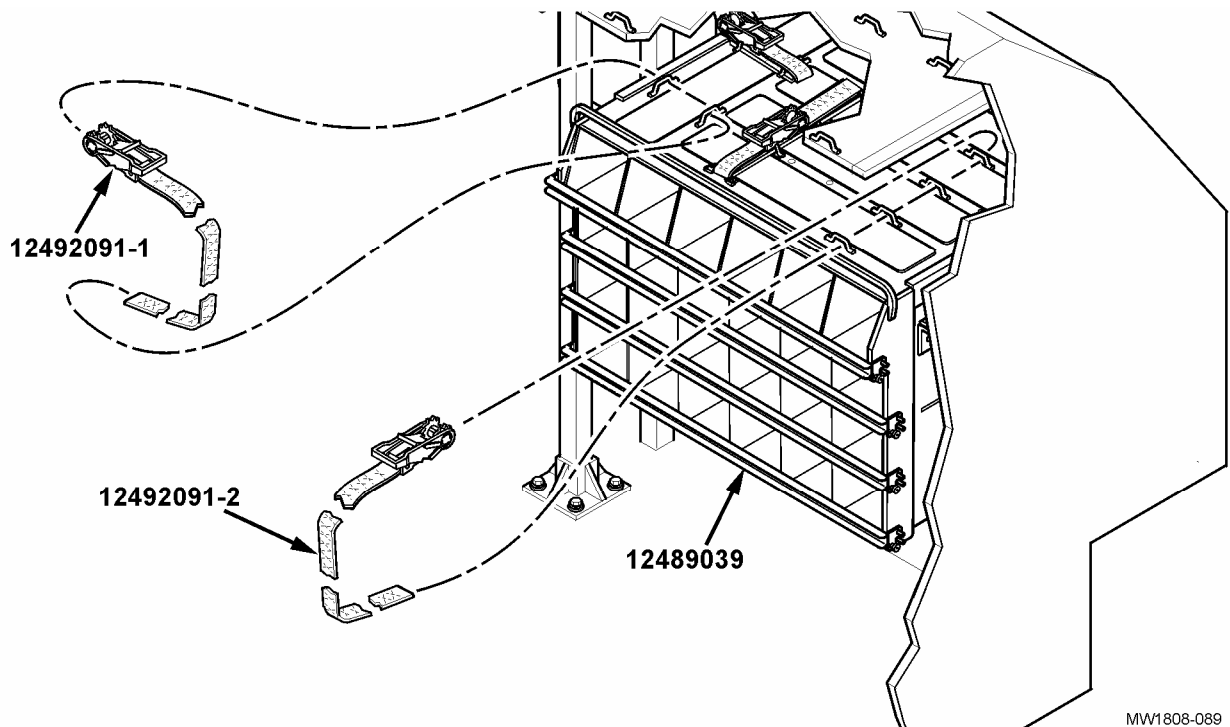


10. MODIFICATION PROCEDURES (continued).

g. Installation (continued).

150. Install two strap assemblies 12492091-1 (kit 57K3270) on 4X6 honeycomb 12489039 as shown.

151. Install two strap assemblies 12492091-2 (kit 57K3270) on 4X6 honeycomb 12489039 as shown.

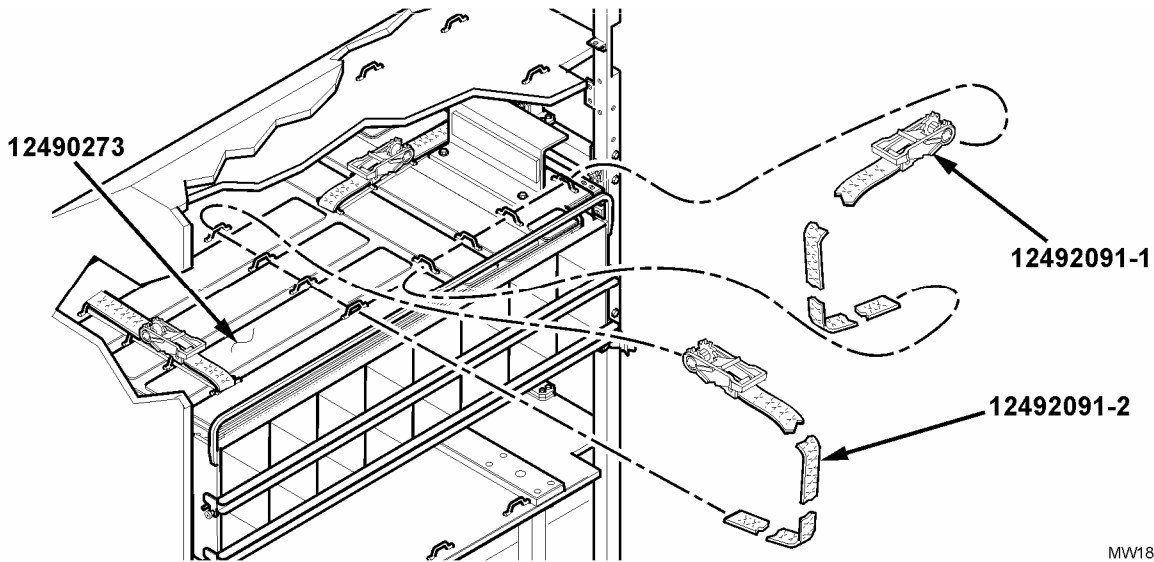


10. MODIFICATION PROCEDURES (continued).

g. Installation (continued).

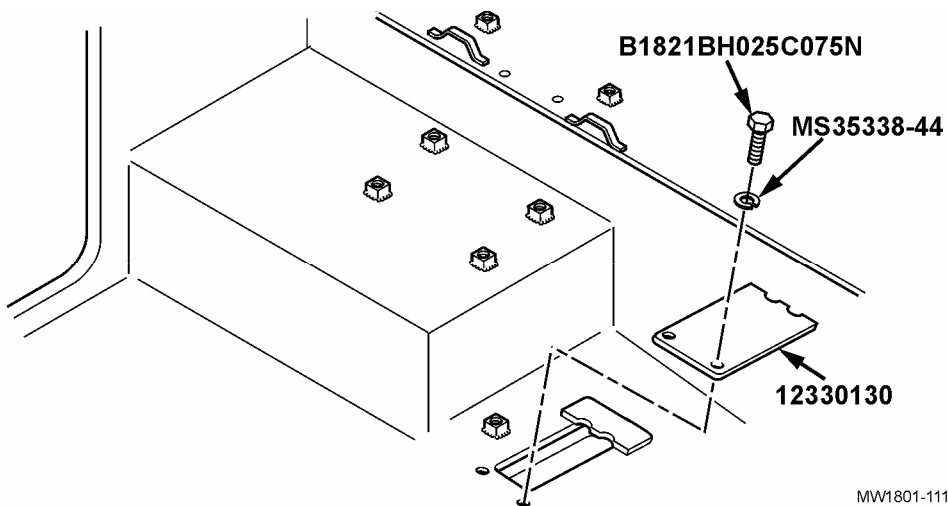
152. Install two strap assemblies 12492091-1 (kit 57K3270) on left upper storage shelf 12490273, as shown.

153. Install two strap assemblies 12492091-2 (kit 57K3270) on left upper storage shelf 12490273, as shown.



MW1808-088

154. Install mounting plate 12330130 on floor with two hexagon head cap screws B1821BH025C075N (kit 57K3270) and lockwashers MS35338-44 (kit 57K3270), as shown.



MW1801-111

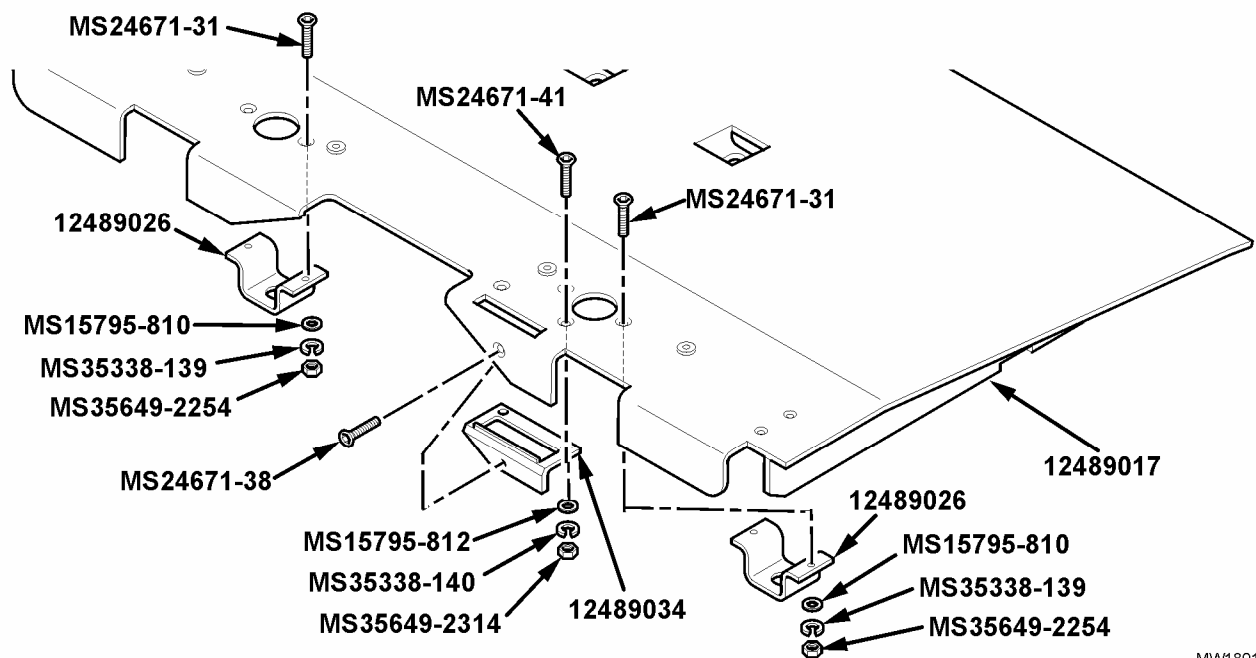
10. MODIFICATION PROCEDURES (continued).

g. Installation (continued).

NOTE

Assistance will be required for the following task.

155. Install reinforcement plate 12489034 (kit 57K3270) on rear floor 12489017 with socket head capscrew MS24671-38 (kit 57K3270), two socket head capscrews MS24671-41 (kit 57K3270), lockwashers MS35338-140 (kit 57K3270), flat washers MS15795-812 (kit 57K3270), and plain hexagon nuts MS35649-2314 (kit 57K3270).
156. Install two front mounting brackets 12489026 (kit 57K3270) on rear floor 12489017 with four socket head capscrews MS24671-31 (kit 57K3270), flat washers MS15795-810 (kit 57K3270), lockwashers MS35338-139 (kit 57K3270), and plain hexagon nuts MS35649-2254 (kit 57K3270).

