

Seg. Pack #	GOVERNMENT PART NUMBER	AMG PART NUMBER	NOMENCLATURE	QTY.
1	11608950-10	12414507-006	CLAMP-HOSE 2.63-1.75 SS BREEZE	2
1	12340792		10-12 X .75 HWH TAP SCR "A" DT	4
1	12447165		BRACKET - BRAKE TUBE SU	1
1	MS21333-69		CLAMP (.375 DIA, CUSHIONED)	1
2	12338195		SPACER, PINTLE HOOK	3
2	12339426		SPEED NUT, "U" TYPE	4
2	12446871-2		INSERT, 1/4-20 (.027-.150 GRIP)	2
2	2436161	AEW26X25N062BD6A81	1/4 FLAT WASHER TYPE B HARDENED ZINC	7
3	12338186-69	EC12338186-69	SPACER-FRAME	6
3	12339884	5934853	CLAMP, HOSE, 1/4" AND 5/16"	4
3	M45913/4-8CG8Z	M45913/2-8CG8Z	NUT, 1/2-13 2B ALL MET LOCK	32
3	B1821BH025C100N		BOLT, 1/4-20 x 1.00 HHC	2
4	12338170		BRACKET, VENT TUBE	1
4	12339884-1	5934854	CLAMP-HOSE 3/8"	22
4	MS24665-628		PIN, COTTER (SPLIT)	1
4	446143	MS27183-7	WASHER, .19x.38x.049t FLAT	2
5	12338560-5	5717026	HOSE ( 17 INCH )	1
5	MS21333-75		CLAMP-CUSHIONED (.750 DIA)	4
5	MS21333-84		CLAMP-CUSHIONED (1.8750 DIA)	1
5	2436163	AEW26X37N062BD6A81	3/8 FLATWASHER TYPE B	10
6	12339660		DBL TUBE CLAMP DT	2
6	12342951-2	R12342951-2	CONNECTOR	2
6	M45913/4-6CG8Z	M45913/2-6CG8Z	NUT, SELF-LOCKING HEX, .375-16	5
6	B1821BH038C100N		BOLT, 3/8-16 X 1.00 HHC	9
7	12342499-2	EL12342499-2	10-32 X .625 HWH STS GX/GA DT	1
7	12342951-1	R12342951-1	CONNECTOR-HOSE BARB	1
7	MS21333-76		CLAMP-CUSHIONED (.875 DIA)	1
7	2436165	AEW26X50N062BD6A81	WSHR, 1/2 TYPE B FLT- HRDND NARR	60
8	12342953-1	R12342953-1	VALVE-CHECK	1
8	MS21333-78		CLAMP-CUSHIONED (1.125 DIA)	2
8	MS35206-247		8-32 X .75 PN HD PHIL MS	2
8	453039		BOLT, 5/16-18 x 2.75 HHC	6
9	12446871-16		INSERT, 1/4-20 (.165-.260 GRIP)	2
9	MS21333-79	ECMS21333-79	CLAMP-CUSHIONED (1.250 DIA)	1
9	MS35338-44		LOCK WASHER - 1/4" MED LOCKWASHER DO	5
9	271153		SCREW, 3/8-16x.62 HX HD TPNG-F	2
10	12342953-3	R12342953-3	VALVE-CHECK	1
10	MS21333-125		CLAMP, 62Øx.75w CSHND-.406Ø HOLE	1
10	MS35338-45	AEW07X312078GF6A81	WASHER, 5/16 HELICAL SPRING LOCK	2
10	M45913/4-5CG8Z	M45913/2-5CG8Z	NUT, 5/16-18 2B ALL MET LOCK	6
11	12469414	6007724	BRACKET ASM - AUX FUEL L	1
11	12469440-4	5717188	SPIRAL WRAP ( 7.00 TO 8.00" LONG	1
11	MS21333-126		CLAMP, .75Øx.75w CSHND-.406Ø hole	2
11	120394	AEW24X37N062EA1A81	WASHER, 3/8 FLAT- .41X.81X.065t	4
12	MS21333-127		.875 DIA. CSHND CLAMP	1
12	MS35489-20		GROMMET, .75 x 1.06 RUBBER	1
12	M45913/4-4CG8Z	M45913/2-4CG8Z	NUT, 1/4-20 2B ALL MET LOCK	1
12	NAS1352-4LL14P	6017214	1/4-20 x 0.75 SOCKET HEAD CAP S	3
13	MS21333-129		CUSHIONED CLAMP (1.25 DIA)	4
13	M45913/4-12CG8Z	M45913/2-12CG8Z	NUT, 3/4-10 2B ALL MET LOCK	2
13	B1821BH075C700N	6030060	SCREW - 3/4 - 10 X 7	2
13	8338561		SHELL-MALE-SINGLE	1
14	MS24665-513		PIN, COTTER (SPLIT)	2
14	121753		1/4 EXTERNAL TOOTH LOCKWASHER	2

57K4893  
AUXILIARY FUEL TANK  
1 KIT

Seg. Pack #	GOVERNMENT PART NUMBER	AMG PART NUMBER	NOMENCLATURE	QTY.
14	B1821BH025F063N		1/4-28 X .625 SCREW	6
14	12506877	6023062	REINF RING FUEL FILLER HSG	1
15	2436168	AEW26X75N010BD6A81	WSHR, 3/4 TYPE B FLT- HRDND NARR	4
15	271172	271178	NUT, 1/4-20 HX w/ EXT-TOOTH LW	6
15	AA52536-2		TERMINAL	1
15	B1821BH031C088N		BOLT, 5/16-18 x .88 HHC	2
16	MS3367-2-0		STRAP TIEDOWN - 13.35 LG-BLACK	24
16	B1821BH050C700N	6030098	SCREW 1/2 - 13 - 7	2
16	12506843	6023504	TEE, UNION- 3/8 x 3/8 x 3/8	2
16	12506844	6023596	CONNECTOR,PIPE TO HOSE,	1
16	8338564		TERMINAL ASM-FEMALE	1
17	12506879	6007176	REDUCER 5/16" to 1/4"	2
17	8338566		SHELL-SINGLE-FEMALE	1
17	8338567		WASHER, TERMINAL RETAINING	1
17	12506859	6028818	NAMEPLATE, AUX FUEL SWITCH	1
18	12506878	6007306	CONDUIT - HOSE PROTECTOR	1
18	12506884	6005929	CABLE TIE, HIGH TEMPERATURE	2
18	8338562	8338562	SLEEVE	1
18	12506845	6030099	ELBOW - 90 DEG.	1
19	12506857	6030295	HARNESS ASSY, FUEL SELECTOR VALVE	1
20	12506872	6007446	CONDUIT - CONVOLUTED	1
21	12506885	6034498	HOUSING-AUXILLIARY FUEL FILLER	1
22	12338561-4	5717931	HOSE, FUEL LINE, 3/8" X 108" LONG	1
23	12506858	6023486	VALVE, FUEL SELECTOR	1
24	12506839	6501041	Template, Aux Fuel, Rear Crossmember	1
25	12506860	6030059	BRACKET, FUEL SELECTOR	1
26	CPR104420-2	5717028	TUBING ( 80 INCH )-NOTE SHELF LIFE REQUIRMENT FOR THIS PART. MFD. DATE 01/16; EXP DATE 01/19	1
27	12506886	5717189	HOSE , FUEL ( 60" LONG )	1
28	12506867	6030153	TUBE ASSY, AUX FUEL FILLER	1
29	12506854	6030058	LINE, FUEL RETURN	1
30	12506855	6030057	LINE, FUEL SUPPLY	1
31	12342096		STRAINER ASSY, FILLER NECK	1
32	12480568-2		FUSE ASSY	1
33	12506841	6030155	CAP ASSY, AUX FUEL	1
34	12506842	6033891	SLEEVE, HEAT REFLECTIVE	2
35	12506861	6031620	BRACKET,SKID PLATE RIGHT SIDE	1
36	12506862	6031616	BRACKET,SKID PLATE LEFT SIDE	1
37	12506853	6028810	SWITCH, TOGGLE	1
38	12506856	6030102	HOSE, FUEL FILLER TUBE TO AUX FUEL T	1
39	12506863	6065484	SKID PLATE ASSY, FUEL TANK RET	1
40	12506846	6028118	BRACE ASSEMBLY, REAR BUMPER	2
41	12506848	6028126	PLATE, BUMPER REINFORCEMENT	1
42	12506850	6028127	REINFORCEMENT, BUMPER, REAR	1
43	12506847	6023564	BRACE ASSY, REAR BUMPER OUTER	2
44	12506864	6031527	TANK ASM-AUXILIARY FUEL	1
45	12506851	6023497	TUBE, AUX TANK RETURN	1
46	12506852	6023534	TUBE, AUX TANK SUPPLY	1
47	B1821BH050C400N		BOLT, 1/2 - 13 X 4.00 HHC	2
47	MS20659	MS20659-164	TERMINAL	1
47	12506840	6501056	TAMP RESISTANT AUX FUEL CAP	1
47	5934824-4		CONVOLUTED HOSE PROT 5/8 X 4IN	1

PACKING LIST

57K4893  
AUXILIARY FUEL TANK  
1 KIT

4/27/2016

Seg. Pack #	GOVERNMENT PART NUMBER	AMG PART NUMBER	NOMENCLATURE	QTY.
47	10910174-20		WASHER FLAT	6
	12506824	12506824 DRW	INSTALLATION INSTRUCTIONS AUX FUEL TAN	1

**REVISIONS**

LTR	DESCRIPTION	DATE (YR-MO-DA)	APPROVED
C	(1) SH 1 UDTD REV STAT SH BLK (2) SH 2 UDTD REV STAT SH BLK (3) SH 3 2436161 WASHER 7 WAS 2436161 WASHER 13 (4) SH 4 ADDED 10910174-20 WASHER 6 (5) SH 15 PARA. 3-8 STEP A 10910174-20 WAS 2436161 (6) SH 73 FIGURE 57 10910174-20 WAS 2436161 (AMG V7184)	10-11-04	SRD
D	(1) SH 1 UDTD REV STAT SH BLK (2) REV NOTE 4 (AMG W0753)	14-02-07	SRD

**EXPORT CONTROL WARNING**  
 WARNING - THIS DOCUMENT CONTAINS TECHNICAL DATA WHOSE EXPORT IS RESTRICTED BY THE ARMS EXPORT CONTROL ACT (TITLE 22, U.S.C., SEC 2751, ET. SEQ.) OR THE EXPORT ADMINISTRATION ACT OF 1979, AS AMENDED, TITLE 50, U.S.C., APP. 2401 ET. SEQ. VIOLATIONS OF THESE EXPORT LAWS ARE SUBJECT TO SEVERE CRIMINAL PENALTIES. DISSEMINATE IN ACCORDANCE WITH PROVISIONS OF DOD DIRECTIVE 5230.25

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**NOTES:**

1. **APPLICABLE STANDARDS/SPECIFICATIONS:**
  - A. MIL-STD-100F
2. **CALLOUTS IDENTIFIED AS FOLLOWS:**
  - \* NEW PARTS INCLUDED IN KIT
  - # PARTS TO BE REMOVED AND DISCARDED
  - △ PARTS TO BE REMOVED AND REUSED
  - ⊕ PARTS TO BE REWORKED
3. **ALL DIMENSIONS ARE IN INCHES**
4. **THIS KIT IS NOT COMPATIBLE WITH VEHICLES EQUIPPED WITH ENGINE COOLANT PREHEATER PARTS KIT 57K6198**
5. **REMOVE REAR WINCH PRIOR TO INSTALLING THIS KIT ON M1114 VEHICLES WITH REAR WINCH INSTALLED**

**INSTALLATION INSTRUCTIONS  
 AUXILIARY FUEL TANK**

**SECTION I. INTRODUCTION**

**1-1. PURPOSE. THE PURPOSE OF THESE INSTRUCTIONS IS TO PROVIDE A PROCEDURE FOR INSTALLATION OF AUXILIARY FUEL TANK ON ALL HMMWV VEHICLES EXCEPT M996, M996A1, M997, M997A1, AND M997A2.**

REV STATUS OF SHEETS	REV	D	C	C	C	B	B	B	B	B	B	B	B	B	B	C	B
	SHEET	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

PMIC NA		<b>CONTRACT NUMBER</b> DAAE07-99-C-S027				<b>U.S. ARMY TANK-AUTOMOTIVE AND ARMAMENTS COMMAND WARREN, MICHIGAN 48397-5000</b>					
<b>APPLICATION</b>		<b>CONTRACTOR</b> AM GENERAL LLC ENGINEERING & TECHNICAL SERVICES DIV. LIVONIA, MICHIGAN									
NEXT ASSY	USED ON	<b>DRAWN BY</b> HB		<b>DATE (YR-MO-DA)</b> 07-07-18		<b>INSTALLATION INSTRUCTIONS, AUXILIARY FUEL TANK</b>					
		<b>CHECKER</b> SML		<b>ENGINEER</b> J. SCHROEDER							
57K4893	HMMWV	<b>DRAWING APPROVAL</b> J. MABESA				SIZE A	CAGE CODE 19207	<b>12506824</b>			
MATL ENGR DFB	RC	<b>DESIGN APPROVAL</b> B. KACHADURIAN				SCALE NONE	UNIT WT. _____	SHEET 1 OF 82			

REV	B	B	C	B	B	B	B	B	B	B	B	B							
SHEET	71	72	73	74	75	76	77	78	79	80	81	82							
REV	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B
SHEET	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	
REV	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B
SHEET	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	
REV	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B
SHEET	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	

## SECTION II. INSTALLATION KIT

2-1. NEW MATERIAL. INSTALLATION KIT 57K4893 CONTAINS THE FOLLOWING ITEMS:

<u>PART NO.</u>	<u>NOMENCLATURE</u>	<u>QTY.</u>
11608950-10	CLAMP	2
12338170	L-BRACKET	1
12338186-69	SPACER	6
12338195	SPACER, PINTLE HOOK	3
12338560-5	HOSE (17 INCH)	1
12338561-4	HOSE (106 INCH)	1
12339426	SPEEDNUT	4
12339660	P-CLAMP	2
12339884	CLAMP	4
12339884-1	CLAMP	22
12340792	SCREW	4
12342096	STRAINER	1
12342499-2	SCREW	1
12342951-1	CONNECTOR	1
12342951-2	CONNECTOR	2
12342953-1	CHECK VALVE	1
12342953-3	CHECK VALVE	1
12446871-2	INSERT	2
12446871-16	INSERT	2
12447165	BRACKET	1
12469414	ASSEMBLY, BRACKET	1
12469440-4	WRAP, SPIRAL	1
12480568-2	ASSEMBLY, FUSE HOLDER	1
12506824	INSTALLATION INSTRUCTIONS	1
CPR104420-2	TUBING (80 INCH)	1
MS21333-69	P-CLAMP	1
MS21333-75	P-CLAMP	4
MS21333-76	P-CLAMP	1
MS21333-78	P-CLAMP	2
MS21333-79	P-CLAMP	1

<b>INSTALLATION INSTRUCTIONS, AUXILIARY FUEL TANK</b>	SIZE	CAGE CODE	12506824			
	A	19207				
(AMG V7184)		10-11-04	REVISION LEVEL	C	SHEET 2	

<u>PART NO.</u>	<u>NOMENCLATURE</u>	<u>QTY.</u>
MS21333-84	P-CLAMP	1
MS21333-125	P-CLAMP	1
MS21333-126	P-CLAMP	2
MS21333-127	P-CLAMP	1
MS21333-129	P-CLAMP	4
MS24665-513	COTTER PIN	2
MS24665-628	COTTER PIN	1
MS3367-2-0	STRAP, TIEDOWN	24
MS35206-247	SCREW	2
MS35338-44	LOCKWASHER	5
MS35338-45	LOCKWASHER	2
MS35489-20	GROMMET	1
M45913/4-4CG8Z	NUT	1
M45913/4-5CG8Z	NUT	6
M45913/4-6CG8Z	NUT	5
M45913/4-8CG8Z	NUT	32
M45913/4-12CG8Z	NUT	2
NAS1352-4LL14P	SCREW	3
120394	WASHER	4
121753	LOCKWASHER	2
2436161	WASHER	7
2436163	WASHER	10
2436165	WASHER	60
2436168	WASHER	4
271153	SCREW	2
271172	LOCKNUT	6
446143	WASHER	2
453039	SCREW	6
AA52536-2	TERMINAL	1
B1821BH025F063N	SCREW	6
B1821BH025C100N	SCREW	2
B1821BH031C088N	SCREW	2
B1821BH038C100N	SCREW	9
B1821BH050C400N	SCREW	2
B1821BH050C700N	SCREW	2
B1821BH075C700N	SCREW	2
12506839	TEMPLATE, REAR-REAR CROSSMEMBER	1
12506840	FILLER CAP, TAMPER-RESISTANT	1
12506841	FILLER CAP, T-HANDLE	1
12506842	COVER, INSULATION	2
12506843	FITTING	2
12506844	CONNECTOR	1
12506845	FITTING	1
12506851	TUBE, FUEL RETURN	1
12506852	TUBE, FUEL SUPPLY	1
12506846	ASSEMBLY, BRACE, REAR BUMPER	2

INSTALLATION INSTRUCTIONS,  
AUXILIARY FUEL TANK

SIZE  
A

CAGE CODE  
19207

12506824

(AMG V7184)

10-11-04

REVISION LEVEL C

SHEET 3

<u>PART NO.</u>	<u>NOMENCLATURE</u>	<u>QTY.</u>
12506854	TUBE	1
12506855	TUBE	1
12506847	ASSEMBLY, BRACE, OUTER REAR BUMPER	2
12506848	REINFORCEMENT, BUMPER	1
12506850	REINFORCEMENT, BUMPER, REAR	1
12506857	WIRING HARNESS, AUXILIARY FUEL TANK	1
12506858	SELECTOR VALVE	1
12506853	SELECTOR SWITCH	1
12506859	PLATE, SWITCH, AUXILIARY FUEL TANK	1
12506860	BRACKET	1
12506861	BRACKET, SKID PLATE, RH	1
12506862	BRACKET, SKID PLATE, LH	1
12506863	ASSEMBLY, SKID PLATE	1
12506864	FUEL TANK, AUXILIARY	1
12506867	TUBE ASSEMBLY, FILLER	1
12506872	CONDUIT	1
12506877	REINFORCEMENT PLATE	1
12506878	CONDUIT	1
12506879	REDUCER	2
12506856	HOSE	1
12506884	STRAP, TIEDOWN	2
12506885	HOUSING, FUEL FILLER	1
12506886	HOSE (60 INCH)	1
8338561	SHELL	1
8338562	SLEEVE	1
8338564	TERMINAL	1
8338566	SHELL	1
8338567	WASHER	1
MS20659	LUG, TERMINAL	1
5934824-4	CONDUIT (4 INCH)	1
10910174-20	WASHER	6

2-2. THE FOLLOWING PARTS ARE NOT INCLUDED IN THIS KIT, HOWEVER ARE REQUIRED IF VEHICLE IS NOT EQUIPPED WITH REAR AIRLIFT BUMPER:

<u>PART NO.</u>	<u>NOMENCLATURE</u>	<u>QTY.</u>
10-40704-22	WASHER	2
12338164	SPACER, PLATE	2
12338225-1	SCREW	12
12342354	SHACKLE	2
12446989	BRACKET, MOUNTING OUTER, LH	1
12446990	BRACKET, MOUNTING OUTER, RH	1
12446991	BRACKET, MOUNTING INNER	2
12447089-2	CONNECTOR	2
12469405	BUMPER	1
2436168	WASHER	2

INSTALLATION INSTRUCTIONS, AUXILIARY FUEL TANK	SIZE	CAGE CODE	12506824		
	A	19207			
(AMG V7184)		10-11-04	REVISION LEVEL	C	SHEET 4

<u>PART NO.</u>	<u>NOMENCLATURE</u>	<u>QTY.</u>
B1821BH050C350N	SCREW	12
B1821BH075C425N	SCREW	8
MS24665-335	COTTER PIN	2
MS24665-513	COTTER PIN	2
MS35692-54	NUT	2
MS35692-62	NUT	2

2-3. THE FOLLOWING ITEM IS NOT INCLUDED IN THIS KIT, BUT IS REQUIRED AND MUST BE REQUISITIONED FOR PROPER INSTALLATION OF THIS KIT.

<u>PART NO.</u>	<u>NOMENCLATURE</u>	<u>QTY.</u>
5934432	LOCKING COMPOUND	1

2-4. EXISTING MATERIAL. ALL MATERIAL REMOVED AND NOT REUSED DURING INSTALLATION WILL BE RETURNED TO STOCK FOR DISPOSITION IN ACCORDANCE WITH AR 725-50.

### SECTION III. INSTALLATION PROCEDURES

#### 3-1. VEHICLE PREPARATION.

- A. APPLY VEHICLE PARKING BRAKE. (REFER TO TM 9-2320-280-10 OR TM 9-2320-387-10.)
- B. RAISE AND SECURE HOOD. (REFER TO TM 9-2320-280-10 OR TM 9-2320-387-10.)
- C. DISCONNECT BATTERY NEGATIVE GROUND CABLE. (REFER TO TM 9-2320-280-20 OR TM 9-2320-387-24.)
- D. REMOVE ENGINE ACCESS COVER. (REFER TO TM 9-2320-280-20 OR TM 9-2320-387-24.)
- E. DRAIN AND REMOVE MAIN FUEL TANK. (REFER TO TM 9-2320-280-20 OR TM 9-2320-387-24.)
- F. REMOVE FRONT STAINLESS STEEL SUPPLY AND RETURN FUEL LINES, FUEL PUMP INLET HOSE, AND PROTECTIVE CONDUIT. (REFER TO TM 9-2320-280-20 OR TM 9-2320-387-24.)
- G. REMOVE REAR WINCH AND BUMPER ASSEMBLY. (M1114 VEHICLES ONLY, REFER TO TM 9-2320-387-24.)
- H. INSTALL BYPASS TUBE ON REAR WINCH HYDRAULIC LINES AFTER REMOVAL OF REAR WINCH (M1114 VEHICLES ONLY. REFER TO TM 9-2320-387-24.)
- I. REMOVE REAR BUMPER ASSEMBLY. (REFER TO TM 9-2320-280-20 OR TM 9-2320-387-24.)
- J. REMOVE REAR INNER MOUNTING BRACKETS. (REFER TO TM 9-2320-280-20 OR TM 9-2320-387-24.)
- K. REMOVE REAR BUMPER BRACE BRACKETS. (REFER TO TM 9-2320-280-20 OR TM 9-2320-387-24.)
- L. REMOVE RIGHT REAR REFLECTOR. (REFER TO TM 9-2320-280-20 OR TM 9-2320-387-24.)
- M. REMOVE STARTER. (M1151, M1152, AND M1165 ARMORED VEHICLES ONLY, REFER TO TM 9-2320-387-24.)
- N. REMOVE REAR BRAKE ROTOR GUARDS, IF EQUIPPED. (REFER TO TM 9-2320-387-24.)
- O. REMOVE UNDERDASH CLOSEOUT PANEL, IF EQUIPPED. (REFER TO TM 9-2320-387-24.)
- P. REMOVE REAR BUMPER SUPPORT BRACKET, IF EQUIPPED WITH RICO SPARE TIRE CARRIER KIT, PART NO. 34623-6035862.

INSTALLATION INSTRUCTIONS, AUXILIARY FUEL TANK	SIZE	CAGE CODE	<b>12506824</b>		
	<b>A</b>	<b>19207</b>			
(AMG V7135)		10-08-19	REVISION LEVEL	<b>B</b>	SHEET 5

**3-2. WIRING HARNESS INSTALLATION.**

- A. LOCATE, MARK, AND DRILL 1.00-INCH DIAMETER HOLE IN LEFT-SIDE INNER COWL PANEL AS SHOWN IN FIGURE 1.
- B. INSTALL MS35489-20 GROMMET IN 1.00-INCH DIAMETER HOLE DRILLED IN LEFT-SIDE COWL FROM PREVIOUS TASK AS SHOWN IN FIGURE 2.
- C. LOCATE, MARK, AND DRILL 0.500-INCH DIAMETER HOLE IN LEFT-SIDE INSTRUMENT PANEL AS SHOWN IN FIGURE 3.
- D. ALIGN HOLE DRILLED IN STEP C WITH HOLE OFF OF 12506859 AUXILIARY FUEL TANK SWITCH PLATE AND USE AS TEMPLATE TO LOCATE AND DRILL TWO 0.203-INCH DIAMETER HOLES IN LEFT-SIDE INSTRUMENT PANEL AS SHOWN IN FIGURE 3.
- E. INSTALL 12506853 SELECTOR SWITCH AND 12506859 AUXILIARY FUEL TANK SWITCH PLATE IN LEFT-SIDE INSTRUMENT PANEL WITH TWO MS35206-247 SCREWS AND 446143 WASHERS AS SHOWN IN FIGURE 4.

**NOTE**

LEFT-SIDE FRONT TUNNEL INSULATION WILL NEED TO BE PEELED BACK TO GAIN ACCESS TO UNDERBODY P-CLAMP HARDWARE.

- F. ATTACH 12506857 AUXILIARY FUEL TANK WIRING HARNESS TO LOCATOR POINT OF MAIN BODY WIRING HARNESS BEHIND LEFT FRONT BODY HOLDDOWN BRACKET WITH TWO MS3367-2-0 TIEDOWN STRAPS AS SHOWN IN FIGURE 5.
- G. SECURE MAIN BRANCH OF AUXILIARY FUEL TANK WIRING HARNESS TO MAIN BODY WIRING HARNESS WITH MS21333-76 P-CLAMP, MS21333-79 P-CLAMP, MS21333-129 P-CLAMP, TWO SCREWS, NUTS, AND SELF-TAPPING SCREW AS SHOWN IN FIGURE 5.

**NOTE**

PERFORM STEPS H AND I ON VEHICLES WITHOUT ARMOR.

- H. ROUTE AUXILIARY FUEL TANK WIRING HARNESS BRANCH WITH AUXILIARY FUEL TANK SENDING UNIT WIRES 58E AND 28D ALONG LEFT-SIDE FRAME RAIL, ENSURE IT IS TAUT, AND ATTACH TO MAIN BODY WIRING HARNESS WITH FOUR MS3367-2-0 TIEDOWN STRAPS AS SHOWN IN FIGURE 6.
- I. SECURE AUXILIARY FUEL TANK WIRING HARNESS TO MAIN BODY WIRING HARNESS WITH TWO MS21333-75 P-CLAMPS, MS21333-69 P-CLAMP (BUTTERFLY WITH EXISTING P-CLAMP), AND THREE EXISTING SCREWS AS SHOWN IN FIGURE 6.

**NOTE**

PERFORM STEPS J AND K ON VEHICLES WITH ARMOR.

- J. ROUTE AUXILIARY FUEL TANK WIRING HARNESS BRANCH WITH AUXILIARY FUEL TANK SENDING UNIT WIRES 58E AND 28D ALONG LEFT-SIDE FRAME RAIL, ENSURE IT IS TAUT, AND ATTACH TO MAIN BODY WIRING HARNESS WITH THREE MS3367-2-0 TIEDOWN STRAPS AS SHOWN IN FIGURE 7.
- K. SECURE AUXILIARY FUEL TANK WIRING HARNESS TO MAIN BODY WIRING HARNESS WITH TWO MS21333-75 P-CLAMPS AND TWO EXISTING SCREWS AS SHOWN IN FIGURE 7.

**NOTE**

PERFORM STEP L THROUGH N ON A2 AND ECV VEHICLES.

- L. ROUTE AUXILIARY FUEL TANK WIRING HARNESS BRANCH WITH SELECTOR VALVE CONNECTOR AND BATTERY WIRES UNDER AND REARWARD OF SHIFTER LINKAGE AND ATTACH TO MAIN BODY WIRING HARNESS BRANCH WITH MS3367-2-0 TIEDOWN STRAP AS SHOWN IN FIGURE 7.
- M. REMOVE EXISTING P-CLAMPS SECURING MAIN BODY WIRING HARNESS BRANCH ON RIGHT AND LEFT SIDES OF B-BEAM AT UNDERSIDE TUNNEL FLOOR AS SHOWN IN FIGURE 7.

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**NOTE**

WHEN ROUTING AUXILIARY FUEL TANK WIRING HARNESS,  
ENSURE IT IS POSITIONED BETWEEN UNDERSIDE OF TUNNEL  
FLOOR AND MAIN BODY WIRING HARNESS BRANCH.

- N. ROUTE AUXILIARY FUEL TANK WIRING HARNESS BRANCH WITH SELECTOR VALVE CONNECTOR AND BATTERY WIRES ACROSS BOTTOM OF TUNNEL FLOOR TO RIGHT-SIDE FRAME RAIL. SECURE TO MAIN BODY WIRING HARNESS BRANCH AT RIGHT AND LEFT SIDES OF B-BEAM WITH TWO MS21333-78 P-CLAMPS AND EXISTING SCREWS AS SHOWN IN FIGURE 7.

**NOTE**

PERFORM STEP O ON BASIC AND A1 VEHICLES.

- O. ROUTE AUXILIARY FUEL TANK WIRING HARNESS BRANCH WITH SELECTOR VALVE CONNECTOR AND BATTERY WIRES ACROSS ENGINE ACCESS OPENING AND ATTACH TO MAIN BODY WIRING HARNESS WITH TWO MS3367-2-0 TIEDOWN STRAPS AS SHOWN IN FIGURE 8.

**NOTE**

IF VEHICLE IS NOT EQUIPPED WITH REAR CLOSEOUT PANEL  
AND BUSS BAR, PERFORM STEPS P THROUGH Y.

- P. LOCATE, MARK, AND DRILL 0.187-INCH DIAMETER HOLE IN B-BEAM AS SHOWN IN FIGURE 9.  
Q. REMOVE TERMINAL LUG AND INSULATION FROM WIRE 68 (10.5 INCH) OF 12480568-2 FUSE HOLDER ASSEMBLY AS SHOWN IN FIGURE 9.  
R. INSTALL AA52536-2 TERMINAL, 8338567 WASHER, AND 8338566 SHELL ON WIRE 68 (10.5 INCH) AS SHOWN IN FIGURE 9.  
S. INSTALL FUSE HOLDER ASSEMBLY ON B-BEAM WITH 12342499-2 SCREW AS SHOWN IN FIGURE 9.  
T. ROUTE AUXILIARY FUEL TANK WIRING HARNESS WITH NEGATIVE WIRE 277 AND POSITIVE WIRE 278 THROUGH REAR BATTERY BOX HOLE AS SHOWN IN FIGURE 10.  
U. REMOVE TERMINAL LUG AND INSULATION FROM POSITIVE WIRE 278 AS SHOWN IN FIGURE 10.  
V. INSTALL 8338564 TERMINAL, 8338562 SLEEVE, AND 8338561 SHELL ON POSITIVE WIRE 278 AS SHOWN IN FIGURE 10.  
W. ATTACH NEGATIVE WIRE 277 TO NEGATIVE SHUNT TERMINAL WITH EXISTING SCREW AND WASHER AS SHOWN IN FIGURE 10.  
X. CONNECT WIRE 68 (10.5 INCH) TO POSITIVE WIRE 278 AS SHOWN IN FIGURE 11.  
Y. ROUTE WIRE 68 (35 INCH) THROUGH REAR BATTERY BOX HOLE AND ATTACH TO POSITIVE TERMINAL OF REAR BATTERY WITH EXISTING SCREW AND NUT AS SHOWN IN FIGURE 11.

**NOTE**

- PERFORM STEPS Z AND AA IF VEHICLE IS EQUIPPED WITH REAR CLOSEOUT PANEL AND BUSS BAR.
- PERFORM STEPS AI THROUGH AO IF VEHICLE IS EQUIPPED WITH ELECTRIC POWER MANAGER (EPM) KIT 57K4884.

- Z. ROUTE AUXILIARY FUEL TANK WIRING HARNESS WIRES 277 AND 278 THROUGH REAR BATTERY BOX HOLES AS SHOWN IN FIGURE 12.

**NOTE**

POSITIVE 12-VOLT TERMINAL POST LOCATION MAY VARY ON  
CLOSEOUT PANEL.