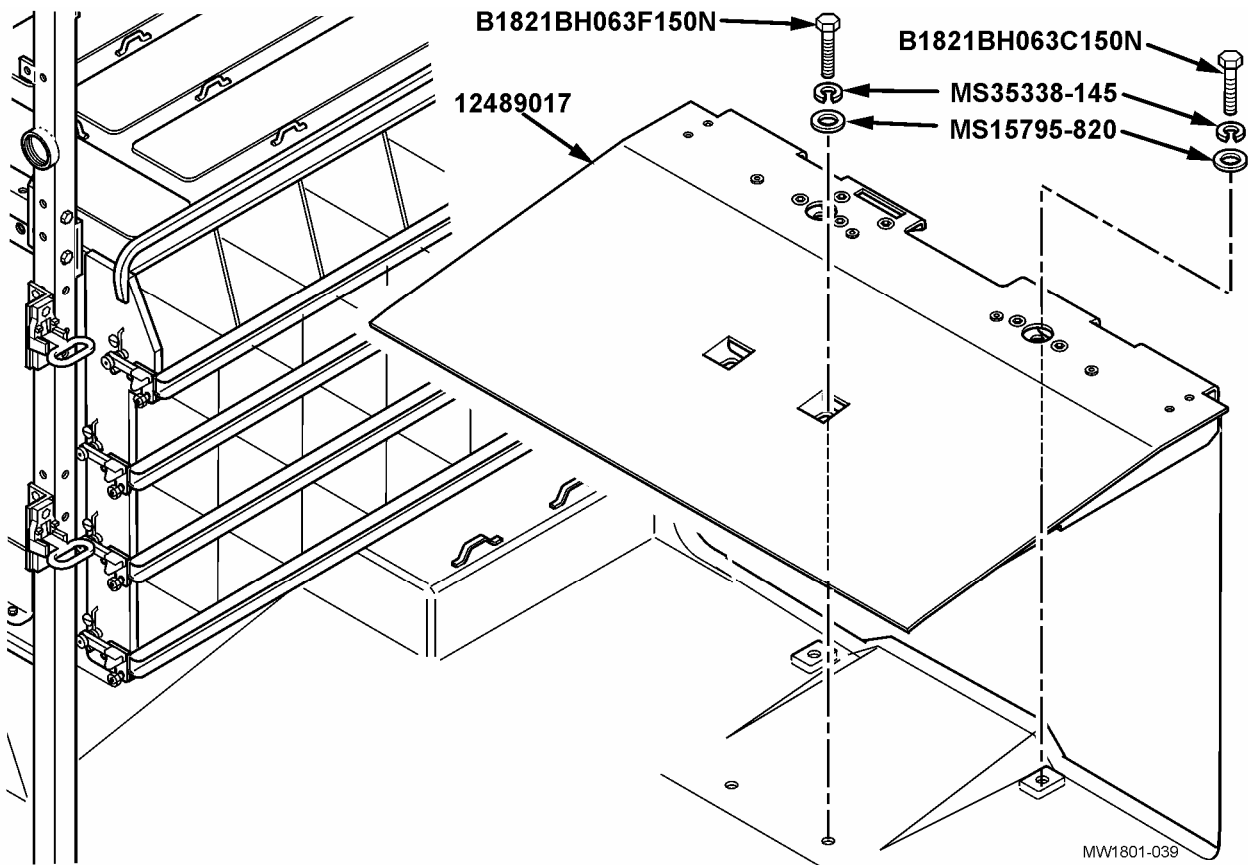


MW1801-038

10. MODIFICATION PROCEDURES (continued).

g. Installation (continued).

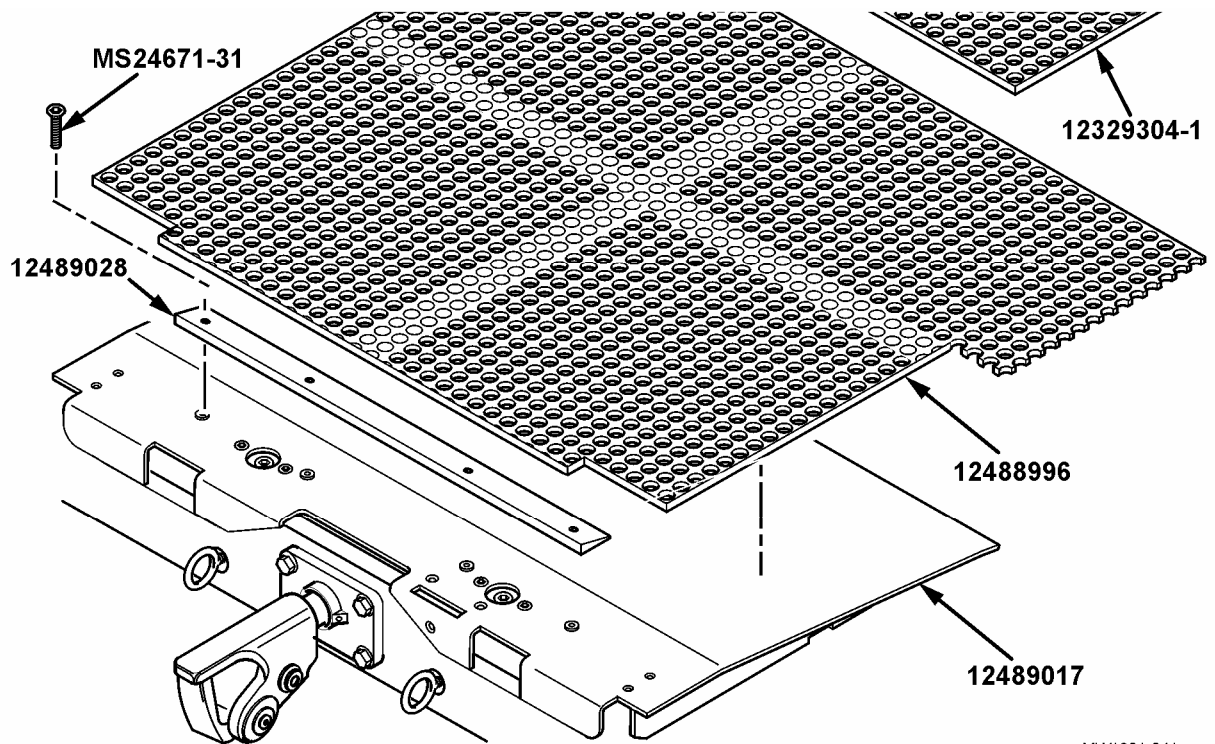
157. Install rear floor 12489017 on hull floor with four flat washers MS15795-820 (kit 57K3270), lockwashers MS35338-145 (kit 57K3270), and two hexagon head capscrews B1821BH063C150N (kit 57K3270) and hexagon head capscrews B1821BH063F150N (kit 57K3270).



10. MODIFICATION PROCEDURES (continued).

g. Installation (continued).

158. Install shim plate 12489028 (kit 57K3270) on rear floor 12489017 with four socket head screws MS24671-31 (kit 57K3270), as shown.
159. Install fatigue mat 12488996 (kit 57K3270) and floor mat 12329304-1 (kit 57K3270) on hull floor.

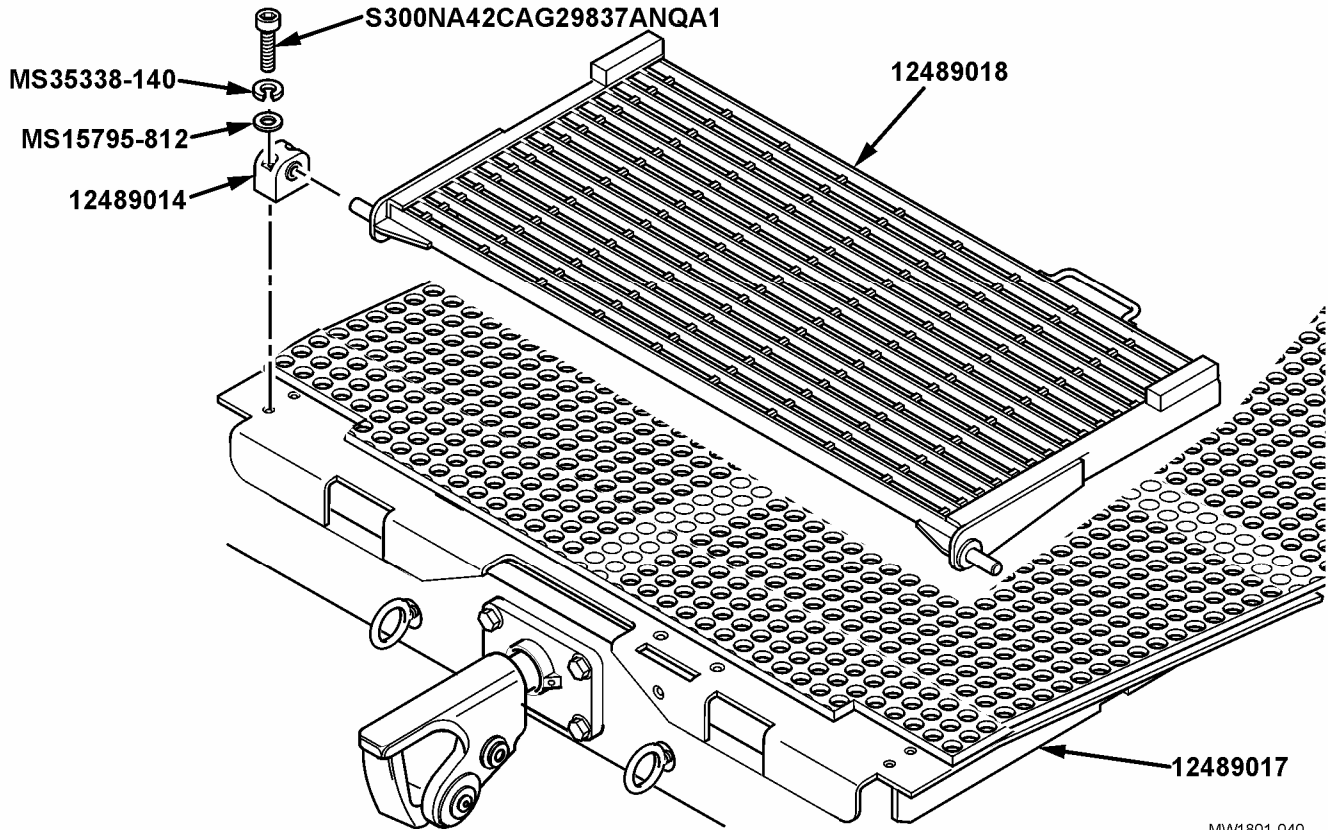


MW1801-041

10. MODIFICATION PROCEDURES (continued).

g. Installation (continued).

160. Place two pillow blocks 12489014 (kit 57K3270) on rear platform 12489018 (kit 57K3270) and install on rear floor 12489017 with four socket head capscrews S300NA42CAG29837ANQA1 (kit 57K3270), lockwashers MS35338-140 (kit 57K3270), and flat washers MS15795-812 (kit 57K3270).



MW1801-040

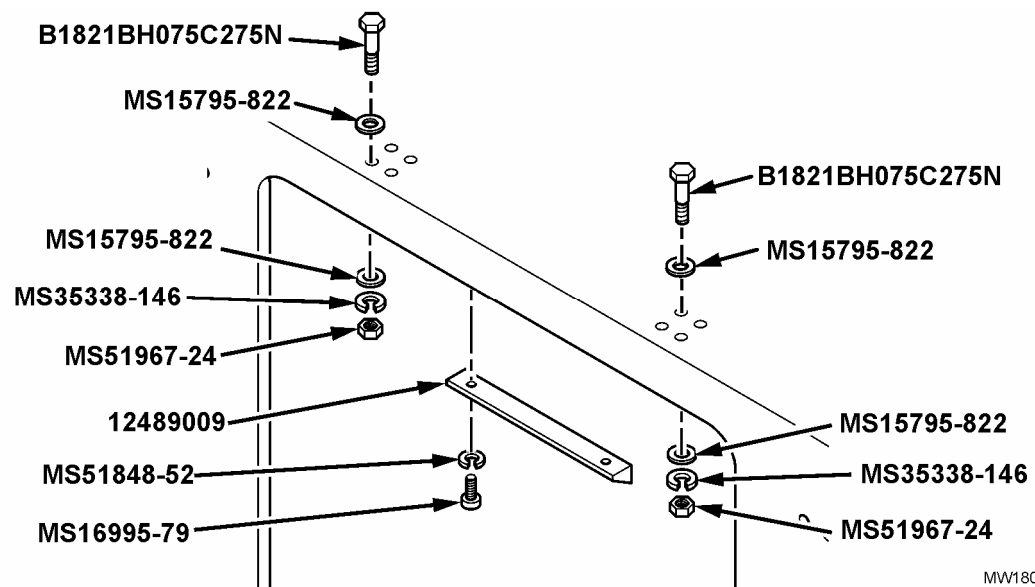
10. MODIFICATION PROCEDURES (continued).

g. Installation (continued).

NOTE

Seal the area between the capscrews and hull using adhesive M46106-11EBN.

161. Install sixteen flat washers MS15795-822 (kit 57K3270), eight hexagon head capscrews B1821BH075C275N (kit 57K3270), lockwashers MS35338-146 (kit 57K3270), and plain hexagon nuts MS51967-24 (kit 57K3270) on hull roof.
162. Install upper rear door striker 12489009 on hull with two socket head capscrews MS16995-79 (kit 57K3270) and lockwashers MS51848-52 (kit 57K3270).

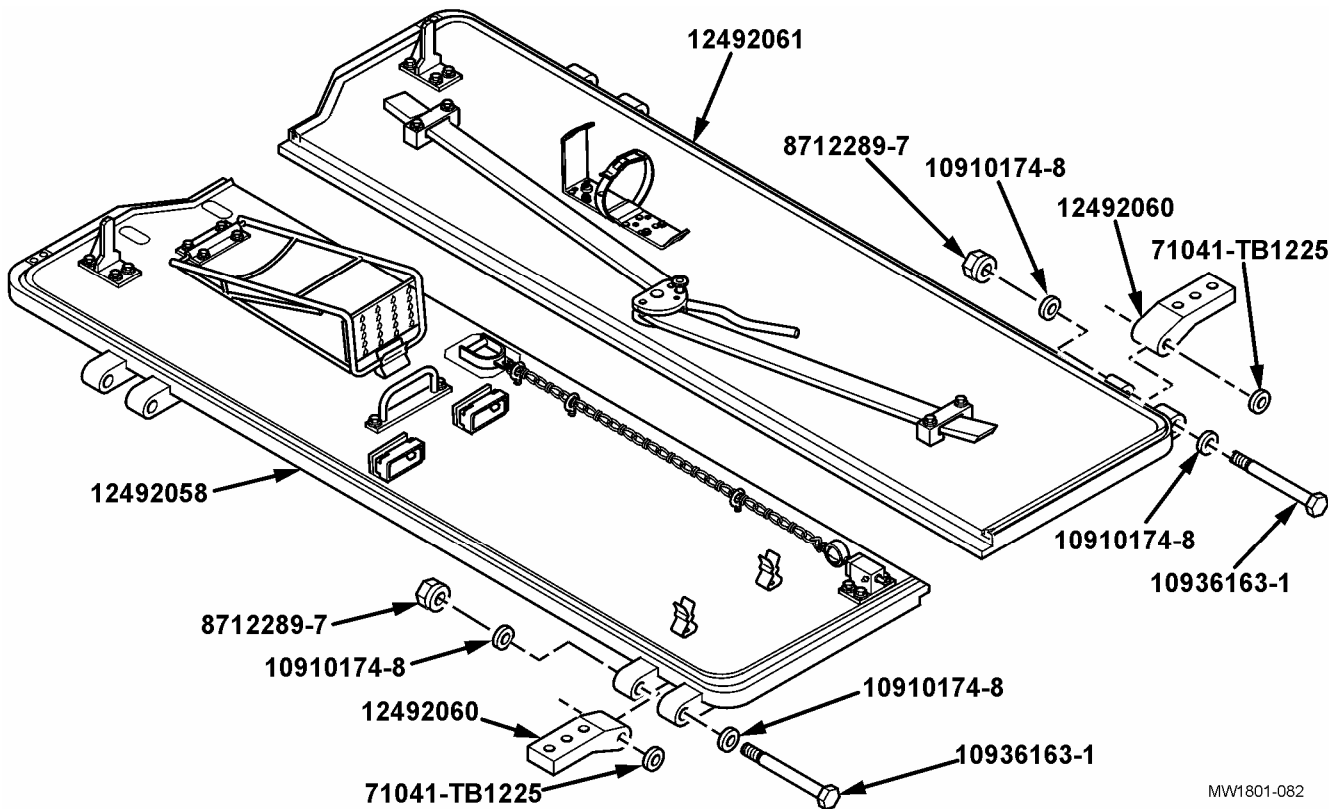


10. MODIFICATION PROCEDURES (continued).

g. Installation (continued).

163. Apply lubricating oil MIL-PRF-2104 to shank of four hexagon head capscrews 10936163-1 (kit 57K3270).

164. Install two rear door vehicle hinges 12492060 (kit 57K3270) on left rear door 12492058 (kit 57K3270) and right rear door 12492061 (kit 57K3270) with four thrust washers 71041-TB1225 (kit 57K3270), four hexagon head capscrews 10936163-1, eight flat washers 10910174-8 (kit 57K3270), and four self-locking nuts 8712289-7 (kit 57K3270).



MW1801-082

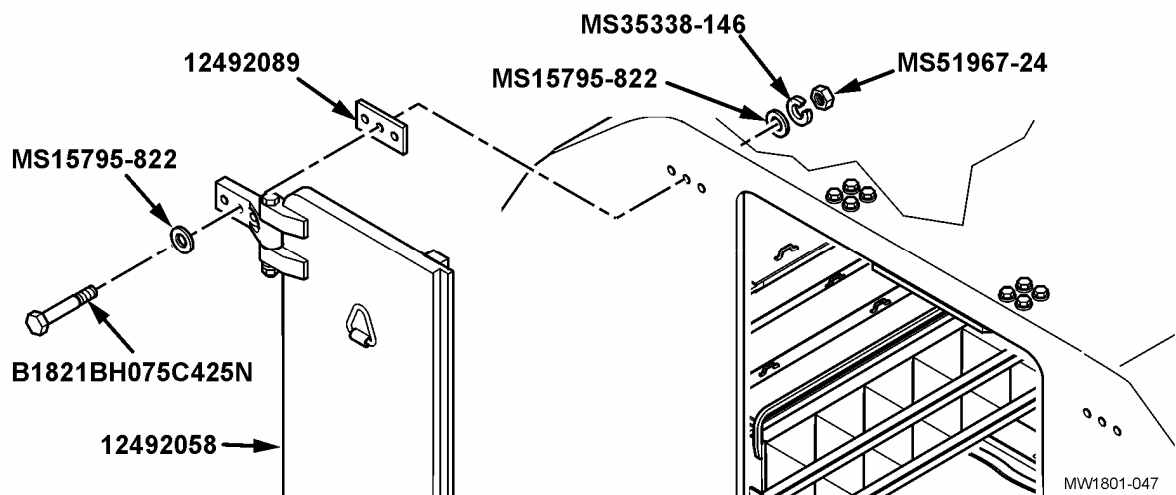
10. MODIFICATION PROCEDURES (continued).

g. Installation (continued).

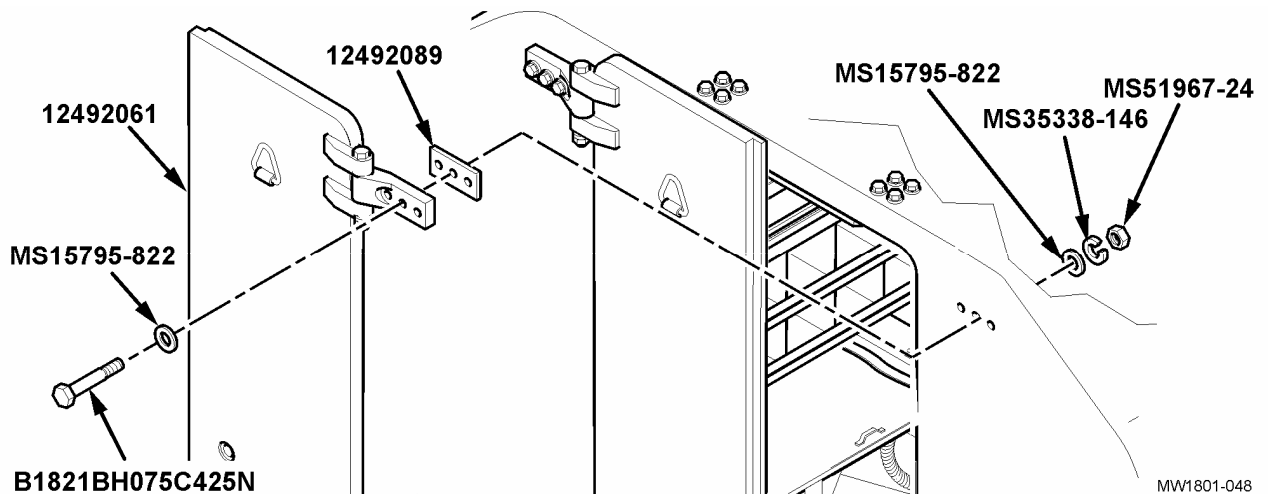
WARNING

Personnel must stand clear during lifting procedures. A swinging or shifting load may cause injury to personnel.

165. Attach lifting sling and hoist to lifting eye on left rear door 12492058. Raise left rear door 12482058, position on hull plate, and install using two shim plates 12492089 (kit 57K3270), six hexagon head capscrews B1821BH075C425N (kit 57K3270), six lockwashers MS35338-146 (kit 57K3270), twelve flat washers MS15795-822 (kit 57K3270), and six plain hexagon nuts MS51967-24 (kit 57K3270). Remove lifting sling and hoist.



166. Attach lifting sling and hoist to lifting eye on right rear door 12492061. Raise right rear door 12492061, position on hull plate, and install using two shim plates 12492089 (kit 57K3270), six hexagon head capscrews B1821BH075C425N (kit 57K3270), six lockwashers MS35338-146 (kit 57K3270), twelve flat washers MS15795-822 (kit 57K3270), and six plain hexagon nuts MS51967-24 (kit 57K3270). Remove lifting sling and hoist.



10. MODIFICATION PROCEDURES (continued).

- g. Installation (continued).

WARNING

Compressed air used for cleaning or drying purposes or for cleaning out restrictions, should never exceed 30 PSI (207 kPa). To avoid injury, wear protective clothing (e.g., goggles/shield, gloves) and exercise caution.

167. Remove any paint, chips, burrs, or debris from seal contact surfaces of rear doors with compressed air.

WARNING

Solvent cleaning compound is an environmentally compliant product and is low in toxicity. However, it may be irritating to the eyes and skin due to its base stock. The use of protective gloves and goggles is required. Use the cleaning compound in well-ventilated areas and keep away from open flames and other sources of ignition.

168. Using solvent cleaning compound MIL-PRF-680 and clean rags DDD-R-0030, remove all residue from seal contact surfaces of left rear door 12492058. In addition, clean with solvent cleaning compound the mating surfaces of upper left door seal 12492084 (kit 57K3270) and lower left door seal 12492085 (kit 57K3270).
169. Repeat step 168 for cleaning seal contact surfaces of right rear door 12492061, two channel seals 12496349 (kit 57K3270), upper right door seal 12489027 (kit 57K3270), and lower right door seal 12492064 (kit 57K3270).

WARNING

Adhesives can burn easily, can give off harmful vapors, and are harmful to skin and clothing. To avoid injury or death, keep away from spark or open flame. Use only in well-ventilated areas. If adhesive gets on skin or clothing, wash immediately with soap and water.

CAUTION

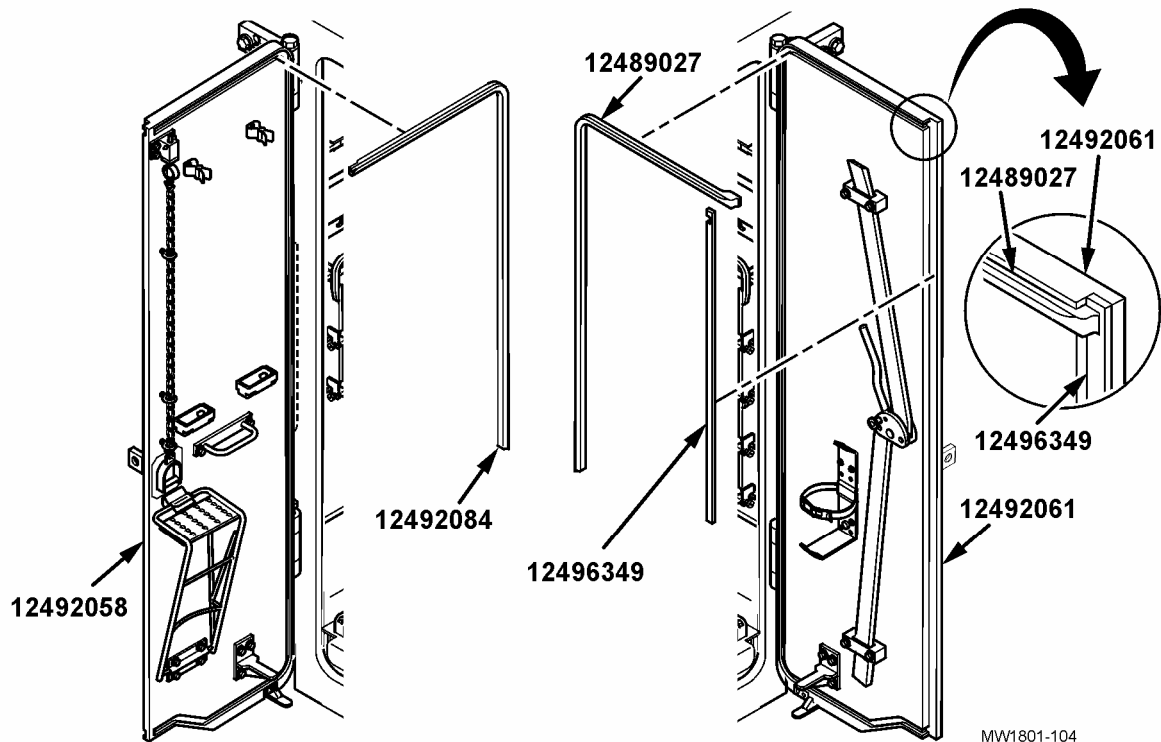
Avoid stretching or bunching seals during installation. Seal integrity will be ineffective.