- AA. CONNECT WIRE 277 TO NEGATIVE POST AND WIRE 278 TO POSITIVE 12-VOLT TERMINAL POST WITH TWO EXISTING NUTS AND EXISTING WASHER TO CLOSEOUT PANEL BUSS BAR AS SHOWN IN FIGURE 13.

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- AB. POSITION AUXILIARY FUEL TANK WIRING HARNESS WIRES 28C, 28E, 58D, AND 58F AT C-BEAM AS SHOWN IN FIGURE 14.
- AC. CONNECT AUXILIARY FUEL TANK WIRING HARNESS WIRES 28C AND 58D TO MAIN BODY HARNESS WIRES 28A AND 58C RESPECTIVELY, AT C-BEAM AS SHOWN IN FIGURE 14.
- AD. ATTACH AUXILIARY FUEL TANK WIRING HARNESS TO MAIN BODY HARNESS AT C-BEAM WITH MS3367-2-0 TIEDOWN STRAP AND SECURE WITH EXISTING J-CLAMP AS SHOWN IN FIGURE 14.
- AE. ROUTE AUXILIARY FUEL TANK WIRING HARNESS BRANCH WITH AUXILIARY FUEL TANK SENDING UNIT WIRES TO CARGO FLOOR SUPPORT BEAM AT REAR OF VEHICLE AND ATTACH TO MAIN BODY WIRING HARNESS WITH EXISTING P-CLAMP, SCREW, AND MS3367-2-0 TIEDOWN STRAP AS SHOWN IN FIGURE 15.
- AF. ROUTE AUXILIARY FUEL TANK WIRING HARNESS BRANCH WITH SELECTOR SWITCH WIRES 275, 276, 277, AND 278 TO LEFT COWL AND INSERT WIRES THROUGH GROMMET AT LEFT COWL AS SHOWN IN FIGURE 16.
- AG. SECURE AUXILIARY FUEL TANK WIRING HARNESS TO MAIN BODY WIRING HARNESS BEHIND INSTRUMENT PANEL WITH THREE MS3367-2-0 TIEDOWN STRAPS AS SHOWN IN FIGURE 17.
- AH. CONNECT AUXILIARY FUEL TANK WIRING HARNESS WIRES 275, 276, 277, AND 278 TO SELECTOR SWITCH WIRES 275, 276, 277, AND 278 RESPECTIVELY, AS SHOWN IN FIGURE 18.
- AI. ROUTE AUXILIARY FUEL TANK WIRING HARNESS WIRES 277 AND 278 THROUGH REAR BATTERY BOX HOLES AS SHOWN IN FIGURE 12.
- AJ. REMOVE TERMINAL LUGS FROM WIRE 277 AND WIRE 278 AS SHOWN IN FIGURE 12.
- AK. INSTALL MS20659 TERMINAL LUG ON WIRE 277 AS SHOWN IN FIGURE 12.
- AL. INSTALL 8338564 TERMINAL, 8338562 SLEEVE, AND 8338561 SHELL ON WIRE 278 AS SHOWN IN FIGURE 12.
- AM. REMOVE NUT, LOCKWASHER, AND WASHER FROM NEGATIVE BUSS BAR AS SHOWN IN FIGURE 13.
- AN. INSTALL WIRE 277 ON NEGATIVE BUSS BAR WITH WASHER, LOCKWASHER, AND NUT AS SHOWN IN FIGURE 13
- AO. CONNECT WIRE 278 TO WIRE A OF EPM AUXILIARY POWER HARNESS ASSEMBLY AS SHOWN IN FIGURE 13.

3-3. VENT AND REAR HARD LINE INSTALLATION.

**NOTE**

PERFORM STEPS A THROUGH H IF VEHICLE HAS A DUAL VENT FITTING ON THE MAIN FUEL TANK FILLER NECK.

- A. DISCONNECT MECHANICAL FUEL PUMP VENT LINE AND MAIN FUEL TANK VENT LINE FROM ELBOWS AT T-FITTING ON MAIN FUEL TANK FILLER NECK AS SHOWN IN FIGURE 19.
- B. REMOVE TWO ELBOWS AT T-FITTING ON MAIN FUEL TANK FILLER NECK AS SHOWN IN FIGURE 19.
- C. REMOVE T-FITTING FROM MAIN FUEL TANK FILLER NECK AS SHOWN IN FIGURE 19.
- D. REMOVE TIEDOWN STRAP FROM VENT LINE AS SHOWN IN FIGURE 19.

**NOTE**

ENSURE ELBOW FITTING THREADS ARE CLEAN AND DRY. APPLY PIPE THREAD SEALANT TO MALE END OF ELBOW FITTING PRIOR TO INSTALLATION ONTO MAIN FUEL TANK FILLER NECK.

- E. INSTALL ELBOW IN MAIN FUEL TANK FILLER NECK AS SHOWN IN FIGURE 20.

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F. INSTALL MAIN FUEL TANK VENT LINE TO ELBOW AS SHOWN IN FIGURE 20.

**NOTE**

A PORTION OF THE MECHANICAL FUEL PUMP VENT LINE IS UTILIZED FOR THIS PROCEDURE. WHERE POSSIBLE, PREVENT DAMAGE TO MECHANICAL FUEL PUMP VENT LINE WHEN REMOVING FROM VEHICLE.

G. DISCONNECT MECHANICAL FUEL PUMP VENT LINE FROM MECHANICAL FUEL PUMP AS SHOWN IN FIGURE 21. REMOVE MECHANICAL FUEL PUMP VENT LINE FROM VEHICLE.

H. REMOVE 90° FITTING FROM HOSE AND MAIN FUEL TANK VENT LINE AND INSTALL 12506843 FITTING IN HOSE AND MAIN FUEL TANK VENT LINE USING EXISTING CLAMP AS SHOWN IN FIGURE 22.

**WARNING**

WHEN ROUTING MECHANICAL FUEL PUMP VENT LINE, ENSURE LINE IS KEPT AWAY FROM RIGHT-SIDE EXHAUST SHIELD. FAILURE TO COMPLY COULD RESULT IN INJURY TO PERSONNEL OR DAMAGE TO EQUIPMENT.

**NOTE**

PERFORM STEPS I AND J ON ALL VEHICLES EXCEPT M1114.

I. CUT, ROUTE, AND INSTALL MECHANICAL FUEL PUMP VENT LINE (35 INCH) TO 12506843 FITTING AND MECHANICAL FUEL PUMP AS SHOWN IN FIGURE 22.

J. REMOVE SCREW, WASHER, NUT, AND P-CLAMP FROM RIGHT-SIDE SPLASH SHIELD AND INSTALL MECHANICAL FUEL PUMP VENT LINE (35 INCH) TO RIGHT-SIDE SPLASH SHIELD WITH MS21333-125 P-CLAMP, EXISTING SCREW, WASHER, AND NUT AS SHOWN IN FIGURE 22.

**NOTE**

PERFORM STEPS K AND L ON M1114 VEHICLES ONLY.

K. CUT AND INSTALL MECHANICAL FUEL PUMP VENT LINE (35 INCH) TO 12506843 FITTING AND MECHANICAL FUEL PUMP AS SHOWN IN FIGURE 23.

L. SECURE MECHANICAL FUEL PUMP VENT LINE AWAY FROM MOVING PARTS AND RIGHT-SIDE EXHAUST SHIELD (NOT SHOWN) WITH TWO MS3367-2-0 TIEDOWN STRAPS AS SHOWN IN FIGURE 23.

**NOTE**

- VEHICLES WITH UNDERBODY INSULATION MAY NEED TO BE MODIFIED TO ALLOW CLEARANCE FOR BOTH REMOVAL AND INSTALLATION OF P-CLAMPS AND HARD LINES.
- PERFORM STEP M FOR A2 AND ECV VEHICLES.

M. REMOVE BRACKET, P-CLAMP, SCREW, WASHER, AND NUT FROM RIGHT-SIDE FRAME RAIL SCREW AND INSTALL M45913/4-8CG8Z NUT AND EXISTING WASHER AS SHOWN IN FIGURE 24.

**NOTE**

PERFORM STEP N FOR BASIC, A1, A2, AND ANY VEHICLE EQUIPPED WITH SOFT REAR DIFFERENTIAL OIL COOLER LINES.

N. REMOVE BRACKET, P-CLAMP, SCREW, WASHER, AND NUT FROM RIGHT-SIDE FRAME RAIL SCREW AND INSTALL 12469414 BRACKET ASSEMBLY, EXISTING WASHER, AND M45913/4-8CG8Z NUT AS SHOWN IN FIGURE 25.

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**NOTE**

WHEN INSTALLING SUPPLY HOSE, ENSURE HOSE IS SEATED 4 INCHES ONTO HARD LINE TO ACT AS A CHAFE GUARD AT REAR-REAR CROSSMEMBER.

- O. CUT AND INSTALL 12338561-4 SUPPLY HOSE (19 INCH) AND 12506886 RETURN HOSE (16.00 INCH) ON 12506852 FUEL SUPPLY AND 12506851 RETURN TUBES RESPECTIVELY WITH TWO 12339884-1 CLAMPS AS SHOWN IN FIGURES 26 AND 27.

**NOTE**

PERFORM STEPS P AND Q ON BASIC, A1, A2, AND ANY VEHICLE EQUIPPED WITH SOFT REAR DIFFERENTIAL OIL COOLER LINES.

- P. POSITION FUEL SUPPLY TUBE AND FUEL RETURN TUBE ON RIGHT-SIDE FRAME RAIL AND SECURE IN PLACE WITH MS21333-127 P-CLAMP AND EXISTING SCREW AS SHOWN IN FIGURE 26.
- Q. ATTACH FUEL SUPPLY TUBE AND FUEL RETURN TUBE TO BRACKET ASSEMBLY WITH 12339660 P-CLAMP, 2436161 WASHER, AND M45913/4-4CG8Z NUT AS SHOWN IN FIGURE 26.

**NOTE**

PERFORM STEPS R AND S ON ECV VEHICLES WITH HARD REAR DIFFERENTIAL OIL COOLER LINES.

- R. POSITION FUEL SUPPLY TUBE AND FUEL RETURN TUBE ON RIGHT-SIDE FRAME RAIL AND SECURE IN PLACE WITH MS21333-129 P-CLAMP AND EXISTING SCREW AS SHOWN IN FIGURE 27.
- S. ATTACH FUEL SUPPLY TUBE, FUEL RETURN TUBE, AND REAR DIFFERENTIAL OIL COOLER LINES TO BRACKET ASSEMBLY WITH TWO 12339660 P-CLAMPS, 2436161 WASHER, AND M45913/4-4CG8Z NUT AS SHOWN IN FIGURE 27.
- T. SECURE FUEL SUPPLY AND RETURN TUBES, VENT TUBES, AND REAR DIFFERENTIAL OIL COOLER LINES (IF APPLICABLE) TO RIGHT-SIDE FRAME RAIL KICK-UP WITH MS3367-2-0 TIEDOWN STRAP AS SHOWN IN FIGURE 28.

3-4. SELECTOR VALVE ASSEMBLY INSTALLATION.

**CAUTION**

IF VEHICLE IS EQUIPPED WITH REAR DIFFERENTIAL OIL COOLER, ENSURE PROTECTION OF COOLER LINES WHEN DRILLING MOUNTING HOLES FOR SELECTOR VALVE BRACKET. FAILURE TO COMPLY MAY RESULT IN DAMAGE TO EQUIPMENT.

- A. LOCATE, MARK, AND DRILL TWO 0.390-INCH DIAMETER HOLES IN RIGHT-SIDE FRAME RAIL, FORWARD OF TRANSMISSION SUPPORT BRACKET. INSTALL TWO 12446871-16 INSERTS IN DRILLED HOLES AS SHOWN IN FIGURE 29.
- B. CUT AND INSTALL TWO 12338561-4 SUPPLY HOSES (11.50 AND 13 INCH) AND 12506886 RETURN HOSES (11.62 AND 9.00 INCH) ON REARWARD SIDE OF 12506858 SELECTOR VALVE ASSEMBLY WITH FOUR 12339884-1 CLAMPS AS SHOWN IN FIGURE 30.
- C. CUT AND INSTALL 12338561-4 SUPPLY HOSE (3 INCH) AND 12506886 RETURN HOSE (4.50 INCH) ON SELECTOR VALVE ASSEMBLY WITH TWO 12339884-1 CLAMPS AS SHOWN IN FIGURE 30.
- D. INSTALL 12506860 BRACKET ON RIGHT-SIDE FRAME RAIL WITH TWO B1821BH025C100N SCREWS, MS35338-44 LOCKWASHERS, AND 2436161 WASHERS AS SHOWN IN FIGURE 31.
- E. INSTALL SELECTOR VALVE ASSEMBLY ON BRACKET WITH TWO B1821BH031C088N SCREWS AND MS35338-45 LOCKWASHERS AS SHOWN IN FIGURE 32.

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- F. SECURE TWO VENT TUBES AND AUXILIARY FUEL TANK SUPPLY AND RETURN LINES TO BRACKET ON RIGHT-SIDE FRAME RAIL WITH TWO MS21333-126 P-CLAMPS AND SCREW AS SHOWN IN FIGURE 33.
- G. INSTALL AUXILIARY FUEL TANK SUPPLY AND RETURN LINES TO SUPPLY AND RETURN HOSES AT SELECTOR VALVE ASSEMBLY WITH TWO 12339884-1 CLAMPS AS SHOWN IN FIGURE 33.
- H. CUT AND INSTALL 12338560-5 RETURN HOSE (4.75 INCH) AND 12506879 REDUCER ON RETURN HOSE AT SELECTOR VALVE ASSEMBLY WITH 12339884 CLAMP AND 12339884-1 CLAMP AS SHOWN IN FIGURE 33.

**NOTE**

PERFORM STEPS I AND J ON BASIC AND A1 VEHICLES.

- I. SECURE AUXILIARY FUEL TANK WIRING HARNESS TO MAIN BODY WIRING HARNESS AT RIGHT SIDE OF VEHICLE WITH MS3367-2-0 TIEDOWN STRAP AS SHOWN IN FIGURE 34.

**NOTE**

ENSURE CONNECTOR FULLY SEATS AND LOCKS ONTO HOUSING WHEN INSTALLING AUXILIARY FUEL TANK WIRING HARNESS ON SELECTOR VALVE ASSEMBLY.

- J. CONNECT SELECTOR VALVE CONNECTOR FROM AUXILIARY FUEL TANK WIRING HARNESS TO SELECTOR VALVE ASSEMBLY AS SHOWN IN FIGURE 34.

**NOTE**

PERFORM STEP K ON A2 AND ECV VEHICLES.

- K. CONNECT SELECTOR VALVE CONNECTOR FROM AUXILIARY FUEL TANK WIRING HARNESS TO SELECTOR VALVE ASSEMBLY LOCATED ON RIGHT SIDE OF VEHICLE AS SHOWN IN FIGURE 35.

**3-5. FRONT FUEL LINE INSTALLATION.**

- A. INSTALL 12338170 L-BRACKET ON MOTOR MOUNT BRACKET WITH B1821BH038C100N SCREW, TWO 2436163 WASHERS, AND M45913/4-6CG8Z NUT AS SHOWN IN FIGURE 36.
- B. REMOVE EXISTING BRACKET FROM OUTER RIGHT-SIDE FRAME RAIL AND INSTALL 12447165 L-BRACKET WITH EXISTING SCREW AS SHOWN IN FIGURE 36.

**CAUTION**

ENSURE ARROWS ON CHECK VALVES ARE ORIENTED IN THE DIRECTION OF FUEL FLOW. SUPPLY CHECK VALVE ARROW SHOULD BE DIRECTED TOWARD THE ENGINE AND THE RETURN CHECK VALVE ARROW SHOULD BE DIRECTED TOWARD THE FUEL TANK. FAILURE TO COMPLY MAY RESULT IN DAMAGE TO EQUIPMENT.

**NOTE**

APPLY 5934432 LOCKING COMPOUND TO THREADS OF CHECK VALVE AND CONNECTORS PRIOR TO INSTALLATION.