170. Apply adhesive 9995460 to upper seal contact surfaces of left rear door 12492058 and mating surfaces of upper left door seal 12492084, per adhesive label instructions.
171. Insert upper left door seal 12492084 into the upper corner of the seal groove of left rear door 12492058. Properly seat the seal on left rear door by working from the corner outward along the top seal channel, and then from the corner downward along the side seal channel.
172. Apply adhesive 9995460 to upper seal contact surfaces of right rear door 12492061 and mating surfaces of upper right door seal 12489027, per adhesive label instructions.

10. MODIFICATION PROCEDURES (continued).

g. Installation (continued).

173. Insert upper right door seal 12489027 into the upper corner of the seal groove of right rear door 12492061. Properly seat the seal on right rear door by working from the corner outward along the top seal channel, and then from the corner downward along the side seal channel.
174. Apply adhesive 9995460 to upper channel seal contact surface of right rear door 12492061 and mating surfaces of channel seal 12496349, per adhesive label instructions.
175. Install upper channel seal 12496349 on lip of right rear door 12492061. Starting from the top of the door, lay the notch of channel seal 12496349 around the extension of upper seal 12489027 and work downward.
176. Close and latch rear doors securely. Check rear doors for proper fit.



10. MODIFICATION PROCEDURES (continued).

g. Installation (continued).

NOTE

Depending on hull conditions, the gap between rear doors and hull may exceed 0.25 inches (6.35 mm).

177. Measure the depth of the gap between the left rear door 12492058 and hull. Begin at the middle of the door, and work downward along its perimeter. If the gap depth is 0.25 inches (6.35 mm) and below, proceed to step 183 for door seal installation. If the gap exceeds 0.25 inches (6.35 mm), determine the proper shim seal needed by using the following criteria.

(a) If the depth falls between 0.25-0.38 inches (6.35-9.53 mm) (points A-A), use shim seal 12492102-1 (Table 6-2).

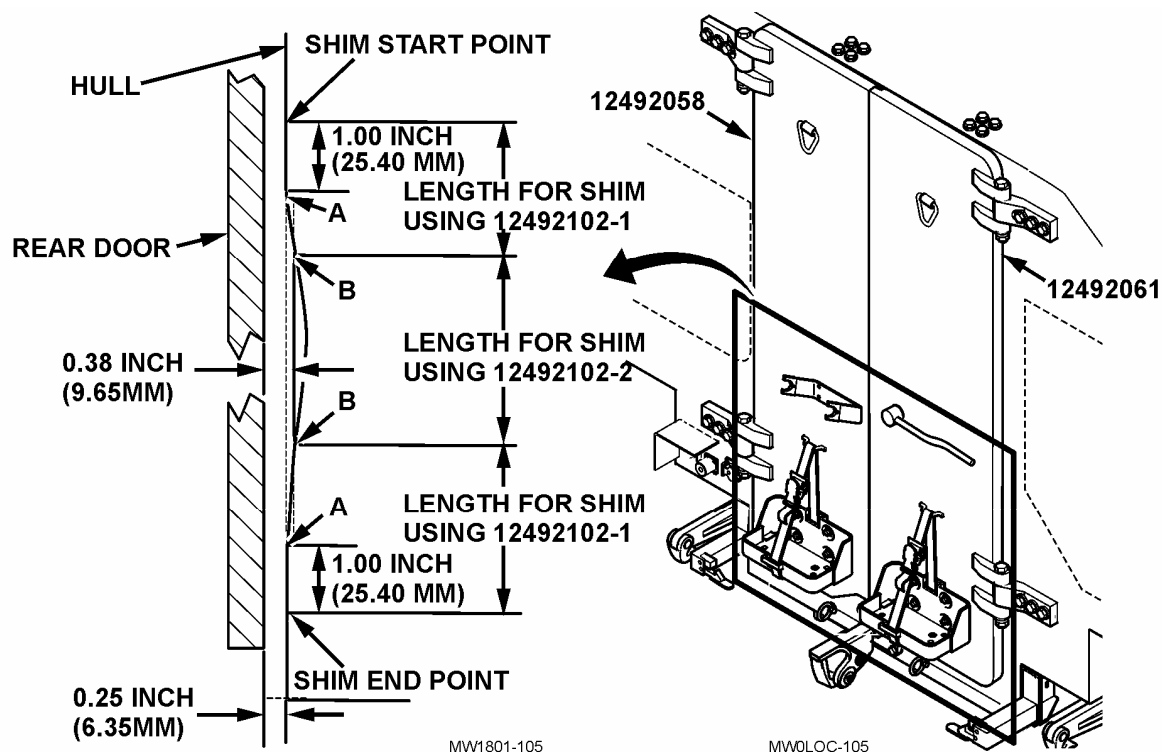
(b) If the depth falls between 0.38-0.50 inches (9.53-12.70 mm) (points B-B), use shim seal 12492102-2 (Table 6-2).

(c) If the gap depth exceeds 0.50 inches (12.70 mm), notify supervisor for hull repair.

178. At the point where the gap first exceeds 0.25 inches (6.35 mm), scribe a mark on the door. This point represents the beginning of the area requiring shimming. Continue to measure the gap depth, distinctively until the gap area becomes and remains 0.25 inches (6.35 mm) or less. Mark this as the endpoint requiring shimming.

179. Repeat steps 177 and 178 for the right rear door 12492061.

180. Locate the shim cut point by measuring 1-inch (25.4 mm) from the start and end points marked in step 178.



10. MODIFICATION PROCEDURES (continued).

g. Installation (continued).

181. Position shim seal 12492102-1, or 12492102-2, to left rear door 12492058 and cut to fit as required. Remove shim from rear door.

WARNING

Solvent cleaning compound is an environmentally compliant product and is low in toxicity. However, it may be irritating to the eyes and skin due to its base stock. The use of protective gloves and goggles is required. Use the cleaning compound in well-ventilated areas and keep away from open flames and other sources of ignition.

182. Using solvent cleaning compound MIL-PRF-680 and clean rags DDD-R-0030, remove all residue from contact surfaces of shims cut in step 181.

WARNING

Adhesives can burn easily, can give off harmful vapors, and are harmful to skin and clothing. To avoid injury or death, keep away from spark or open flame. Use only in well-ventilated areas. If adhesive gets on skin or clothing, wash immediately with soap and water.

183. Apply adhesive 9995460 to mounting surfaces of shim seal 12492102-1, or 12492102-2, as per label instructions.

CAUTION

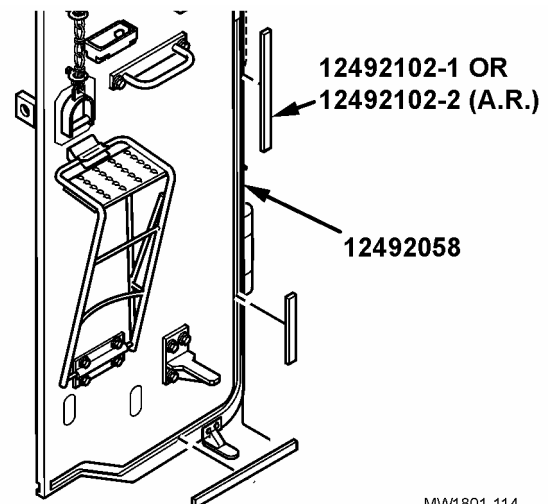
Avoid stretching or bunching seals. Sealing will be ineffective.

NOTE

Do not stack or overlap shim seals when installing.

184. Install shim seal 12492102-1, or 12492102-2, on indicated areas of left rear door 12492058. Areas using shim seal 12492102-2 requires shim seal 12492102-1 to taper endpoint. Ensure seals are installed with no overlap.

185. Repeat steps 181 through 184 for installing the shim seal on the right rear door 12492061.

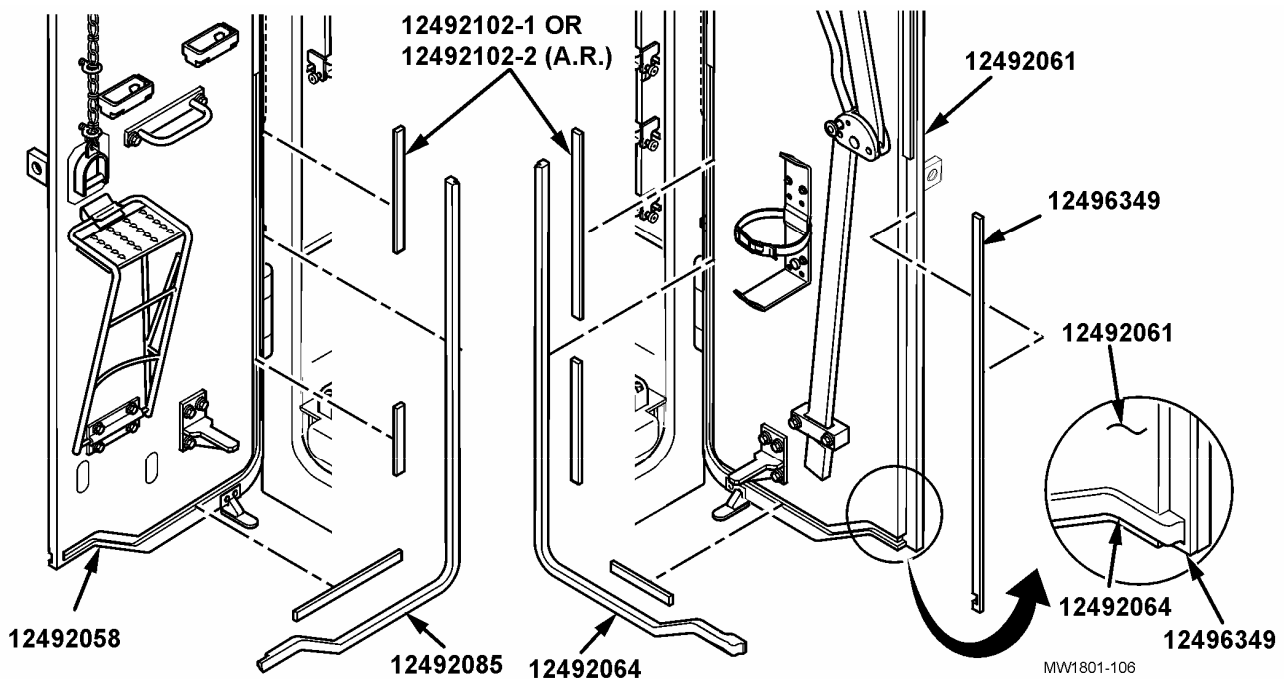


MW1801-114

10. MODIFICATION PROCEDURES (continued).

g. Installation (continued).

186. Apply adhesive 9995460 to lower seal contact surfaces, including to of shims if encountered, of right rear door 12492061 and mating surfaces of lower right door seal 12492064, per adhesive label instructions.
187. Insert lower right door seal 12492064 working from the corner, outward along the bottom seal channel, and then from the corner upward along the side seal channel, running on top of shims if encountered.
188. Trim lower right door seal 12492064 at meeting point with upper right channel seal 12489027 so there is no overlap or gap.
189. Apply adhesive 9995460 to lower channel seal contact surface of right rear door 12492061 and mating surfaces of channel seal 12496349, per adhesive label instructions.
190. Install lower channel seal 12496349 on lip of right rear door 12492061. Starting from the bottom of the door, lay the notch of channel seal 12496349 around the extension of lower seal 12489064 and work upward.
191. Trim lower right channel seal 12496349 at meeting point with upper right channel seal 12496349 so there is no overlap or gap.
192. Repeat steps 186 and 187 for lower left rear door 12492058 using lower left door seal 12492085.
193. Trim lower left door seal 12492085 at meeting point with upper left door seal 12492084.
194. Close doors to ensure proper fit and allow seals to dry in a compressed state as per label instructions.



10. MODIFICATION PROCEDURES (continued).

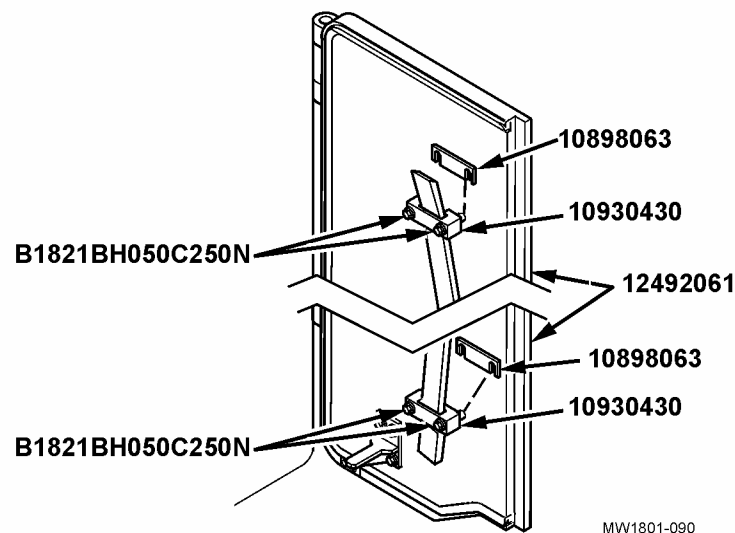
g. Installation (continued).

195. Perform rear door locking latch adjustment as follows:

NOTE

Install shims 10898063 as required to allow the upper and lower locking latches to properly engage upper door striker and slot in floor plate.

- (a) Loosen four hexagon head capscrews B1821BH050C250N attaching the upper and lower guides 10930430 to the right rear door 12492061.
- (b) Add or remove shims 10898063 (Table 6-2) as required between lower guide and right rear door 12492061. Tighten two hexagon head capscrews B1821BH050C250N.
- (c) Add or remove shims 10898063 (Table 6-2) as required between upper guide and right rear door 12492061. Tighten two hexagon head capscrews B1821BH050C250N.



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10. MODIFICATION PROCEDURES (continued).

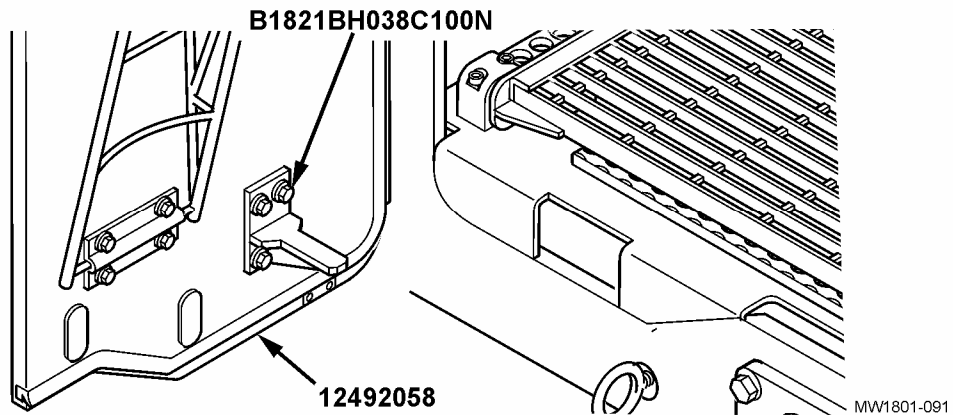
g. Installation (continued).

NOTE

Left and right rear door platform support brackets are adjusted the same way. This procedure is for the left platform support bracket.

196. Perform left rear door platform support bracket adjustment on left rear door 12492058 as follows:

- (a) Loosen four hexagon head capscrews B1821BH038C100N.
- (b) Adjust the position of the platform support bracket to enter the floor plate slot, without any interference when rear door is closed.
- (c) Tighten four hexagon head capscrews B1821BH038C100N.



10. MODIFICATION PROCEDURES (continued).

g. Installation (continued).

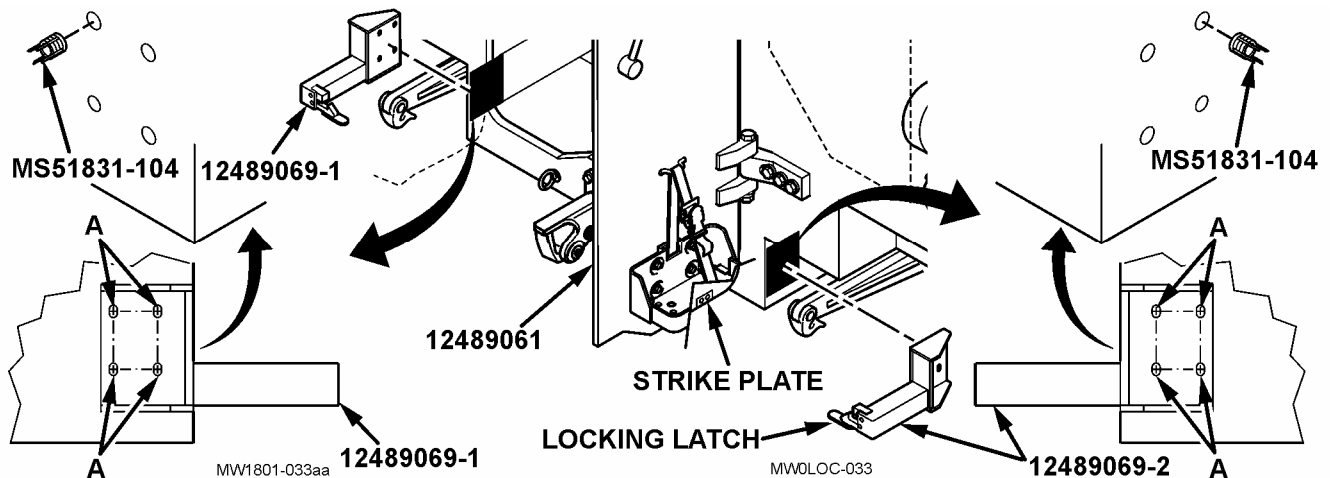
NOTE

Left and right side locking open latch and brackets are assembled and installed the same way. This procedure is for the right locking open latch. Locking open latch 12492069-1 is assembled and installed the same way on the left rear door assembly.

NOTE

Assistant will help with positioning of the door locking bracket.

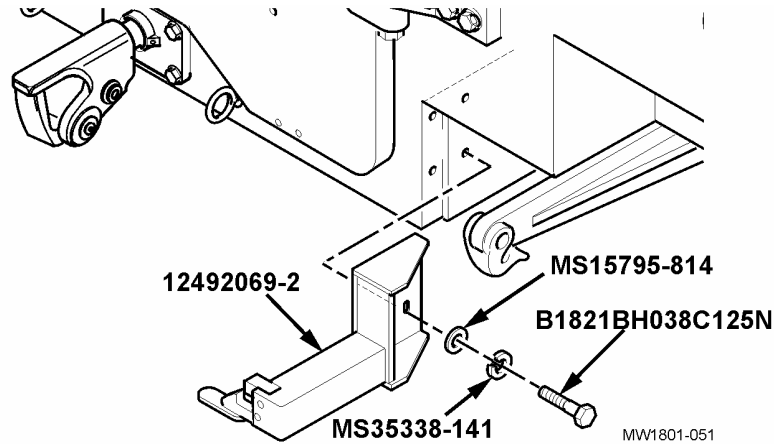
197. Position right rear door locking bracket 12492069-2 (kit 57K3270) on hull. Align and center the locking latch of rear door locking bracket 12492069-2 to the strike plate on the right rear door assembly 12489061.
198. Using the rear door locking bracket 12492069-2 as a template, locate and mark four hole positions on hull. Remove the rear door locking bracket 12492069-2.
199. Using a .250-inch drill bit, drill four pilot holes marked A, as shown.
200. Install four threaded screw inserts MS51831-104 (kit 57K3270) into hull in accordance with MS51835 (TM 9-2350-293-34&P). Ensure all burrs and sharp edges are removed.



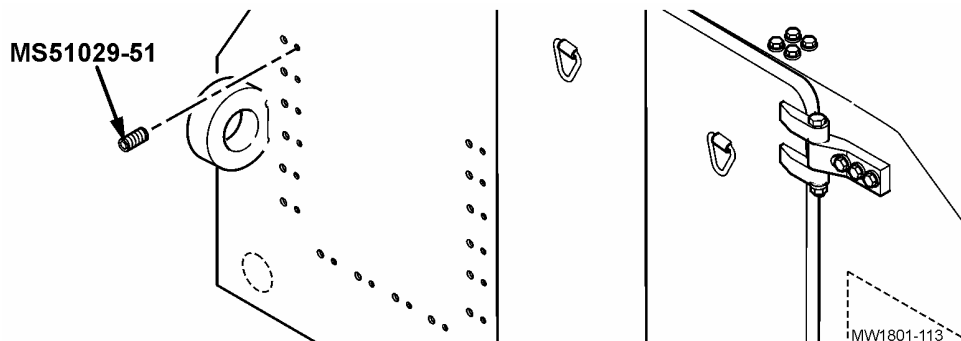
10. MODIFICATION PROCEDURES (continued).

g. Installation (continued).

201. Install rear door locking bracket 12492069-2 on hull with four hexagon head capscrews B1821BH038C125N (kit 57K3270), lockwashers MS35338-141 (kit 57K3270), and flat washers MS15795-814 (kit 57K3270).
202. Repeat steps 197 through 201 for installing the left side door lock open latch and bracket 12492069-1 (kit 57K3270).



203. Install sixteen setscrews MS51029-51 (kit 57K3270) in rear hull to plug inserts of old left stowage basket location. Repeat for installation of sixteen setscrews MS51029-51 (kit 57K3270) on right side of rear hull for vehicles S/N 1 through 344.



204. Install rear stowage basket on hull with sixteen hexagon head capscrews B1821BH025C075N (kit 57K3270), lockwashers MS35338-139 (kit 57K3270), and flat washers 10910174-1 (kit 57K3270) (TM 9-2350-293-20&P).
205. Repeat step 204 to install the right rear stowage basket on vehicles S/N 1 through 344.
206. Install engine AFES fire extinguisher mounting sub-brackets and two engine AFES fire extinguisher bottle mounting brackets using six hexagon head capscrews B1821BH044C100N (kit 57K3270), eight lockwashers MS35338-47 (kit 57K3270), two nuts MS51967-11 (kit 57K3270), two hexagon head capscrews B1821BH050C100N (kit 57K3270), three flat washers MS27183-17 (kit 57K3270), lockwashers MS35338-48 (kit 57K3270), hexagon head capscrew B1821BH03BC100N (kit 57K3270), hexagon head capscrew B1821BH050C125N (kit 57K3270), flat washer MS27183-14 (kit 57K3270), and lockwasher MS35338-46 (kit 57K3270), (TM 9-2350-293-20&P).

10. MODIFICATION PROCEDURES (continued).

g. Installation (continued).

NOTE

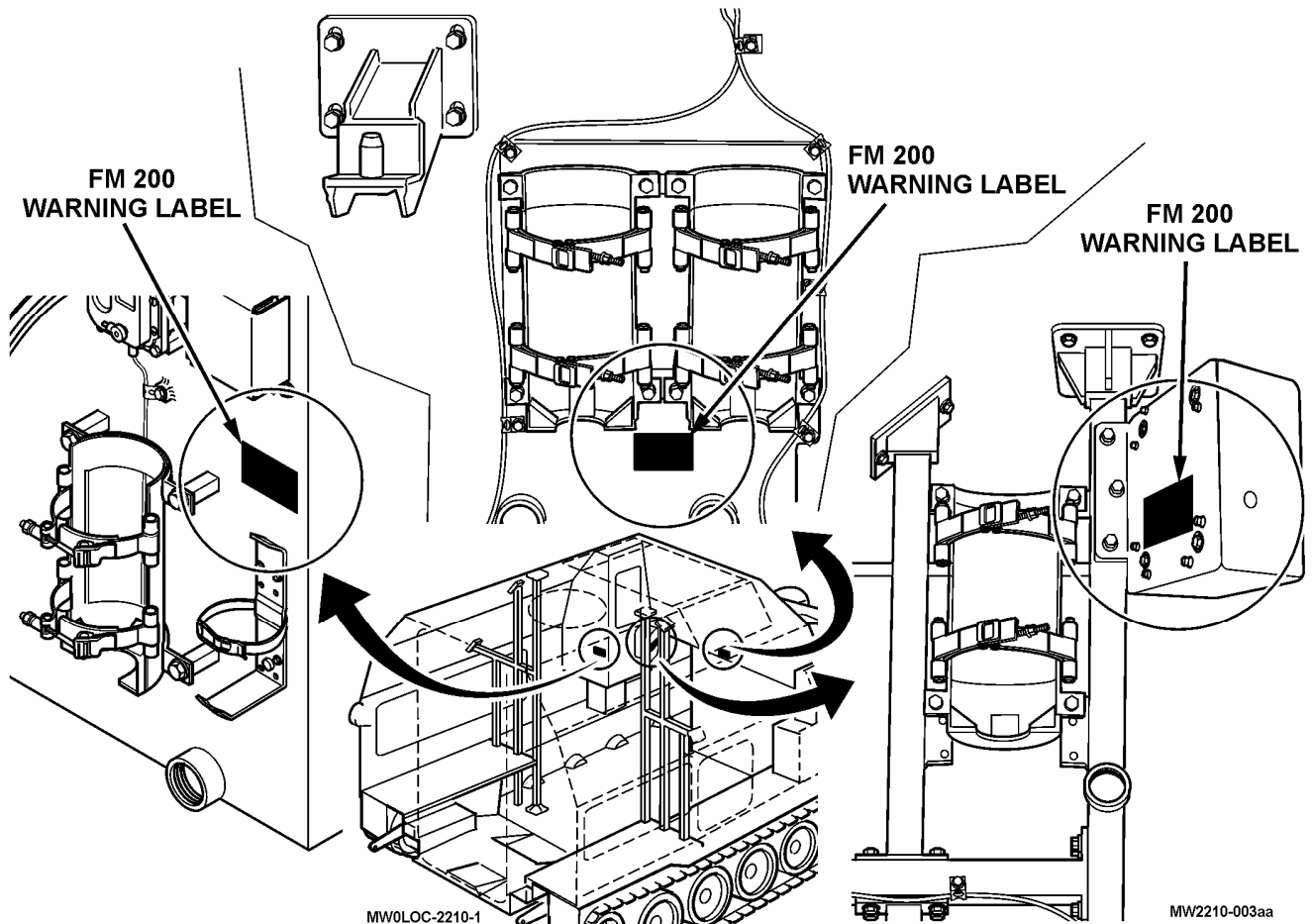
FM-200 warning label is applied to vehicles S/N 1 through 344 only.