- C. INSTALL 12342953-3 CHECK VALVE AND TWO 12342951-2 CONNECTORS ON SUPPLY HOSE AND 12338561-4 SUPPLY HOSE (11.50 INCH) WITH TWO 12339884-1 CLAMPS AS SHOWN IN FIGURE 37.
- D. INSTALL 12342953-1 CHECK VALVE, 12342951-1 CONNECTOR, AND 12506844 CONNECTOR ON RETURN HOSE WITH 12339884-1 CLAMP AND 12338560-5 RETURN HOSE (11.50 INCH) ON CONNECTOR WITH 12339884 CLAMP AS SHOWN IN FIGURE 37.
- E. INSTALL TWO 12506842 INSULATION COVERS ON RETURN AND SUPPLY FUEL HOSES AS SHOWN IN FIGURE 38.

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- F. INSTALL 12338561-4 SUPPLY HOSE (5.50 INCH) AND 5934824-4 CONDUIT (4 INCH) ON FUEL PUMP INLET FITTING WITH 12339884-1 CLAMP AS SHOWN IN FIGURE 38.
- G. INSTALL 12506855 FUEL SUPPLY LINE TO HOSE AT FUEL PUMP AND FUEL SUPPLY HOSE ASSEMBLY WITH TWO 12339884-1 CLAMPS AS SHOWN IN FIGURE 38.
- H. INSTALL 12506854 FUEL RETURN LINE TO HOSE AT FUEL RAIL RETURN LINE AND FUEL RETURN HOSE ASSEMBLY WITH TWO 12339884 CLAMPS AS SHOWN IN FIGURE 38.

**NOTE**

ROLLOVER VENT TUBE DOES NOT GET SECURED AT MOTOR MOUNT BRACKET P-CLAMP.

- I. SECURE FUEL RETURN TUBE ASSEMBLY, FUEL SUPPLY TUBE ASSEMBLY, AND TWO EXISTING VENT TUBES ON MOTOR MOUNT L-BRACKET WITH MS21333-129 P-CLAMP AND 271153 SCREW AS SHOWN IN FIGURE 38.
- J. SECURE FUEL RETURN TUBE ASSEMBLY, FUEL SUPPLY TUBE ASSEMBLY, ROLLOVER VENT TUBE, AND TWO EXISTING VENT TUBES ON RIGHT-SIDE FRAME RAIL BRACKET WITH MS21333-129 P-CLAMP AND 271153 SCREW AS SHOWN IN FIGURE 38.
- K. SECURE TWO INSULATION COVERS TO FUEL SUPPLY AND RETURN LINES WITH TWO 12506884 TIEDOWN STRAPS AS SHOWN IN FIGURE 39.

**3-6. REAR BUMPER ASSEMBLY INSTALLATION.**

**NOTE**

- FOR ECV VEHICLES, ONLY FIVE OF THE SIX HOLES ARE DRILLED IN REAR-REAR CROSSMEMBER. THE TOP CENTER HOLE IS NOT DRILLED FOR THIS APPLICATION.
- AFTER LOCATING TEMPLATE ON REAR-REAR CROSSMEMBER, CLAMP IN PLACE PRIOR TO DRILLING PILOT HOLES.

- A. USING 12506839 REAR-REAR CROSSMEMBER TEMPLATE, LOCATE, MARK, AND DRILL FOUR 0.125-INCH DIAMETER PILOT HOLES, MARKED A AND B, THROUGH EACH SIDE (EIGHT HOLES TOTAL) OF REAR-REAR CROSSMEMBER AS SHOWN IN FIGURE 40.
- B. USING FOUR CENTER-DRILLED HOLES MARKED A, OF REAR-REAR CROSSMEMBER, REPOSITION AND ALIGN REAR-REAR CROSSMEMBER TEMPLATE AS SHOWN IN FIGURE 41.
- C. WITH REAR-REAR CROSSMEMBER TEMPLATE IN PLACE, LOCATE, MARK, AND DRILL TWO 0.125-INCH DIAMETER PILOT HOLES, MARKED C, THROUGH EACH SIDE (FOUR HOLES TOTAL) OF REAR-REAR CROSSMEMBER AS SHOWN IN FIGURE 41.
- D. ENLARGE TWELVE HOLES DRILLED IN STEPS A AND C TO 0.328-INCH DIAMETER AS SHOWN IN FIGURES 40 AND 41.

**NOTE**

PERFORM STEPS E AND F IF VEHICLE IS EQUIPPED WITH REAR BRAKE PROTECTION GUARDS.

- E. INSTALL TWO REAR BRAKE PROTECTION GUARDS ON REAR AND REAR-REAR CROSSMEMBERS WITH EIGHT SCREWS, SIXTEEN WASHERS, AND EIGHT NUTS AS SHOWN IN FIGURE 42.
- F. WITH REAR BRAKE PROTECTION GUARDS INSTALLED, REDRILL 0.328-INCH DIAMETER HOLES MARKED A THROUGH REAR-REAR CROSSMEMBER AND REAR BRAKE PROTECTION GUARDS AS SHOWN IN FIGURE 42.

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- G. REMOVE LOWER SCREW, TWO WASHERS, AND NUT FROM BOTH LEFT AND RIGHT FRAME RAIL AND REAR-REAR CROSSMEMBER AS SHOWN IN FIGURE 43.
- H. INSTALL 12506850 REAR BUMPER REINFORCEMENT AND TWO EXISTING SPACER PLATES BETWEEN FRAME RAILS AND EXISTING MOUNTING BRACKETS AND TWO SPACER PLATES ON OUTBOARD FRAME RAILS WITH EIGHT EXISTING SCREWS, SIXTEEN 2436165 WASHERS, AND EIGHT M45913/4-8CG8Z NUTS AS SHOWN IN FIGURE 44. DO NOT TIGHTEN NUTS.
- I. INSTALL 12506848 BUMPER REINFORCEMENT PLATE AND REAR BUMPER ON MOUNTING BRACKETS WITH EIGHT EXISTING SCREWS, SIXTEEN 2436165 WASHERS, AND EIGHT M45913/4-8CG8Z NUTS AS SHOWN IN FIGURE 44. DO NOT TIGHTEN NUTS.
- J. INSTALL TWO 12506847 OUTER REAR BUMPER BRACE ASSEMBLIES ON REAR BUMPER ASSEMBLY WITH FOUR EXISTING SCREWS, EIGHT 2436165 WASHERS, AND FOUR M45913/4-8CG8Z NUTS AS SHOWN IN FIGURE 45. DO NOT TIGHTEN NUTS.

**NOTE**

IF VEHICLE IS EQUIPPED WITH RICO SPARE TIRE CARRIER KIT  
(PART NO. 34623-6035862) PERFORM STEPS K AND L.

- K. PRIOR TO REINSTALLATION, VERTICALLY ELONGATE TWO MOUNTING HOLES OF REAR BUMPER SUPPORT BRACKET AS SHOWN IN FIGURE 45.
- L. INSTALL TWO 12506856 REAR BUMPER BRACE ASSEMBLIES AND REAR BUMPER SUPPORT BRACKET ON REAR BUMPER WITH TWO B1821BH050C400N SCREWS, SCREWS, EIGHT 2436165 WASHERS, AND FOUR M45913/4-8CG8Z NUTS AS SHOWN IN FIGURE 45. DO NOT TIGHTEN NUTS.
- M. INSTALL TWO 12506846 REAR BUMPER BRACE ASSEMBLIES ON REAR BUMPER WITH FOUR SCREWS, EIGHT 2436165 WASHERS, AND FOUR M45913/4-8CG8Z NUTS AS SHOWN IN FIGURE 45. DO NOT TIGHTEN NUTS.
- N. ATTACH REAR BUMPER BRACE ASSEMBLIES TO FRAME RAILS WITH TWO B1821BH075C700N SCREWS, FOUR 2436168 WASHERS, AND TWO M45913/4-12CG8Z NUTS AS SHOWN IN FIGURE 45. DO NOT TIGHTEN NUTS.
- O. SECURE REAR BUMPER BRACE ASSEMBLIES AND OUTER REAR BUMPER BRACE ASSEMBLIES TO FRAME RAILS WITH TWO B1821BH050C700N SCREWS, FOUR 2436165 WASHERS, AND TWO M45913/4-8CG8Z NUTS AS SHOWN IN FIGURE 45. DO NOT TIGHTEN NUTS.
- P. TIGHTEN NUTS IN STEP N.

**NOTE**

IF VEHICLE IS EQUIPPED WITH RICO SPARE TIRE CARRIER KIT  
(PART NO. 34623-6035862) PERFORM STEP Q.

- Q. TIGHTEN NUTS IN STEP L.
- R. TIGHTEN NUTS IN STEP M.
- S. TIGHTEN NUTS IN STEP I.
- T. TIGHTEN NUTS IN STEP J.
- U. TIGHTEN NUTS IN STEP H.
- V. TIGHTEN NUTS IN STEP O.
- W. INSTALL TWO CONNECTORS ON REAR BUMPER ASSEMBLY WITH TWO EXISTING WASHERS, NUTS, AND MS24665-513 COTTER PINS AS SHOWN IN FIGURE 45.

INSTALLATION INSTRUCTIONS, AUXILIARY FUEL TANK	SIZE	CAGE CODE	12506824		
	A	19207			
(AMG V7135)		10-08-19	REVISION LEVEL	B	SHEET 13

**NOTE**

IT MAY BE NECESSARY TO ADD ADDITIONAL 12338195 PINTLE HOOK SPACER TO REAR OF TOWING PINTLE TO FACILITATE PROPER COTTER PIN TO SLOTTED NUT ALIGNMENT.

- X. INSTALL EXISTING SAFETY CHAIN PLATE, RETAINING PLATE, TWO 12338195 PINTLE HOOK SPACERS, AND MOUNTING BRACKET ON REAR BUMPER ASSEMBLY WITH FOUR EXISTING SCREWS, EIGHT 2436165 WASHERS, AND FOUR M45913/4-8CG8Z NUTS AS SHOWN IN FIGURE 46. TIGHTEN FOUR NUTS TO 90 LB-FT (122 N•m).
- Y. INSTALL TOWING PINTLE ON REAR BUMPER ASSEMBLY AND SECURE TO MOUNTING BRACKET WITH EXISTING WASHER AND SLOTTED NUT AS SHOWN IN FIGURE 46. LOOSEN SLOTTED NUT SLIGHTLY IF TOWING PINTLE WILL NOT ROTATE EASILY.
- Z. ALIGN HOLE IN TOWING PINTLE AND SLOTTED NUT AND INSTALL MS24665-628 COTTER PIN THROUGH SLOTTED NUT AND TOWING PINTLE AS SHOWN IN FIGURE 46.
- AA. INSTALL ELECTRICAL CONNECTOR, COVER PLATE, AND ELECTRICAL CONNECTOR COVER ON REAR BUMPER WITH SIX EXISTING SCREWS (TWO LONG AND FOUR SHORT) AND SIX 271172 LOCKNUTS AS SHOWN IN FIGURE 47.

**NOTE**

PERFORM STEPS AB AND AC ON M1114 VEHICLES ONLY.

- AB. INSTALL 12469440-4 SPIRAL WRAP ON TUBE ASSEMBLY AT REAR WINCH HYDRAULIC LINES (NOT SHOWN).
- AC. SECURE REAR WINCH HYDRAULIC LINES TO CARGO FLOOR SUPPORT BEAM WITH MS21333-84 P-CLAMP AND SCREW AS SHOWN IN FIGURE 48.

**3-7. INSTALL FUEL FILLER HOUSING AND TUBE ASSEMBLY.**

- A. LOCATE, MARK, AND DRILL 5.00-INCH DIAMETER HOLE IN RIGHT REAR FENDER AS SHOWN IN FIGURE 49.
- B. LOCATE, MARK, AND DRILL FOUR 0.250-INCH DIAMETER HOLES IN RIGHT REAR FENDER AS SHOWN IN FIGURE 49.
- C. INSTALL FOUR 12339426 SPEEDNUTS ON OUTER EDGE OF 5.00-INCH DIAMETER HOLE AS SHOWN IN FIGURE 50.
- D. INSTALL 12506885 FUEL FILLER HOUSING ON RIGHT REAR FENDER WITH FOUR 12340792 SCREWS AS SHOWN IN FIGURE 51.
- E. INSERT 12342096 STRAINER ASSEMBLY INSIDE 12506867 FILLER TUBE ASSEMBLY AS SHOWN IN FIGURE 52.

**NOTE**

APPLY PIPE THREAD SEALANT TO MALE END OF FITTING PRIOR TO INSTALLATION.

- F. INSTALL 12506845 FITTING ON FILLER TUBE ASSEMBLY AS SHOWN IN FIGURE 53.
- G. ATTACH FILLER TUBE ASSEMBLY TO FUEL FILLER HOUSING WITH 12506877 REINFORCEMENT PLATE, THREE NAS1352-4LL14P SCREWS, MS35338-44 LOCKWASHERS, AND 2436161 WASHERS AS SHOWN IN FIGURES 52 AND 53.

**NOTE**

VEHICLES EQUIPPED WITH ARMOR REQUIRE 12506840 TAMPER-RESISTANT FILLER CAP.

- H. INSTALL 12506841 T-HANDLE FILLER CAP ON FILLER TUBE ASSEMBLY AS SHOWN IN FIGURE 52.

**INSTALLATION INSTRUCTIONS,  
AUXILIARY FUEL TANK**

SIZE	CAGE CODE
<b>A</b>	<b>19207</b>

**12506824**

(AMG V7135)

10-08-19

REVISION LEVEL

**B**

SHEET 14

- I. ATTACH GROUND STRAP ON FILLER TUBE ASSEMBLY TO RIGHT REAR COMPOSITE ASSEMBLY GROUND WITH EXISTING SCREW AND WASHER AS SHOWN IN FIGURE 54.
- J. LOCATE, MARK, AND DRILL TWO 0.390-INCH DIAMETER HOLES IN RIGHT REAR FENDER AS SHOWN IN FIGURE 55.
- K. INSTALL TWO 12446871-2 INSERTS IN HOLES DRILLED IN PREVIOUS STEP AS SHOWN IN FIGURE 56.
- L. INSTALL REFLECTOR ON RIGHT REAR FENDER WITH TWO SCREWS AND 121753 LOCKWASHERS AS SHOWN IN FIGURE 56.

3-8. AUXILIARY FUEL TANK INSTALLATION.

**NOTE**

APPLY 5934432 LOCKING COMPOUND TO SCREW THREADS PRIOR TO INSTALLATION OF SKID PLATE ASSEMBLY.

- A. INSTALL 12506863 SKID PLATE ASSEMBLY ON 12506864 AUXILIARY FUEL TANK WITH SIX B1821BH025F063N SCREWS AND 10910174-20 WASHERS AS SHOWN IN FIGURE 57.
- B. INSTALL 12506862 LH AND 12506861 RH SKID PLATE BRACKETS ON SKID PLATE ASSEMBLY WITH FOUR B1821BH038C100N SCREWS AND 120394 WASHERS AS SHOWN IN FIGURE 57. DO NOT TIGHTEN SCREWS UNTIL AUXILIARY TANK IS IN FINAL POSITION.
- C. CUT AND ATTACH 12338561-4 HOSE (42 INCH) AND 12506872 CONDUIT TO AUXILIARY FUEL TANK WITH 12339884-1 CLAMP AS SHOWN IN FIGURE 58.
- D. CUT AND ATTACH CPR104420-2 TUBE (63 INCH), 12506843 FITTING, 12506879 REDUCER, 12506886 RETURN HOSE (16.50 INCH), AND 12506878 CONDUIT TO AUXILIARY FUEL TANK WITH 12339884-1 CLAMP AS SHOWN IN FIGURE 58.
- E. PARTIALLY RAISE AUXILIARY FUEL TANK INTO POSITION AND ATTACH RETURN HOSE AND SUPPLY HOSE TO AUXILIARY FUEL TANK WITH TWO 12339884-1 CLAMPS AS SHOWN IN FIGURE 59.
- F. CONNECT AUXILIARY WIRING HARNESS WIRES 58E AND 28D TO AUXILIARY FUEL TANK SENDING UNIT WIRES AS SHOWN IN FIGURE 60.
- G. RAISE AUXILIARY FUEL TANK ASSEMBLY AND SECURE TO REAR BUMPER REINFORCEMENT WITH FOUR B1821BH038C100N SCREWS, EIGHT 2436163 WASHERS, AND FOUR M45913/4-6CG8Z NUTS AS SHOWN IN FIGURE 61.

**NOTE**

- INSERT SPACERS FROM TOP OF REAR-REAR CROSSMEMBER.
- VEHICLES EQUIPPED WITH REAR DIFFERENTIAL OIL COOLERS REQUIRE FIVE SPACERS, ALL OTHERS WILL REQUIRE SIX SPACERS.

- H. PLACE SIX 12338186-69 SPACERS INSIDE OF REAR-REAR CROSSMEMBER AND SUPPORT WITH SIX 453039 SCREWS AS SHOWN IN FIGURE 62.
- I. SECURE SKID PLATE ASSEMBLY TO REAR-REAR CROSSMEMBER WITH SIX SCREWS AND M45913/4-5CG8Z NUTS AS SHOWN IN FIGURE 63. DO NOT TIGHTEN NUTS.
- J. TIGHTEN SKID PLATE BRACKETS TO SKID PLATE AS SHOWN IN FIGURE 57.
- K. TIGHTEN SKID PLATE ASSEMBLY TO REAR-REAR CROSSMEMBER AS SHOWN IN FIGURE 63.
- L. TIGHTEN AUXILIARY FUEL TANK ASSEMBLY TO REAR BUMPER REINFORCEMENT AS SHOWN IN FIGURE 61.
- M. ATTACH HOSE (42 INCH) FROM AUXILIARY FUEL TANK TO FITTING ON FILLER TUBE ASSEMBLY WITH 12339884-1 CLAMP AS SHOWN IN FIGURE 64.

INSTALLATION INSTRUCTIONS, AUXILIARY FUEL TANK	SIZE	CAGE CODE	12506824		
	A	19207			
	(AMG V7184)	10-11-04	REVISION LEVEL	C	SHEET 15

- N. ATTACH 12506856 HOSE TO AUXILIARY FUEL TANK WITH 11608950-10 CLAMP AS SHOWN IN FIGURE 59.
- O. ATTACH HOSE TO FILLER TUBE ASSEMBLY WITH 11608950-10 CLAMP AS SHOWN IN FIGURE 64.
- P. SECURE HOSE (42 INCH) TO FILLER TUBE ASSEMBLY AND HOSE WITH THREE MS3367-2-0 TIEDOWN STRAPS AS SHOWN IN FIGURE 64.
- Q. ROUTE AUXILIARY FUEL TANK ROLLOVER VENT TUBE FORWARD ALONG RIGHT-SIDE FRAME RAIL AS SHOWN IN FIGURE 65.
- R. BEGINNING AT TOP OF KICK-UP AND ATTACHING FORWARD, SECURE ROLLOVER VENT TUBE (APPROXIMATELY EVERY FOURTEEN INCHES) TO EXISTING FUEL LINES, VENT TUBES, AND REAR DIFFERENTIAL OIL COOLER LINES (IF EQUIPPED) WITH FOUR MS3367-2-0 TIEDOWN STRAPS AS SHOWN IN FIGURE 65.
- S. LOCATE, MARK, AND CUT 8 INCHES OF EXISTING ROLLOVER VENT TUBE FROM FRONT OF VEHICLE AND ATTACH TO FITTING AS SHOWN IN FIGURE 66.
- T. INSTALL CPR104420-2 TUBE (12 INCH, MAIN FUEL TANK VENT LINE) TO FITTING AS SHOWN IN FIGURE 66.

3-9. FINAL PREPARATION.

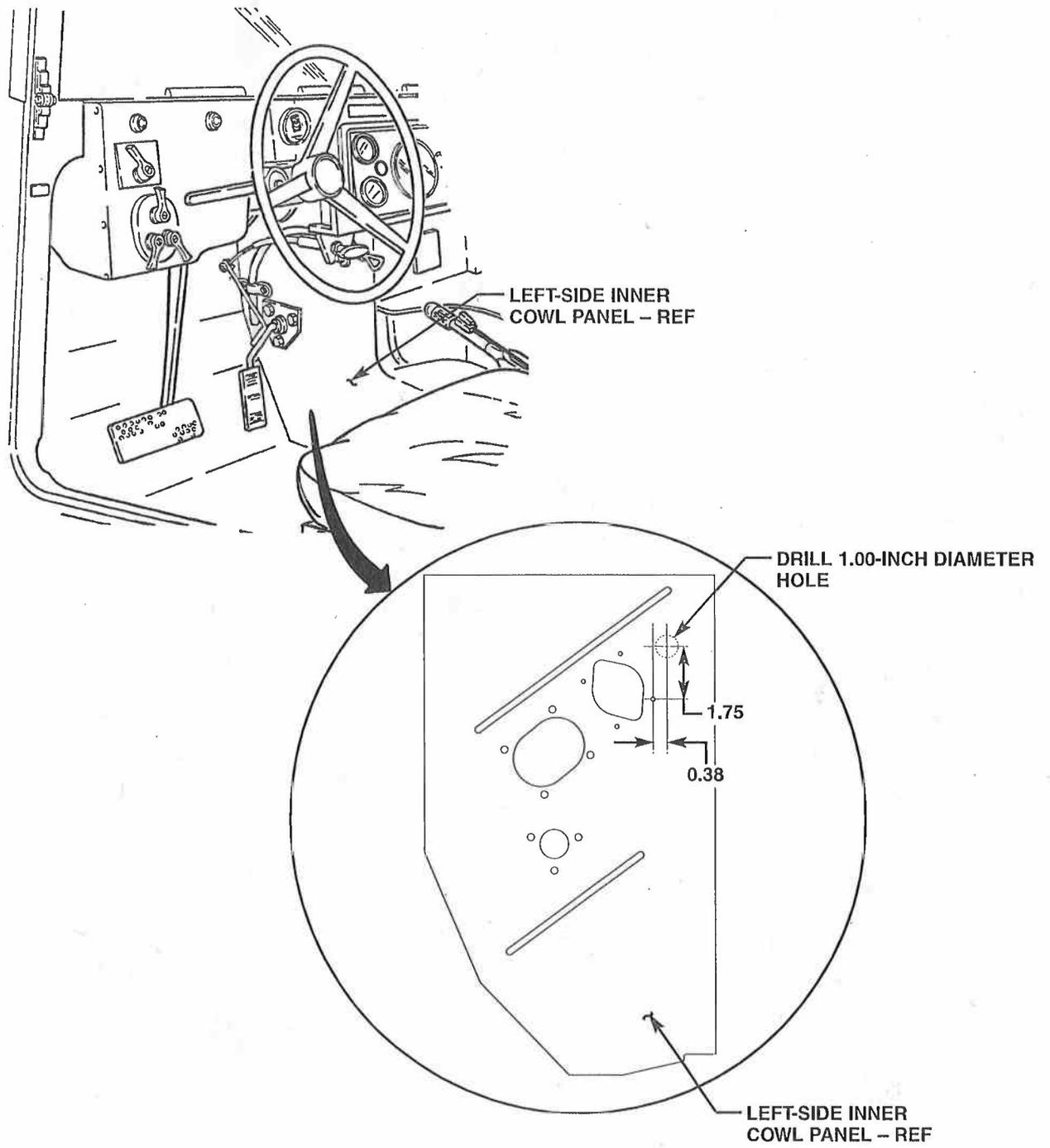
- A. INSTALL STARTER (M1151, M1152, AND M1165 ARMORED VEHICLES ONLY). (REFER TO TM 9-2320-387-24.)
- B. INSTALL MAIN FUEL TANK. (REFER TO TM 9-2320-280-20 OR TM 9-2320-387-24.)
- C. INSTALL ENGINE ACCESS COVER. (REFER TO TM 9-2320-280-20 OR TM 9-2320-387-24.)
- D. CONNECT BATTERY NEGATIVE GROUND CABLE. (REFER TO TM 9-2320-280-20 OR TM 9-2320-387-24.)

**NOTE**

PRIOR TO INSTALLATION, UNDERDASH CLOSEOUT PANEL MAY NEED TO BE MODIFIED TO ACCOMODATE SELECTOR SWITCH MOUNTING.

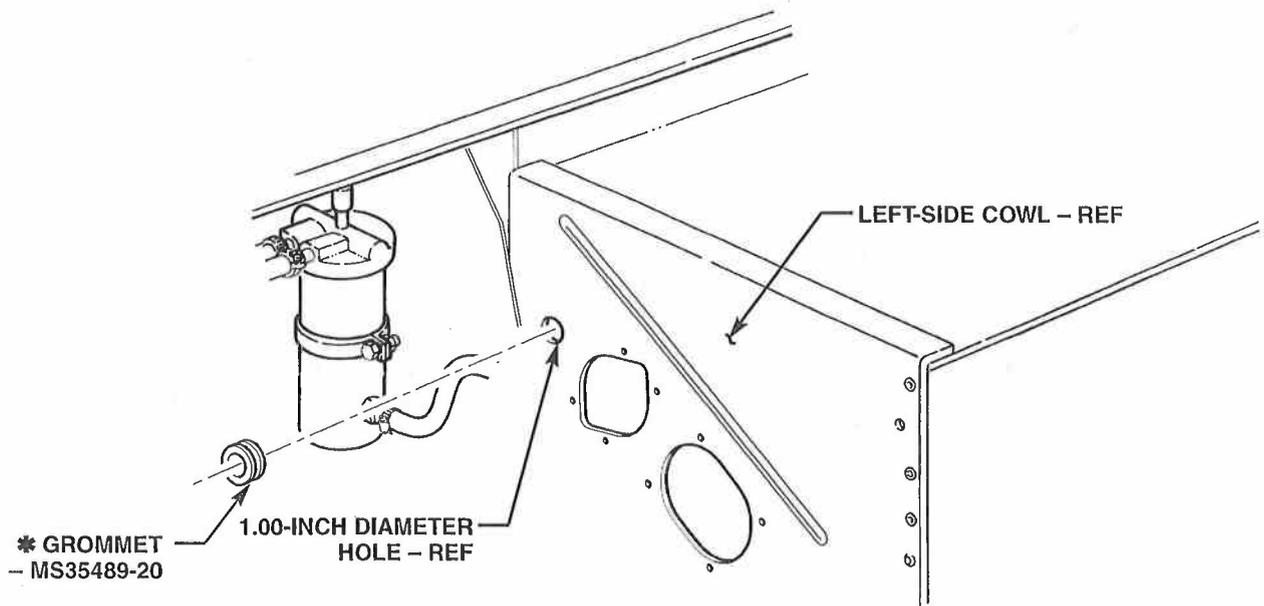
- E. INSTALL UNDERDASH CLOSEOUT PANEL, IF REMOVED. (REFER TO TM 9-2320-387-24.)

<b>INSTALLATION INSTRUCTIONS, AUXILIARY FUEL TANK</b>	SIZE	CAGE CODE	<b>12506824</b>		
	A	19207	(AMG V7135)	10-08-19	REVISION LEVEL B
			SHEET 16		



**FIGURE 1**

<b>INSTALLATION INSTRUCTIONS, AUXILIARY FUEL TANK</b>	SIZE <b>A</b>	CAGE CODE <b>19207</b>	<b>12506824</b>		
	(AMG V7135)	10-08-19	REVISION LEVEL	<b>B</b>	SHEET 17



**FIGURE 2**

<b>INSTALLATION INSTRUCTIONS, AUXILIARY FUEL TANK</b>	SIZE <b>A</b>	CAGE CODE <b>19207</b>	<b>12506824</b>		
	(AMG V7135)	10-08-19	REVISION LEVEL	<b>B</b>	SHEET 18

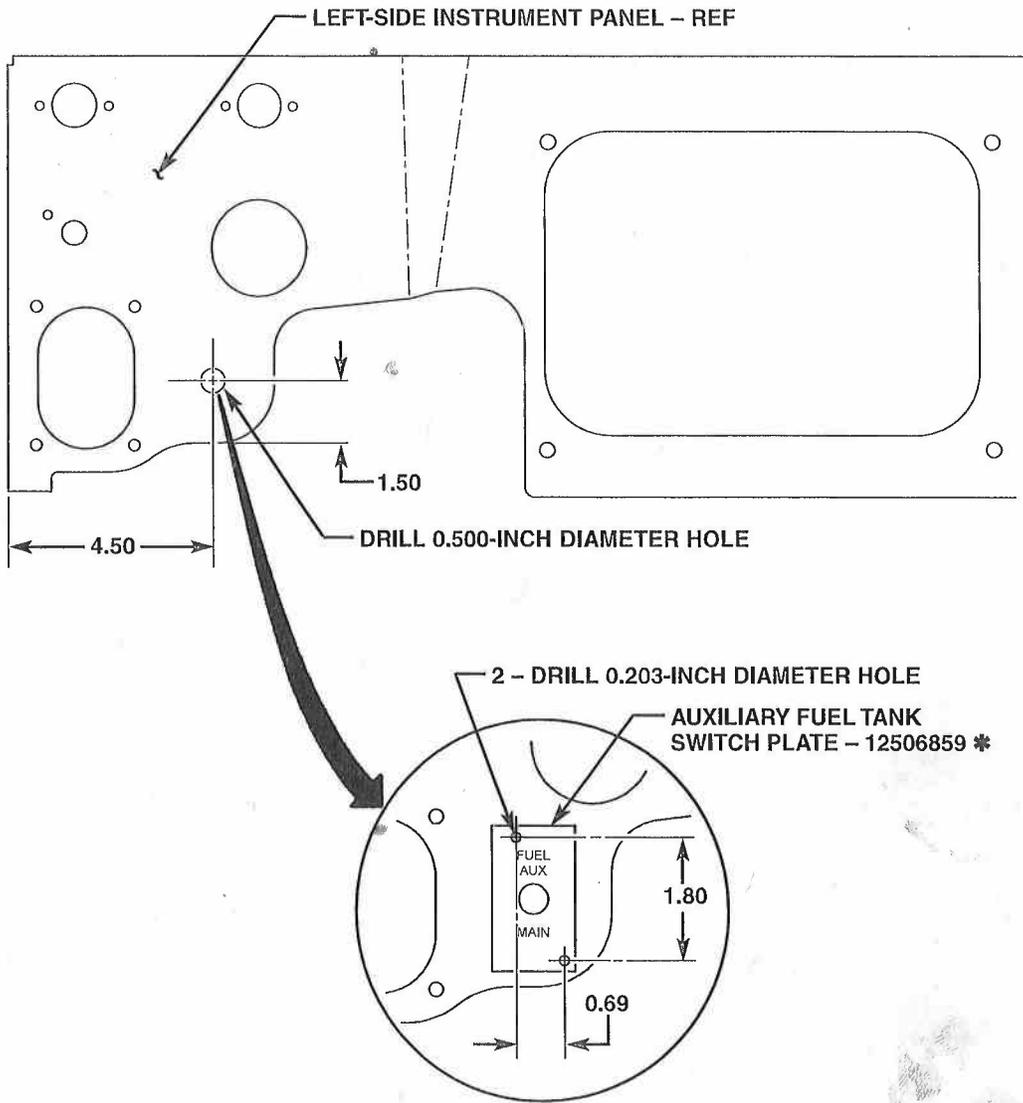


FIGURE 3

INSTALLATION INSTRUCTIONS, AUXILIARY FUEL TANK	SIZE	CAGE CODE	12506824		
	A	19207			
(AMG V7135)	10-08-19	REVISION LEVEL	B	SHEET 19	