207. Install FM-200 warning label 12496817 (Table 6-2) to APU compartment bulkhead, engine AFES bottle mounting bracket, and GPS mounting bracket on vehicles S/N 1 through 344, as shown.

FM 200 WARNING LABEL



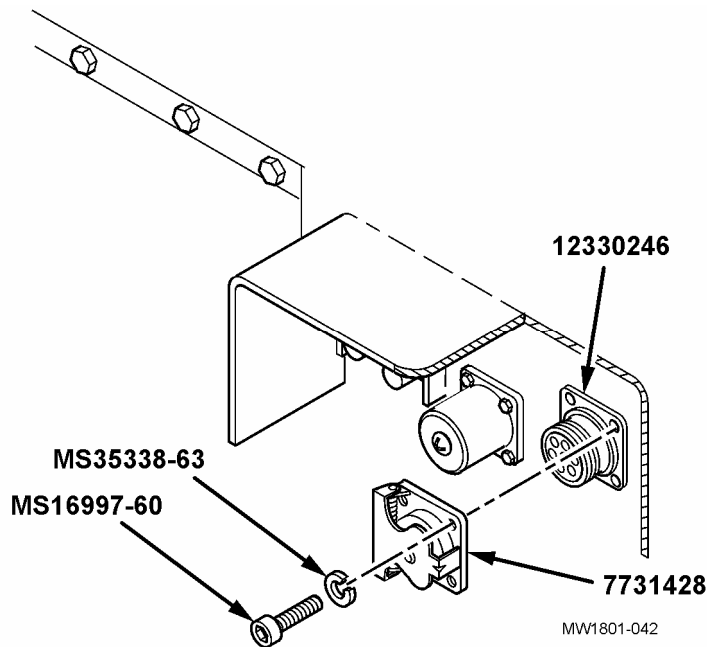
MW2210-002



10. MODIFICATION PROCEDURES (continued).

g. Installation (continued).

- 208. Install two engine AFES fire extinguisher bottles (kit 57K3271) on mounting brackets with two O-rings MS28778-12 (kit 57K3271) and two O-rings MS28778-24 (kit 57K3271). Refer to TM 9-2350-293-20&P.
- 209. Rotate trailer receptacle 12330246 and receptacle cover 7731428 ninety (90) degrees counterclockwise and install on hull with four screws MS16997-60 (kit 57K3270) and lockwashers MS35338-63 (kit 57K3270).

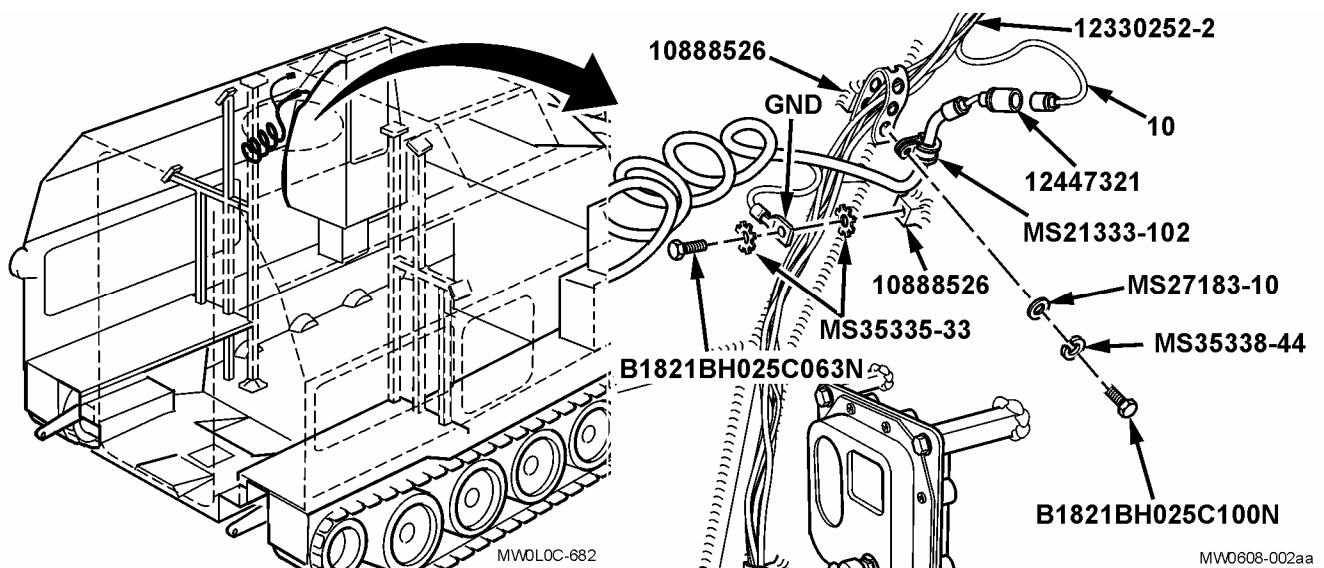


- 210. Using metal stamping kit, ensure the vehicle serial number has been applied to the left rear door 12492058, right rear door 12492061, and rear floor plate 12489017.

10. MODIFICATION PROCEDURES (continued).

h. Follow-on Tasks.

1. Install driver's portable instrument panel in stowed position (TM 9-2350-293-10).
2. Install air orifice angle bracket B5-19-1831 at left and right canister supports and beneath the lower left canister shelf support with three hexagon head capscrews B1821BH025C050N (kit 57K3270) and lockwasher MS35338-44 (kit 57K3270) (TM 9-2350-293-20&P).
3. Install engine AFES test and alarm T/A panel and bracket with six hexagon head capscrews B1821BH025C056N (kit 57K3270), two lockwashers MS35335-33 (kit 57K3270), five lockwashers MS35338-44 (kit 57K3270), and flat washers MS27183-52 (kit 57K3270) (TM 9-2350-293-20&P).
4. Install air outlet orifice connectors on left and right rear canister supports and beneath the lower left canister shelf supports with three retaining rings MS16624-4087 (kit 57K3270) (TM 9-2350-293-20&P).
5. Install Mounted Water Ration Heater (MWRH) mounting bracket on stowage support racks with ten flat washers MS27183-10 (kit 57K3270), five hexagon head capscrews B1821BH025C275N (kit 57K3270), lockwashers MS35338-44 (kit 57K3270), and plain hexagon nuts MS51967-2 (kit 57K3270) (TM 9-2350-293-20&P).
6. Install MWRH on bracket with two wing nuts MS51553-518 and two flat washers MS21783-12 (TM 9-2350-293-10).
7. Route cable 12447321 over bracket and connect to MWRH.
8. Apply silicone compound SAE-A58660 to mating surfaces of electrical connections.
9. Connect cable 12447321 to lead 10 of harness 12330252-2.
10. Connect ground lead to pad 10888526 with hexagon head capscrew B1821BH025C063N (kit 57K3270) and two lockwashers MS35335-33 (kit 57K3270), as shown.
11. Connect cable 12447321 on pad 10888526 with loop clamp MS21333-102 (kit 57K3270), hexagon head capscrew B1821BH025C100N (kit 57K3270), lockwasher MS35338-44 (kit 57K3270), and flat washer MS27183-10 (kit 57K3270), as shown.



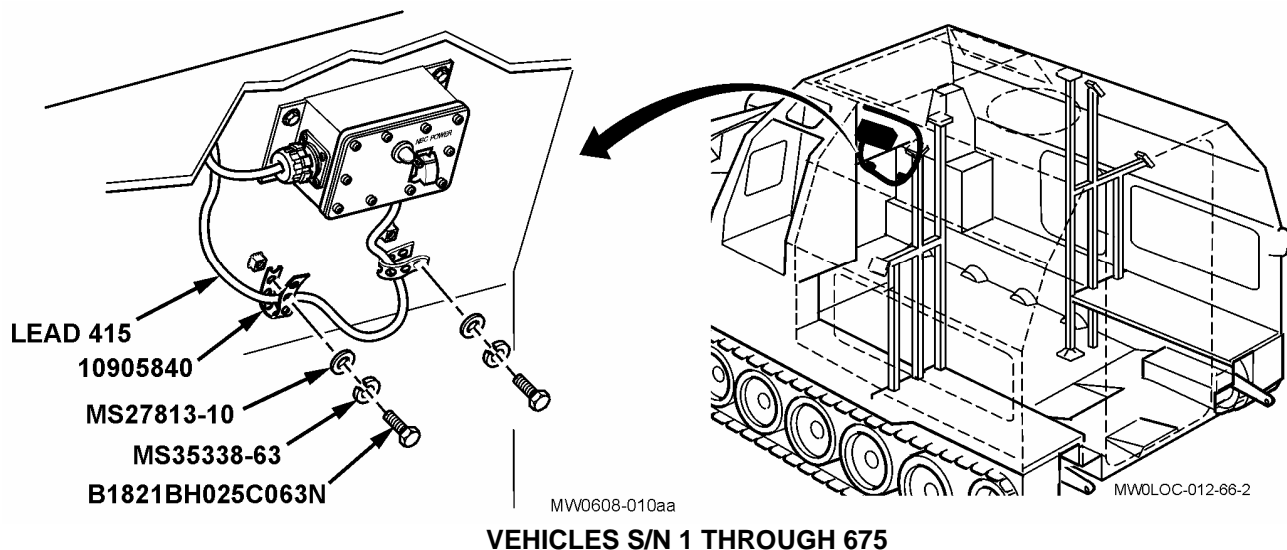
10. MODIFICATION PROCEDURES (continued).

h. Follow-on Tasks (continued).

NOTE

Electrical tiedown straps 10905840 (kit 57K3272) are cut to length from bulk as required to secure the wiring harnesses onto the vehicle.

12. Install lead 415 of wiring harness 12376405 on hull with two hexagon head capscrews B1821BH025C063N (kit 57K3270), lockwasher MS35338-63 (kit 57K3270), and flat washer MS27183-10 (kit 57K3270) and tiedown straps 10905840 (kit 57K3270) as required on vehicles S/N 1 through 675, as shown.



13. Install left-side crew seat on left-front sponson with two grooved-headed pins 10888574 (kit 57K3270), flat washer 10910174-5 (kit 57K3270), and retaining rings MS16633-1050 (kit 57K3270) (TM 9-2350-293-20&P).
14. Install M2A2 air purifier and frame assembly on left rear lower sponson with four hexagon head capscrew B1821BH025C063N (kit 57K3270), two lockwashers MS35335-33 (kit 57K3270), and three lockwashers MS35338-44 (kit 57K3270) (TM 9-2350-293-20&P).
15. Install M2A2 air purifier guard and spacer plate on left rear sponson with two hexagon head capscrews B1821BH025C100N (kit 57K3270), hexagon head capscrew B1821BH025C075N (kit 57K3270), five flat washers MS27183-10 (kit 57K3270), three lockwashers MS35338-44 (kit 57K3270), and two plain hexagon nuts MS51967-2 (kit 57K3270) (TM 9-2350-293-20&P).
16. Install APU compartment access cover and gasket 12333501 (kit 57K3270) on APU compartment bulkhead with ten hexagon head capscrews B1821BH025C063N (kit 57K3270) and lock washers MS35338-44 (kit 57K3270) (TM 9-2350-293-20&P).

10. MODIFICATION PROCEDURES (continued).

h. Follow-on Tasks (continued).

17. Install crew No. 5 and 6 AFES fire extinguisher bottle mounting brackets on vehicles S/N 345 and above with six hexagon head capscrews B1821BH044C350N (kit 57K3270), two hexagon head capscrews B1821BH044C375N (kit 57K3270), and eight lockwashers MS35338-47 (kit 57K3270) (TM 9-2350-293-20&P).
18. Install crew compartment and right rear door portable fire extinguisher and bracket each with four hexagon head capscrews B1821BH025C075N (kit 57K3270), lockwashers MS35338-139 (kit 57K3270), and flat washers MS15795-852 (kit 57K3270) (TM 9-2350-293-20&P).
19. Install No. 1, 2, 3, and 4 AFES fire extinguisher bottle mounting brackets on vehicles S/N 1 through 344 with twelve hexagon head capscrews B1821BH044C100N (kit 57K3270), four hexagon head capscrews B1821BH044C125N (kit 57K3270), sixteen lockwashers MS35338-47 (kit 57K3270), and four plain hexagon nuts MS51967-11 (kit 57K3270) (TM 9-2350-293-20&P).
20. Install crew No. 1, 2, 3, and 4 AFES fire extinguisher bottle mounting brackets on vehicles S/N 345 and above with six hexagon head capscrews B1821BH044C100N (kit 57K3270), eight hexagon head capscrews B1821BH044C125N (kit 57K3270), sixteen lockwashers MS35338-47 (kit 57K3270), two hexagon head capscrews B1821BH044C150N (kit 57K3270), and four plain hexagon nuts MS51967-11 (kit 57K3270) (TM 9-2350-293-20&P).
21. Install crew No. 1, 2, 3, 4, 5, and 6 AFES fire extinguisher bottles on AFES fire extinguisher bottle mounting brackets (TM 9-2350-293-20&P).
22. Install automatic alarm chassis D5-15-5490 on hull ceiling with four hexagon head capscrews B1821BH025C056N (kit 57K3270) and lockwashers MS35338-44 (kit 57K3270) (TM 9-2350-293-20&P).
23. Install personnel heater ventilator and hose with four hexagon head capscrews B1821BH038C100N (kit 57K3270), flat washer MS27183-14 (kit 57K3270), flatwasher MS21306-1 (kit 57K3270), two hexagon head capscrews B1821BH025C050N (kit 57K3270), lockwashers MS35338-44 (kit 57K3270), flat washers MS27183-10 (kit 57K3270), machine screws MS35206-279 (kit 57K3270), and lockwashers MS35333-40 (kit 57K3270) (TM 9-2350-293-20&P).
24. Install personnel heater ducts with four socket head capscrews MS16998-27 (kit 57K3270), lockwashers MS35338-138 (kit 57K3270), and flat washers MS9549-09 (kit 57K3270) (TM 9-2350-293-20&P).
25. Install two air cleaner blower motors on mounting brackets with two hexagon head capscrews B1821BH031F125N (kit 57K3270) and self-locking nuts M45913/1-5FG5C (kit 57K3270) (TM 9-2350-293-20&P).
26. Install ventilating hose between the personnel ventilating blower and floor mounted duct work (TM 9-2350-293-20&P).

10. MODIFICATION PROCEDURES (continued).

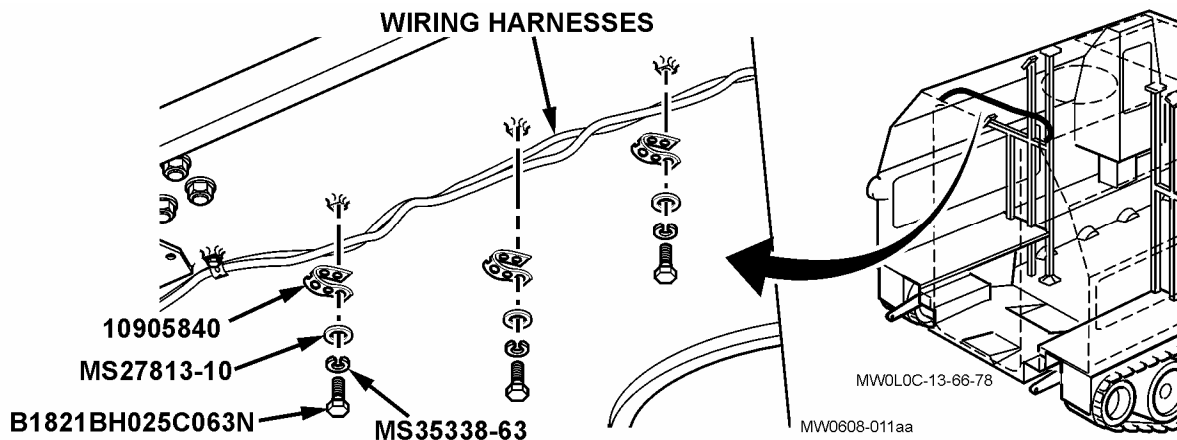
h. Follow-on Tasks (continued).

27. Install right and left projectile racks and mounting bracket using two hexagon head capscrews B1821BH038C125N (kit 57K3270), lockwashers MS35338-46 (kit 57K3270), and flat washers MS27183-14 (kit 57K3270) (TM 9-2350-293-10).
28. Install M43 NBC detector mounting bracket on right front stowage rack with three hexagon head capscrews B1821BH038C300N (kit 57K3270), lockwashers MS35338-46 (kit 57K3270), six flat washers MS27183-14 (kit 57K3270), and three plain hexagon nuts MS51967-8 (kit 57K3270) (TM 9-2350-293-20&P).
29. Install left rear intercommunication control C-12357/VRC on mounting bracket with four lock washers MS45904-72 (kit 57K3270), two machine bolts MS90725-36 (kit 57K3270), and plain hexagon nuts MS35649-2312 (kit 57K3270) (TM 9-2350-293-10).

NOTE

Electrical tiedown straps 10905840 (kit 57K3272) are cut to length from bulk as required to secure the wiring harnesses onto the vehicle.

30. Install wiring harnesses on hull ceiling with three hexagon head capscrews B1821BH025C063N (kit 57K3270), lockwashers MS35338-63 (kit 57K3270), flat washers MS27183-10 (kit 57K3270), and tiedown straps 10905840 (kit 57K3270), as required.



31. Install five strap webbings 8690482 on left upper storage shelf (TM 9-2350-293-20&P).
32. Install seven strap webbings 8690462 on left lower storage shelf sponson (TM 9-2350-293-20&P).
33. Install seven strap webbings 8690482 on right upper storage shelf (TM 9-2350-293-20&P).
34. Install strap webbing 8690462 on hull (TM 9-2350-293-20&P).

10. MODIFICATION PROCEDURES (continued).

h. Follow-on Tasks (continued).

35. Install left and right stowage nets 12330734 on hull with thirty-four hexagon head capscrews B1821BH025C044N (kit 57K3270) and lockwashers MS35333-40 (kit 57K3270) (TM 9-2350-293-20&P).
36. Install commander's seat assembly 12351647-2 on hull ceiling with four hexagon head capscrews B1821BH050C150N (kit 57K3270), lockwashers MS35338-48 (kit 57K3270), and flat washers MS9320-14 (kit 57K3270) (TM 9-2350-293-20&P), shoulder screw MS51975-48 (kit 57K3270), and self-locking nut M45913/1-8CG5C (kit 57K3270) (TM 9-2350-293-20&P).
37. Install driver's left side M45 periscope and sleeve with two hexagon head capscrews B1821BH038C088N (kit 57K3270), plain wing nuts MS35426-31 (kit 57K3270), and flat washers 10910174-3 (kit 57K3270) (TM 9-2350-293-20&P).
38. Install M45 periscope stowage box with four hexagon head capscrews B1821BH025C050N (kit 57K3270) and lockwashers MS35338-44 (kit 57K3270) (TM 9-2350-293-20&P).
39. Install relay access cover with four hexagon head capscrews B1821BH025C056N (kit 57K3270), lockwashers MS35338-44 (kit 57K3270), and flat washers MS27183-52 (kit 57K3270) (TM 9-2350-293-20&P).

11. CALIBRATION REQUIREMENTS.

There are no calibration requirements applicable to this MWO.

12. WEIGHT AND BALANCE DATA.

Weight and balance are not significantly affected.

13. QUALITY ASSURANCE REQUIREMENTS.

The following information is supplied to ensure the proper application of this modification and provide clarification in regards to the adequacy of the installer's inspection methods and procedures applicable to quality assurance. The procedures include, but are not limited to, installer responsibilities, government verification, and in-process and workmanship inspections. Inspections shall be in accordance with TM 750-245-4.

The installer is responsible for compliance with quality assurance requirements specified herein. These requirements and the installer's plan of inspection, or quality assurance program, constitute the minimum examinations and test necessary to assure compliance with established requirements. The requirements contained in this MWO shall include the installer's plan or quality program. Specific installer responsibilities for this MWO are as follows:

The installer is responsible for following the instructions contained in this MWO for installing the Up-Powered Auxiliary Power Unit (APU), Engine Compartment Halon Bottle Replacement, and Modular Artillery Charge System (MACS).

The installer is responsible for following the instructions contained in this MWO for removing all components applicable to the Auxiliary Power Unit (APU) assembly, Conveyor and Conveyor Hydraulic Systems, Canister Compartment Ammunition Storage Assemblies, and Engine Compartment Halon Bottles.

The installer is responsible for notifying the Government POC or representative if kit is received incomplete, opened, or damaged.

The installer is responsible for observing all quality and safety standards.

14. FINAL INSPECTION REQUIREMENTS.

- a. Final Inspection.
 1. Check all components, removed for the purpose of installing MWO kit components, are installed properly and secure.
 2. Ensure all electrical connections are tight and secure and that exposed connections are capped or plugged.
 3. Check APU control box is properly installed and secured. Check electrical connections are tight and secure.
 4. Check NATO slave wiring harness connections are tight, secure, and sealed.
 5. Check APU engine is properly installed and secured. Ensure all APU engine fuel lines and electrical connections are properly connected, secured, and sealed.
 6. Check APU exhaust and air intake components are properly installed and secured.
 7. Check APU junction box is properly installed and secured. Ensure electrical connections are tight and secure.
 8. Check that doors and hinges are properly installed and secured. Ensure door hinges operate freely with no binding, and door latch operates properly.
 9. Check that rear door seals are properly installed and seal tightly.
 10. Check rear door lock open latches operate properly.
 11. Check rear door latch, and decontamination brackets, and portable fire extinguisher.
 12. Check platform is properly installed and secured. Ensure platform operates freely with no binding and makes contact with the rear door stops.
 13. Check fatigue mat is properly installed, secured, clean, and free from tears.
 14. Check portable fire extinguishers are securely mounted.
 15. Check AFES fire extinguisher bottles, mounting brackets, and dispersal nozzles are properly installed and secured. Ensure electrical connectors are secured and locking pins are installed in valve actuators.
 16. Ensure left and right projectile rack assemblies and stowage boxes are properly installed and secured. Ensure stowage box guard retainers channel restraints and locking latches operate properly and do not bind.
 17. Check 2X8 and 4X6 honeycomb assemblies are properly installed and secured. Ensure all restraints are in place and latch securely.

14. FINAL INSPECTION REQUIREMENTS (continued).

b. APU Start-Up.

1. Open front APU compartment door.
2. Remove oil filler cap from APU. Fill APU engine crankcase with lubricating oil MIL-PRF-2104, 4.3 qts. (4.1 L). Check for signs of fluid leakage.
3. Remove dipstick and check oil level is at proper fluid level. Ensure oil level is at the MAX mark on dipstick.
4. Remove filler cap from coolant over-flow bottle. Fill with antifreeze MIL-PRF-2106, 5 qts (4.7 L). Check APU for any signs of fluid leakage. Ensure coolant level is 2/3 full in the overflow bottle.
5. Using multimeter, check front and rear NATO slave receptacle continuity as follows:
 - (a) Set the multimeter to read the resistance.
 - (b) Touch the positive (red) lead of the multimeter to the exterior of the NATO slave receptacle. Touch the negative (black) lead of the multimeter to ground on the hull of the vehicle.
 - (c) The multimeter should read 0.000 ohms.
 - (d) Touch the positive lead of the multimeter to the interior of the NATO slave receptacle.
 - (e) The multimeter should read 45,000 ohms and continue upwards. If the reading is incorrect, check that the wiring harnesses are connected properly.
6. Connect battery ground cables (TM 9-2350-372-10) and check NATO slave receptacle polarity as follows:
 - (a) Set the multimeter to read voltage.
 - (b) Touch the positive (red) lead of the multimeter to the interior of the NATO slave receptacle. Touch the negative (black) lead of the multimeter to ground on the hull of the vehicle.
 - (c) The multimeter should read 24 ± 3 Vdc.
7. Turn vehicle MASTER switch ON.
8. At the APU control box, place APU MAIN power switch in the ON position.
9. Place the APU control box CHARGE/START-IDLE/OFF switch in the START-IDLE position (momentary-on switch) and release.