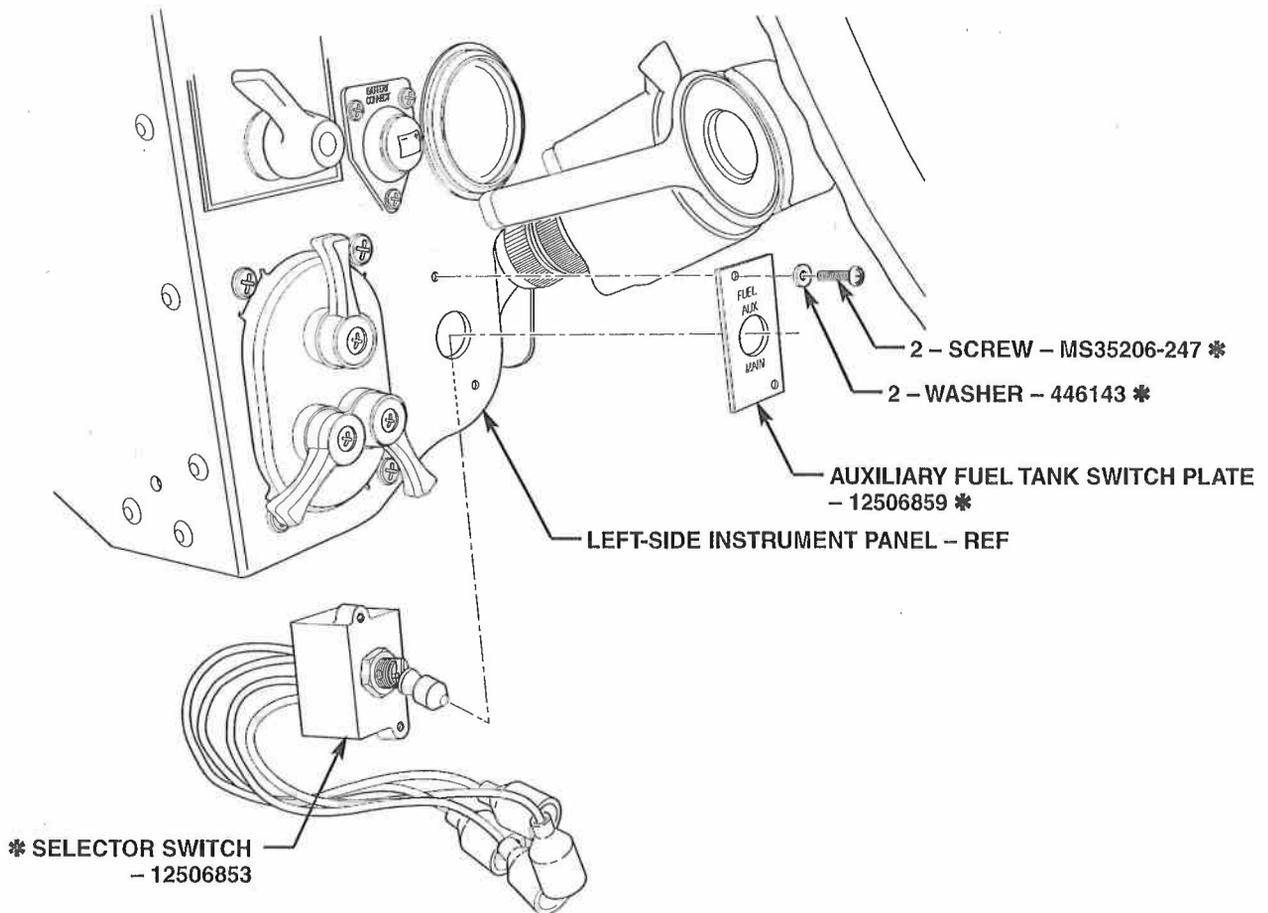
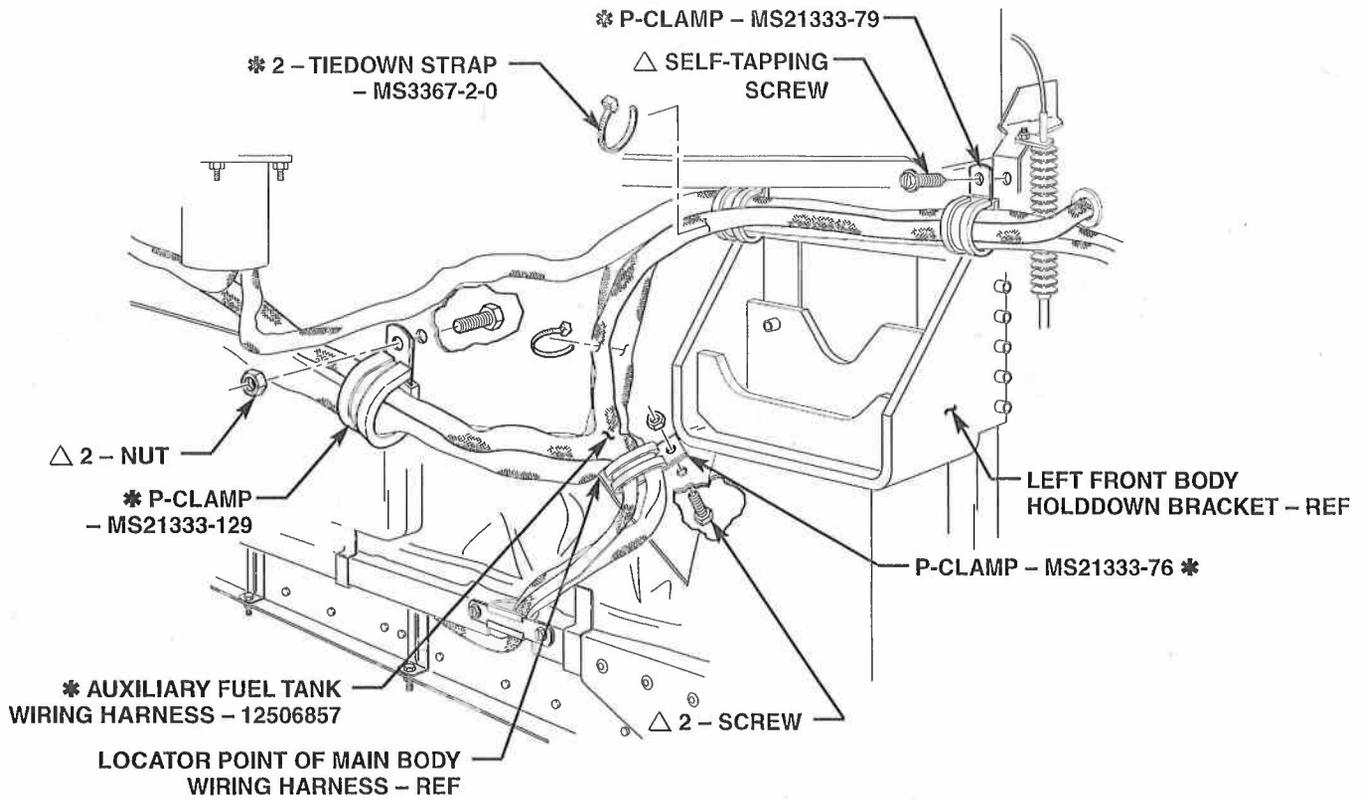


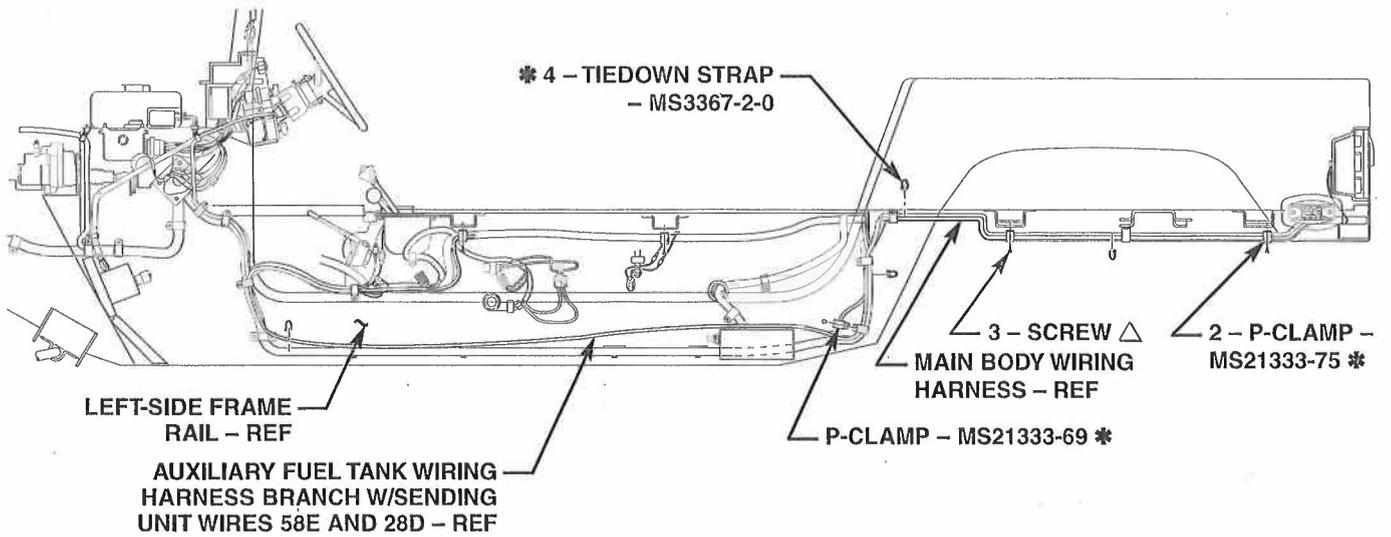
FIGURE 4

INSTALLATION INSTRUCTIONS, AUXILIARY FUEL TANK	SIZE	CAGE CODE	12506824		
	A	19207			
(AMG V7135)		10-08-19	REVISION LEVEL	B	SHEET 20



**FIGURE 5**

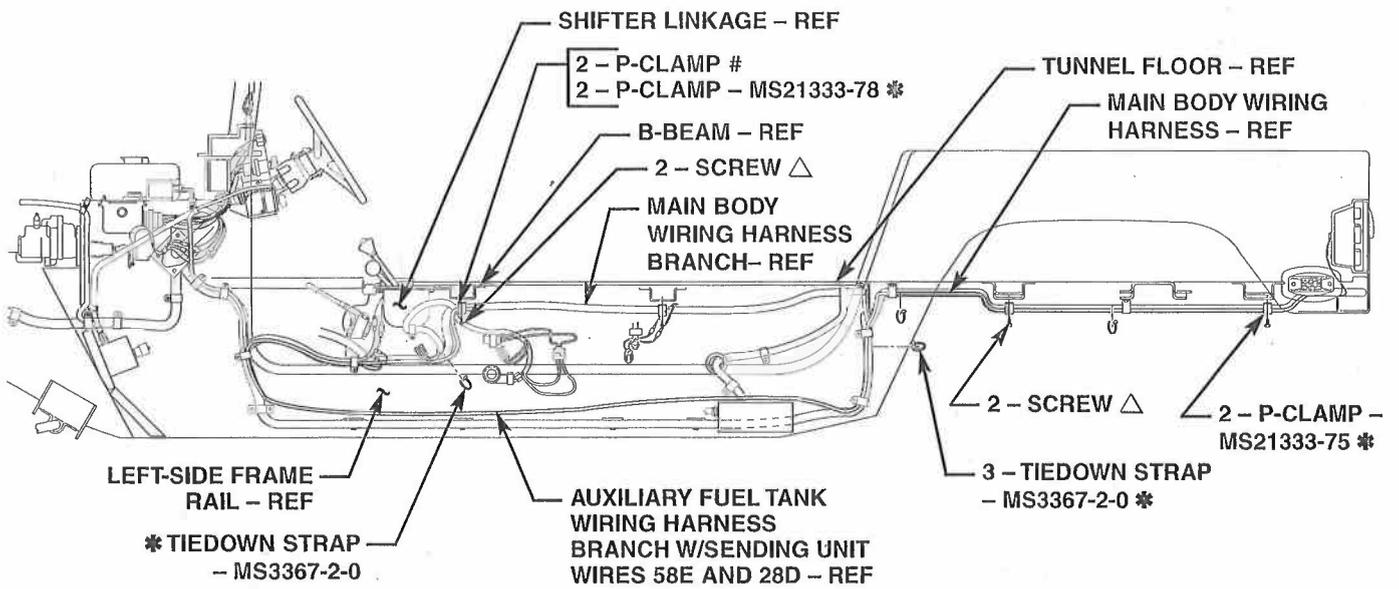
INSTALLATION INSTRUCTIONS, AUXILIARY FUEL TANK	SIZE	CAGE CODE	12506824		
	A	19207			
(AMG V7135)	10-08-19	REVISION LEVEL	B	SHEET 21	



VEHICLES W/O ARMOR

FIGURE 6

INSTALLATION INSTRUCTIONS, AUXILIARY FUEL TANK	SIZE	CAGE CODE	12506824		
	A	19207			
(AMG V7135)		10-08-19	REVISION LEVEL	B	SHEET 22



VEHICLES WITH ARMOR  
LEFT SIDE SHOWN

FIGURE 7

INSTALLATION INSTRUCTIONS,  
AUXILIARY FUEL TANK

SIZE  
A

CAGE CODE  
19207

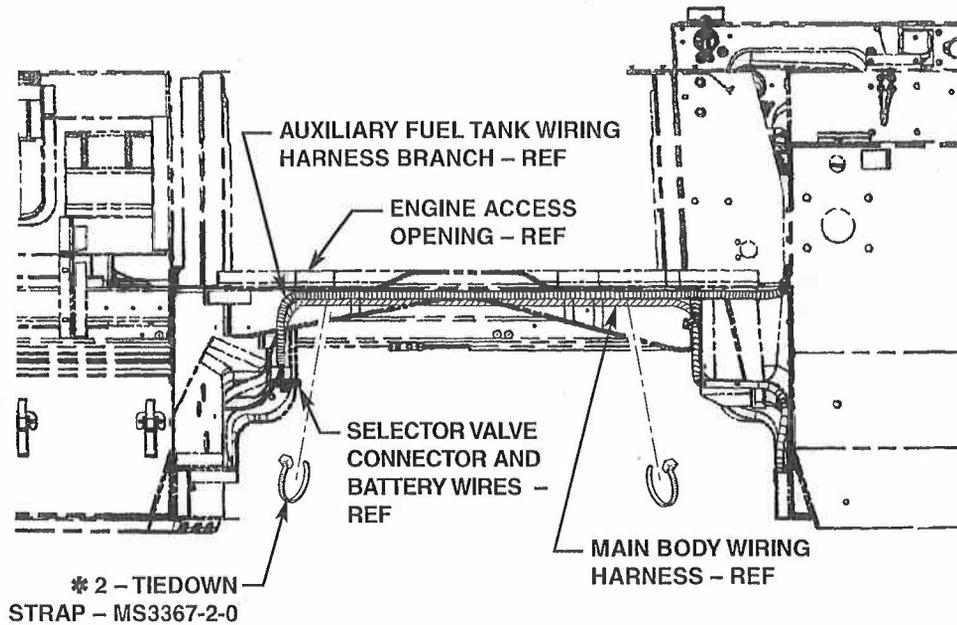
12506824

(AMG V7135)

10-08-19

REVISION LEVEL B

SHEET 23



FOR BASIC AND A1 VEHICLES

FIGURE 8

INSTALLATION INSTRUCTIONS, AUXILIARY FUEL TANK	SIZE	CAGE CODE	12506824		
	A	19207			
(AMG V7135)		10-08-19	REVISION LEVEL	B	SHEET 24