NOTE

APU control box has an automated start sequence that turns on glow plugs for a set period of time and engages the starter for approximately 20 seconds or until a tachometer signal indicates that the motor has started. If engine has not started within the allotted time, it has a lockout feature to prevent an additional starting sequence for approximately one minute to prevent damage to the starter. If the APU fails to start after three attempts, recycle the control box.

14. FINAL INSPECTION REQUIREMENTS (continued).

b. APU Start-Up (continued).

10. After start up, allow the APU engine to settle down to a smooth idle for five minutes.
11. Check APU engine for any fluid leaks. If leaks are present, stop the APU engine and repair.

c. APU Shutdown.

1. Place the APU control box CHARGE/START-IDLE/OFF switch in the OFF position. The off position is a momentary position, and the switch will return to the START-IDLE position.
2. Place the APU control box MAIN power switch to the OFF position.
3. If vehicle MASTER switch is on, turn OFF now.

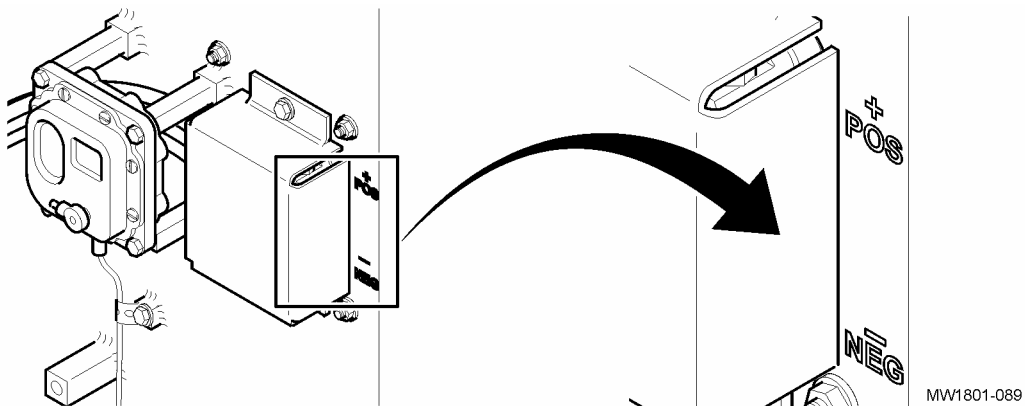
d. APU System Test.

1. Start APU engine.
2. Allow the engine to settle down to a smooth idle for one to two minutes.
3. Activate the generator by positioning the APU control box CHARGE/START-IDLE/OFF switch in the CHARGE position.
4. Using multimeter, check the APU generator output voltage at the negative and positive terminals. Voltage reading should be 28.2 ± 0.6 Vdc.
5. Using multimeter, check voltage at front NATO slave receptacle. Voltage reading should be 28.2 ± 0.6 Vdc.
6. Using multimeter, check voltage at rear NATO slave receptacle. Voltage reading should be 28.2 ± 0.6 Vdc.
7. Place the CHARGE/START-IDLE/OFF switch in the START-IDLE position and allow the APU engine to idle for one to two minutes.
8. Place the CHARGE/START-IDLE/OFF switch in the OFF position.
9. Place the MAIN power switch in the OFF position.

14. FINAL INSPECTION REQUIREMENTS (continued).

e. Final Paint.

1. Inspect exterior painted surfaces for signs of overspray, runs, rust, blistering, and chips.
2. Check all data plates, warning labels, and stencils are clear of paint and readable.
3. Check all indicators, gages, and warning lights are free from paint.
4. Check areas such as hinges, seal surfaces, rubber casings, and wiring harnesses are clean and free from paint.
5. Check all CARC painted surfaces have been applied in accordance with MIL-C-53072.
6. Apply stencil lettering .50-inch high by .10-inch wide letters in lusterless black color No. 37038, FED-STD-595, in accordance with MIL-C-46168, Type 2.
7. Ensure the vehicle serial number has been stamped to the rear floor plate.
8. Using the metal stamp kit, identify the positive (+ POS) and negative (- NEG) terminals of the APU junction box, as shown.



15. RECORDING AND REPORTING OF THE MODIFICATION.

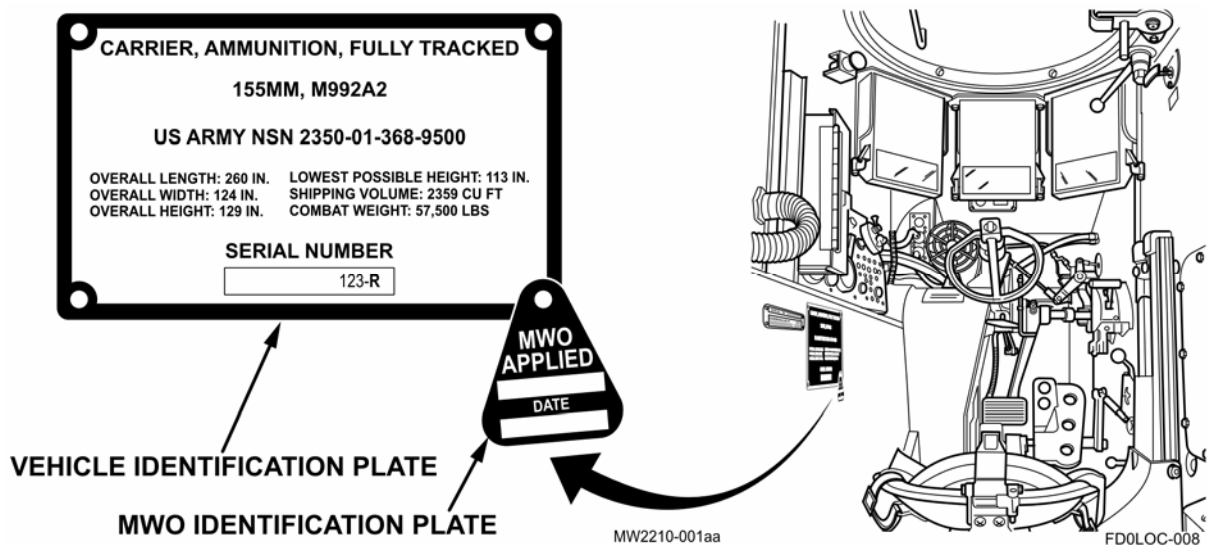
- a. Records and Report Forms. Refer to DA Pam 738-750, DA Pam 738-751, and TB 9-1100-803-15.
- b. Marking Equipment. Apply the MWO data plate 0930014 marked "MWO 9-2350-293-30-3".

16. MATERIEL CHANGE (MC) NUMBER.

This MWO is authorized by MC number 1-04-05-0019.

17. MODIFICATION IDENTIFICATION.

When this MWO has completed installation and inspection, install the vehicle identification plate 12496842 (Table 6-2) and MWO data plate using four drive-screws MS24629-45 (Table 6-2). The MWO data plate will identify the MWO, as shown.




18. VERIFICATION.

The validation and/or verification requirements shall be in accordance with the FAASV Statement Of Work (SOW), dated 13 August 2004.

19. PACKAGING.

For acquisition purposes, the packaging requirements shall be specified in the contract or task order. When actual packaging of materiel is to be performed by DOD personnel, these personnel need to contact the responsible packaging activity to ascertain requisite packaging requirements. Packaging requirements are maintained by the Inventory Control Point's packaging activity within the Military Department or Defense Agency, or within the Military Department's System Command. Packaging data retrieval is available from the managing Military Department or Defense Agency's automated packaging files or CD-ROM products, or by contacting the responsible packaging activity.

RECOMMENDED CHANGES TO PUBLICATIONS AND BLANK FORMS For use of this form, see AR 25-30; the proponent agency is OAASA						Use Part II (reverse) for Repair Parts and Special Tools Lists (RPSTL) and Supply Catalogs/Supply Manuals (SC/SM)	DATE (Date You Will Fill Out This Form)
TO: (Forward to proponent of publication or form)(Include Zip Code)						FROM: (Activity and location)(Include Zip Code) (Your Mailing Address)	
PART I - ALL PUBLICATIONS (EXCEPT RPSTL AND SC/SM) AND BLANK FORMS							
PUBLICATION FORM NUMBER MWO 9-2350-293-30-3					DATE March 2005	TITLE Modification Work Order (MWO) for Carrier, Ammunition, Tracked, M992A2	
ITEM	PAGE NO.	PARA-GRAPH	LINE	FIGURE NO.	TABLE	RECOMMENDED CHANGES AND REASON	
	Page 47					Callouts on art are numbered incorrectly. Callouts 3, 4, and 5 should be 6, 7, and 8.	
<p style="font-size: 48pt; transform: rotate(-15deg); opacity: 0.5;">SAMPLE</p>							
<i>* Reference to line numbers within the paragraph or sub paragraph.</i>							
TYPED NAME, GRADE OR TITLE John Doe SSG					TELEPHONE EXCHANGE/AUTOVON, PLUS EXTENSION XXX-XXXX		SIGNATURE 

TO: (Forward direct to addressee listed in publication)	FROM: (Activity and location)(Include Zip Code) (Your Mailing Address)	DATE (Date You Will Fill Out This Form)
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PART II - REPAIR PARTS AND SPECIAL TOOLS LISTS AND SUPPLY CATALOGS/SUPPLY MANUALS

PUBLICATION NUMBER			DATE	TITLE				
PAGE NO.	COLM NO.	LINE NO.	NATIONAL STOCK NUMBER	REFERENCE NO.	FIGURE NO.	ITEM NO.	TOTAL NO. OF MAJOR ITEMS SUPPORTED	RECOMMENDED ACTION
260			4730-00-273-6772		134	4	1	Change from Hex to Socket Plug Change part Number to 12301694.
260-1			4730-00-273-6772			4	1	

PART III - REMARKS (Any general remarks or recommendations, or suggestions for improvement of publications and blank forms. Additional blank sheets may be use dif more space is needed.)

SAMPLE

TYPED NAME, GRADE OR TITLE John Doe SSG	TELEPHONE EXCHANGE/AUTOVON, PLUS EXTENSION XXX-XXXX	SIGNATURE <i>John Doe</i>
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RECOMMENDED CHANGES TO PUBLICATIONS AND BLANK FORMS						Use Part II (reverse) for Repair Parts and Special Tools Lists (RPSTL) and Supply Catalogs/Supply Manuals (SC/SM)	DATE
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TYPED NAME, GRADE OR TITLE				TELEPHONE EXCHANGE/AUTOVON, PLUS EXTENSION		SIGNATURE	

TO: <i>(Forward direct to addressee listed in publication)</i>	FROM: <i>(Activity and location)(Include Zip Code)</i>	DATE
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PART II - REPAIR PARTS AND SPECIAL TOOLS LISTS AND SUPPLY CATALOGS/SUPPLY MANUALS

PUBLICATION NUMBER	DATE	TITLE
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PAGE NO.	COLM NO.	LINE NO.	NATIONAL STOCK NUMBER	REFERENCE NO.	FIGURE NO.	ITEM NO.	TOTAL NO. OF MAJOR ITEMS SUPPORTED	RECOMMENDED ACTION

PART III - REMARKS *(Any general remarks or recommendations, or suggestions for improvement of publications and blank forms. Additional blank sheets may be use dif more space is needed.)*

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PART II - REPAIR PARTS AND SPECIAL TOOLS LISTS AND SUPPLY CATALOGS/SUPPLY MANUALS

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PAGE NO.	COLM NO.	LINE NO.	NATIONAL STOCK NUMBER	REFERENCE NO.	FIGURE NO.	ITEM NO.	TOTAL NO. OF MAJOR ITEMS SUPPORTED	RECOMMENDED ACTION

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By Order of the Secretary of the Army:

PETER J. SCHOOMAKER
General, United States Army
Chief of Staff

Official:


SANDRA R. RILEY
Administrative Assistant to the
Secretary of the Army

0528614

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