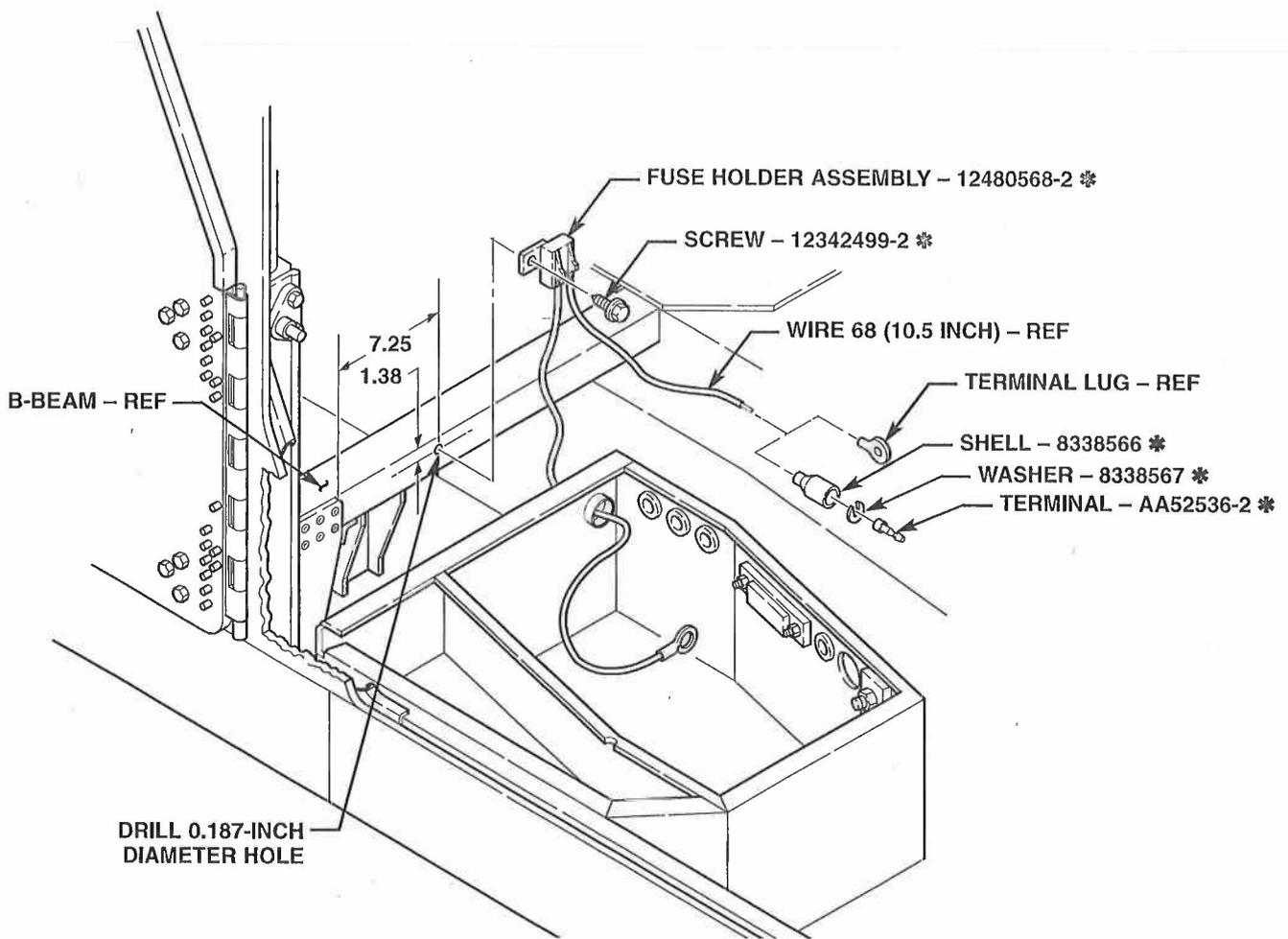


FIGURE 9

INSTALLATION INSTRUCTIONS, AUXILIARY FUEL TANK	SIZE <b>A</b>	CAGE CODE <b>19207</b>	<b>12506824</b>		
	(AMG V7135)	10-08-19	REVISION LEVEL	<b>B</b>	SHEET 25

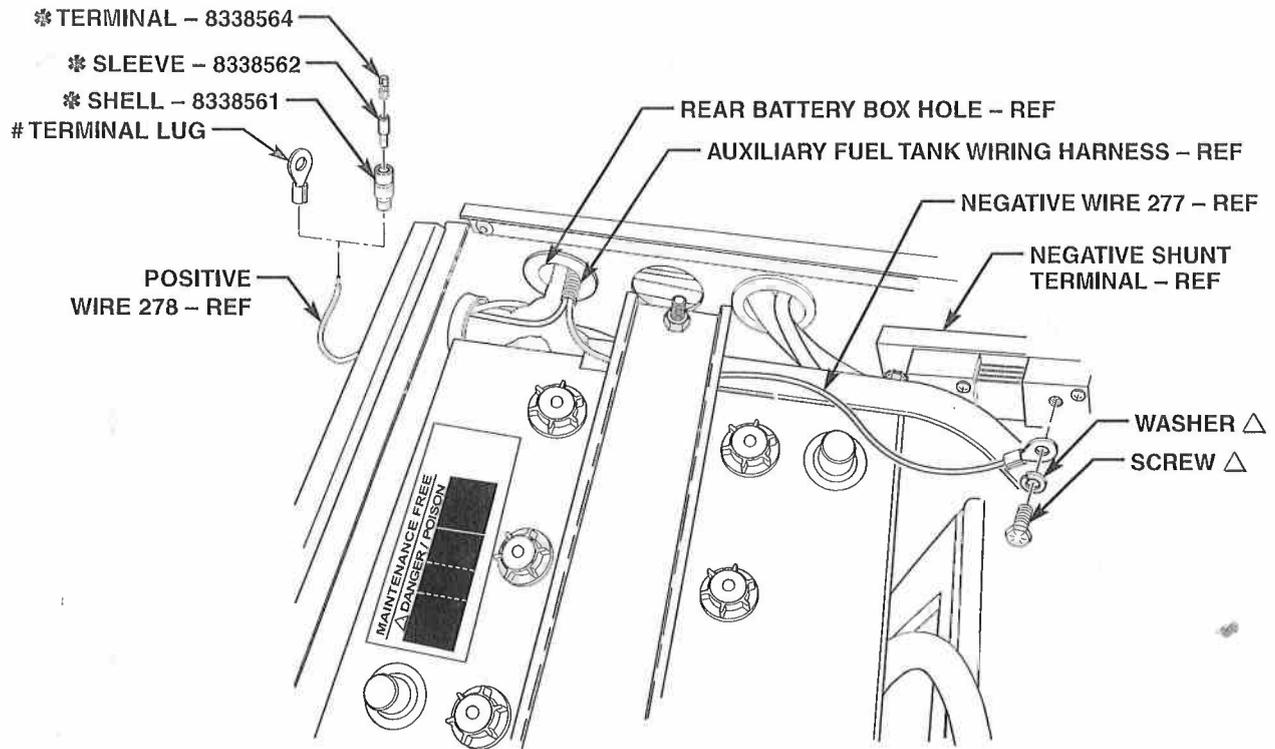
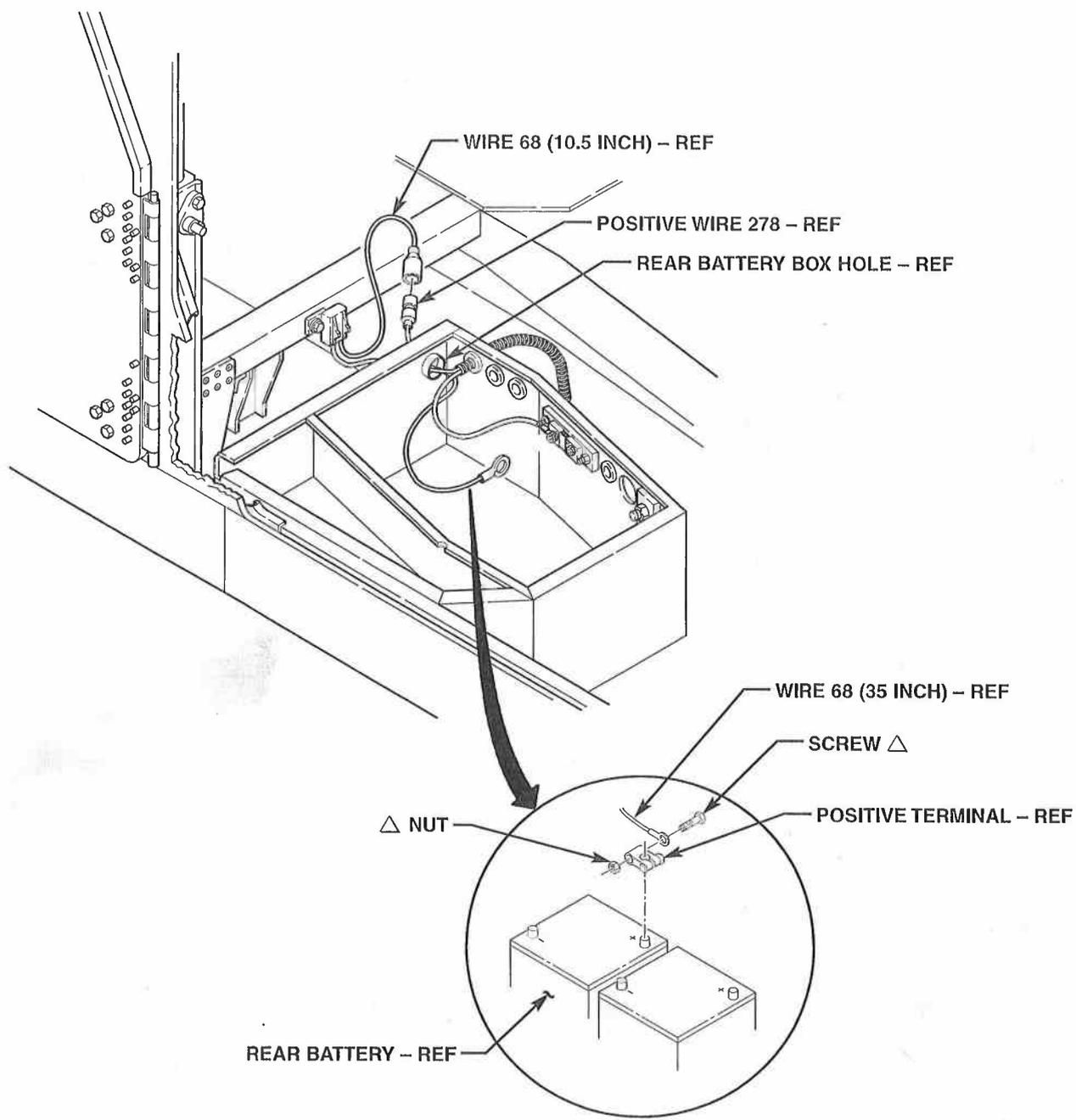


FIGURE 10

INSTALLATION INSTRUCTIONS, AUXILIARY FUEL TANK	SIZE <b>A</b>	CAGE CODE <b>19207</b>	<b>12506824</b>		
	(AMG V7135)	10-08-19	REVISION LEVEL	<b>B</b>	SHEET 26



BATTERY NOT SHOWN IN BATTERY BOX FOR CLARITY

FIGURE 11

<b>INSTALLATION INSTRUCTIONS, AUXILIARY FUEL TANK</b>	SIZE <b>A</b>	CAGE CODE <b>19207</b>	<b>12506824</b>		
	(AMG V7135)	10-08-19	REVISION LEVEL	<b>B</b>	SHEET 27

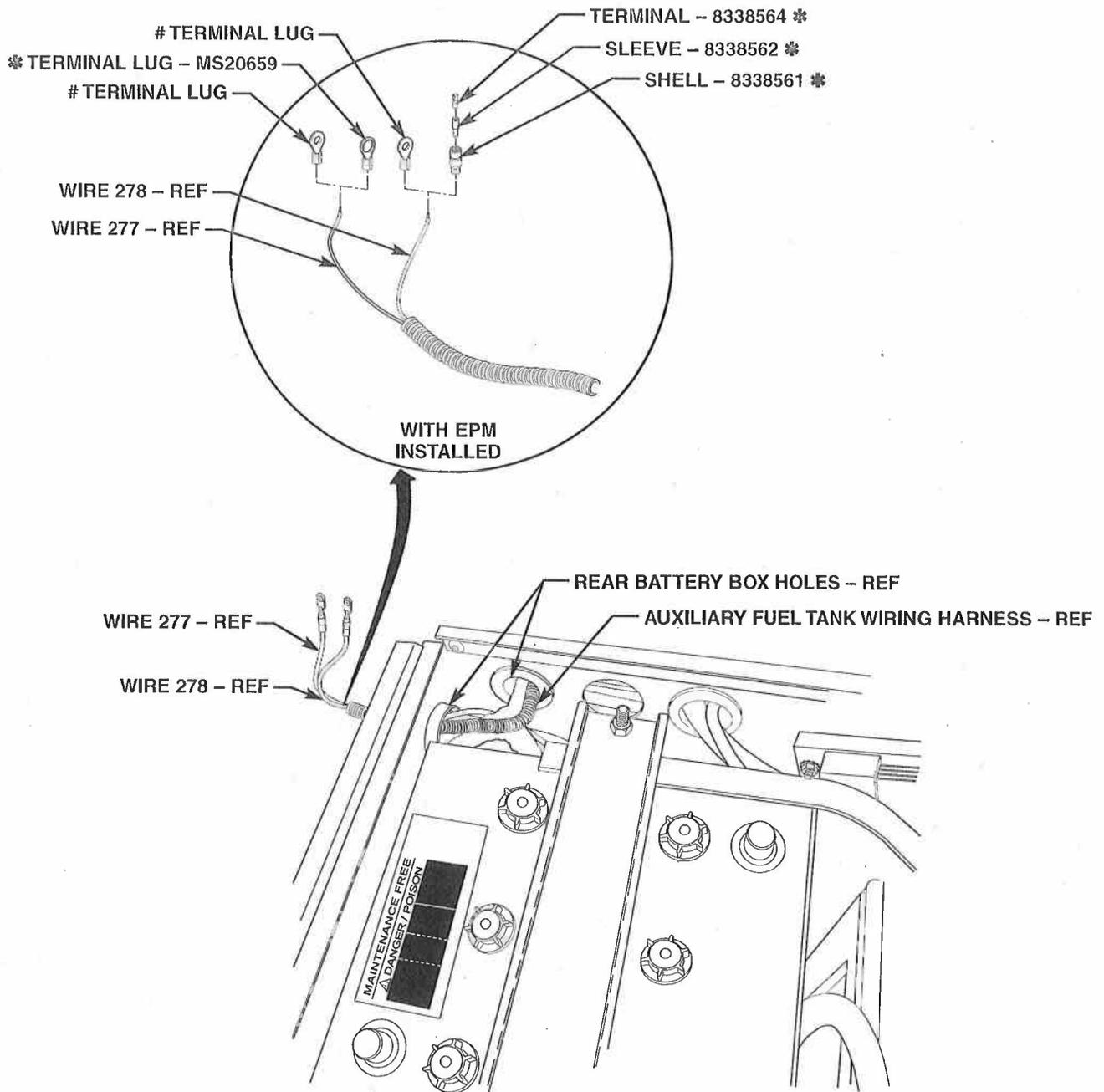
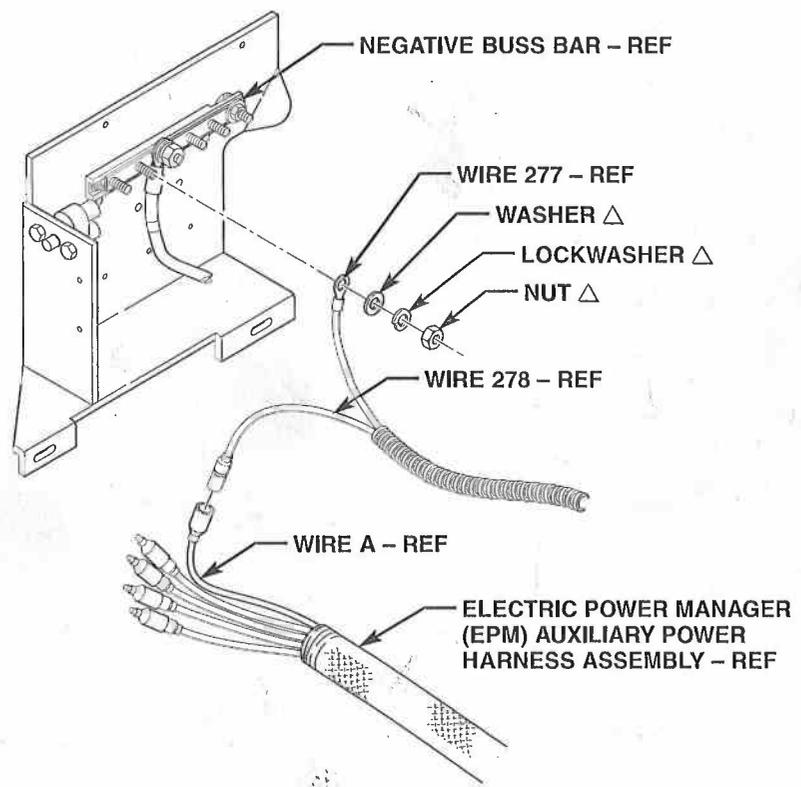
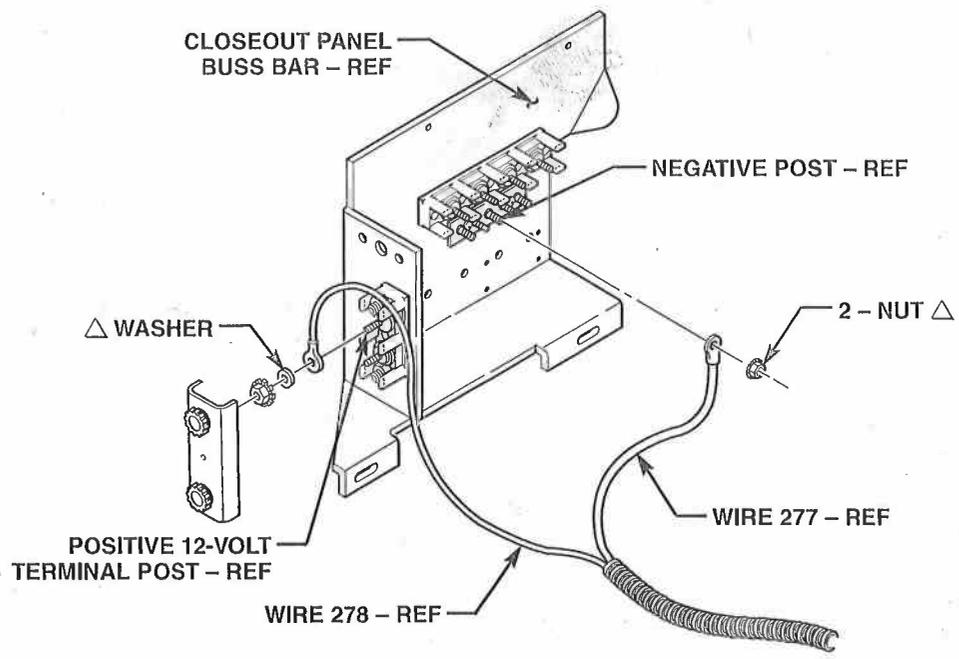


FIGURE 12

INSTALLATION INSTRUCTIONS, AUXILIARY FUEL TANK	SIZE	CAGE CODE	<b>12506824</b>		
	A	19207			
(AMG V7135)		10-08-19	REVISION LEVEL	B	SHEET 28



WITH EPM INSTALLED

FIGURE 13

INSTALLATION INSTRUCTIONS, AUXILIARY FUEL TANK	SIZE	CAGE CODE	12506824		
	A	19207			
(AMG V7135)		10-08-19	REVISION LEVEL	B	SHEET 29

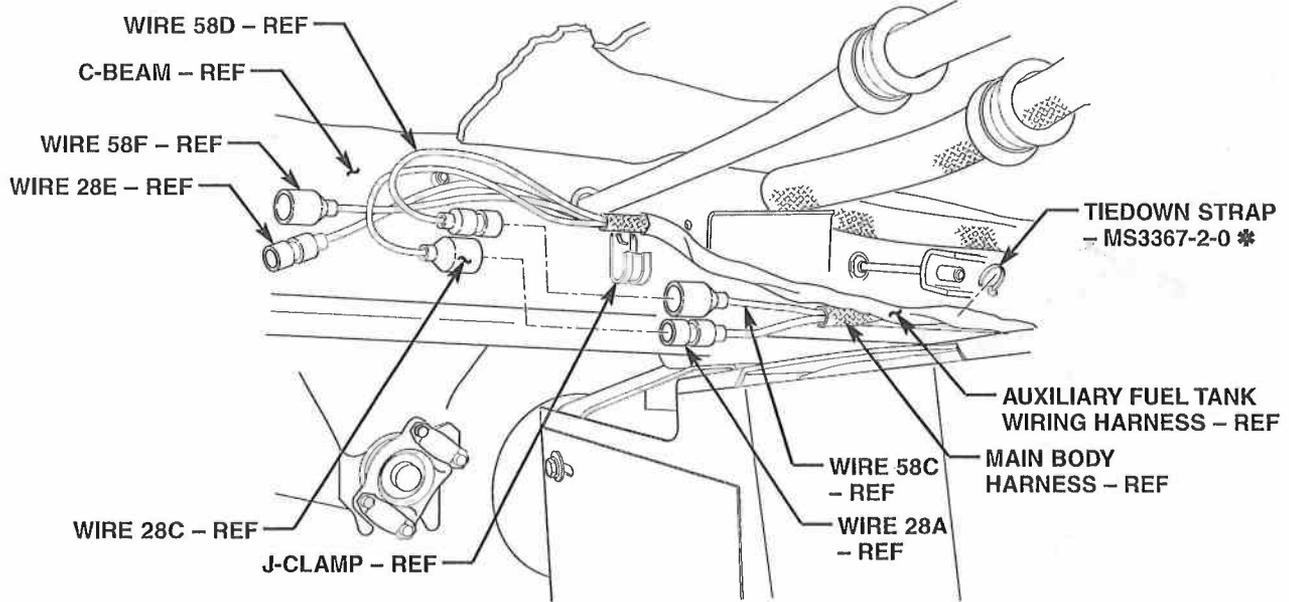


FIGURE 14

INSTALLATION INSTRUCTIONS, AUXILIARY FUEL TANK	SIZE	CAGE CODE	12506824		
	A	19207			
(AMG V7135)		10-08-19	REVISION LEVEL	B	SHEET 30

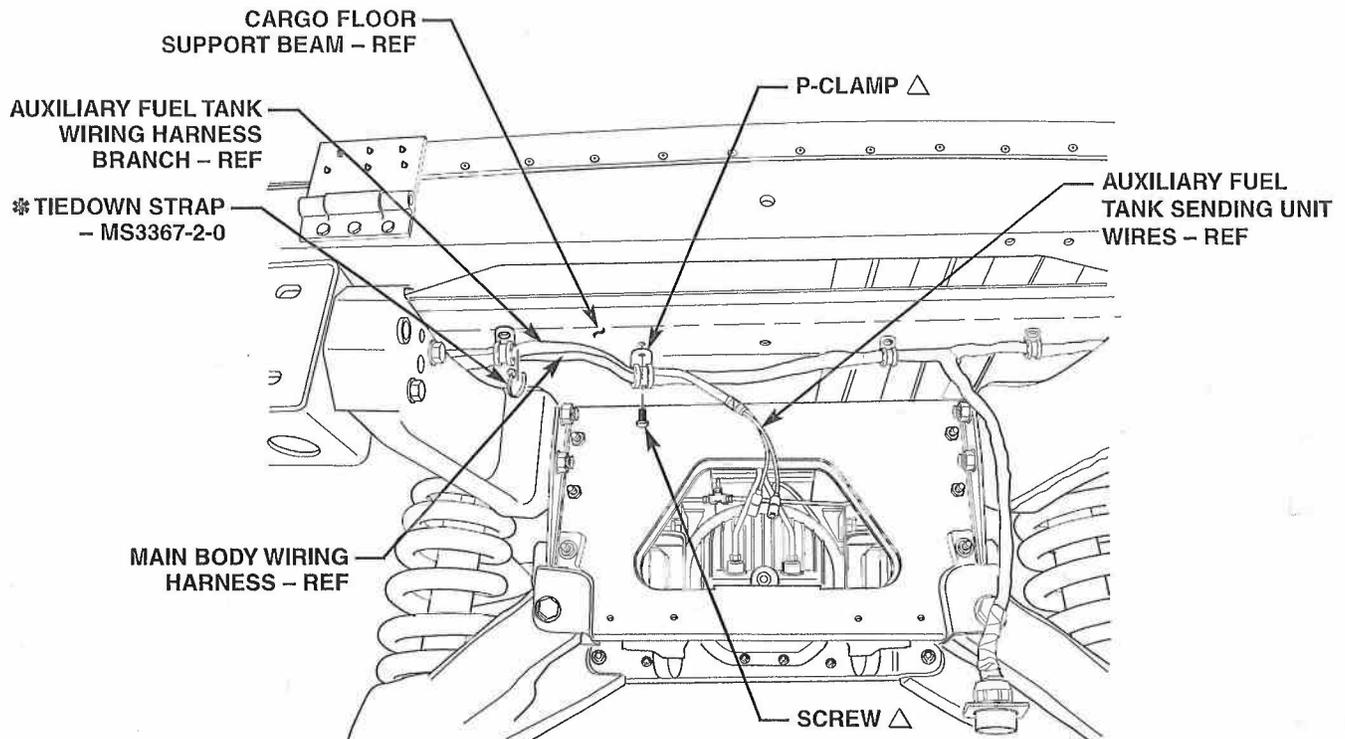


FIGURE 15

INSTALLATION INSTRUCTIONS,  
AUXILIARY FUEL TANK

SIZE	CAGE CODE
A	19207

12506824

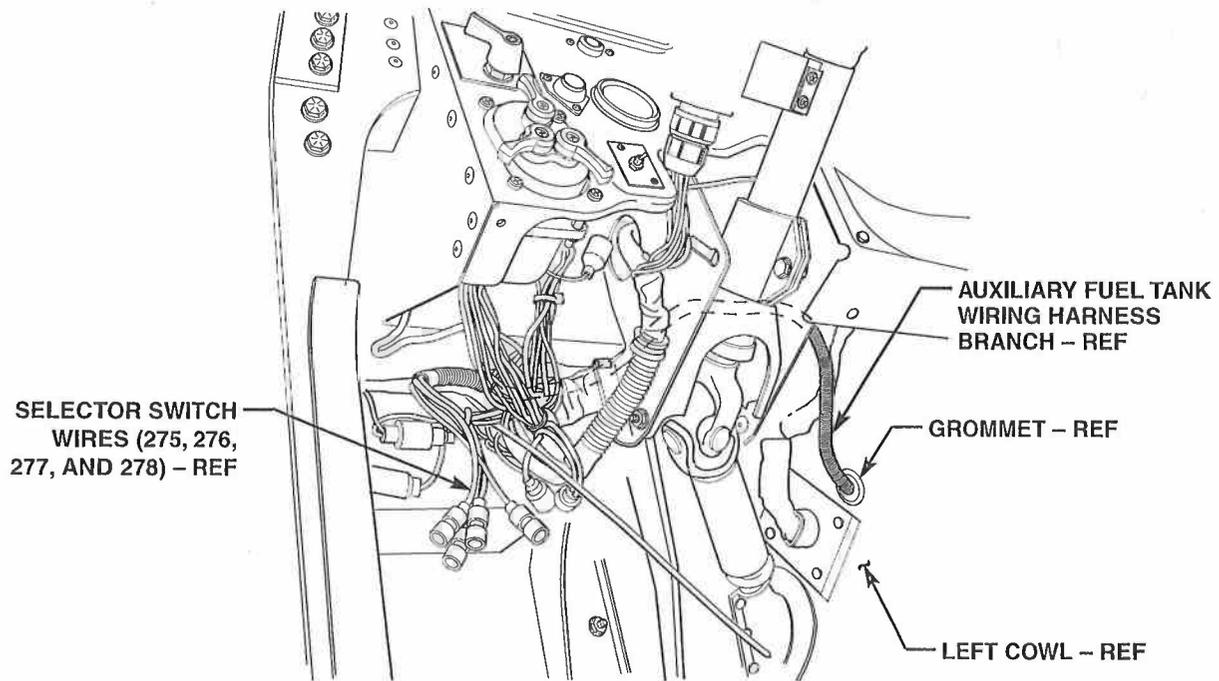
(AMG V7135)

10-08-19

REVISION LEVEL

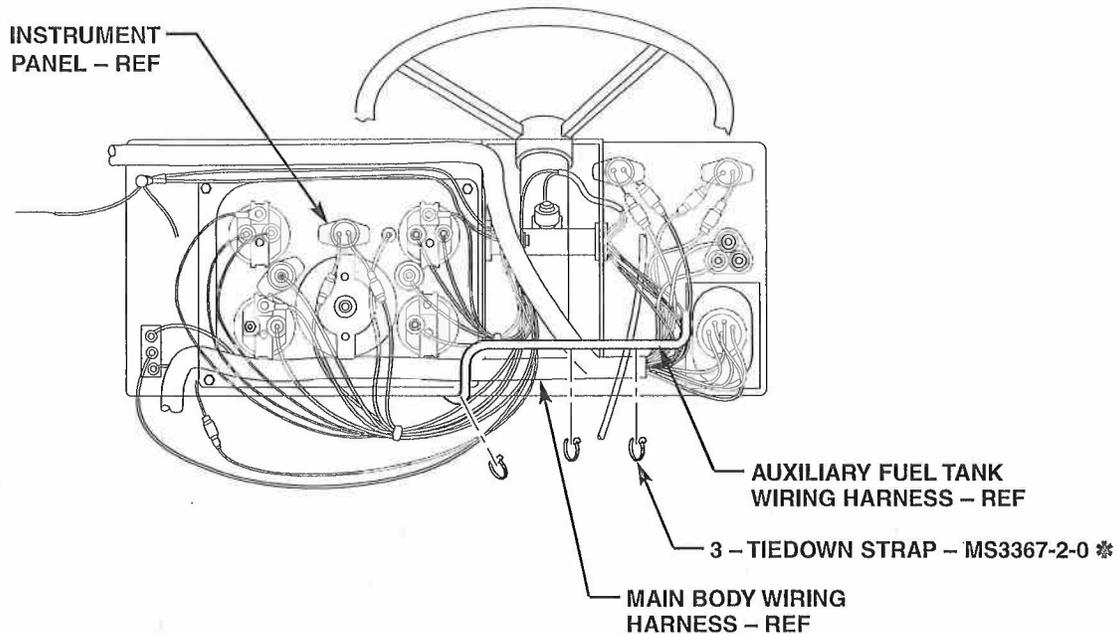
B

SHEET 31



**FIGURE 16**

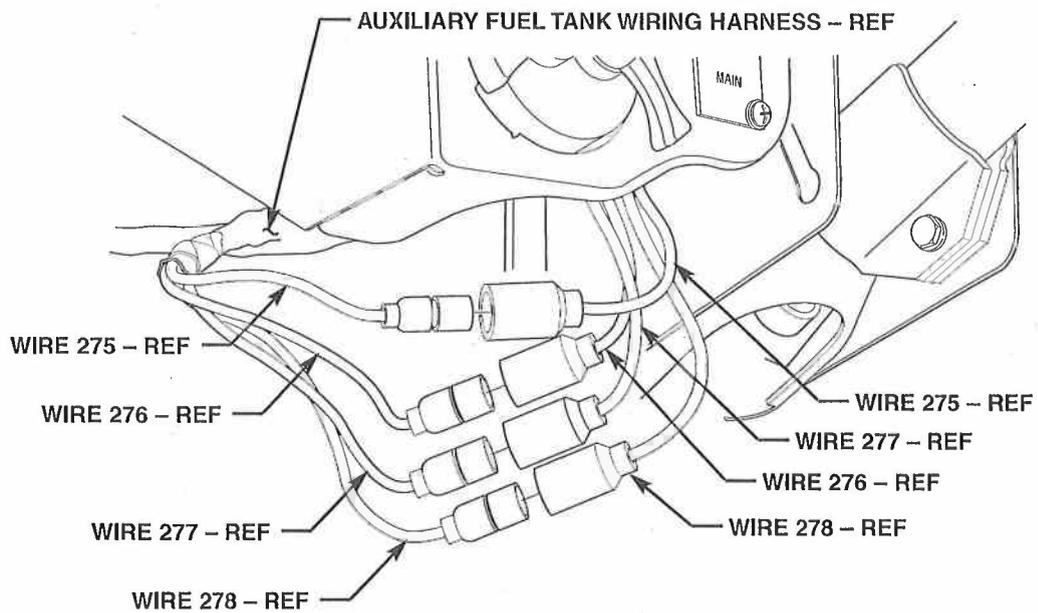
INSTALLATION INSTRUCTIONS, AUXILIARY FUEL TANK	SIZE	CAGE CODE	<b>12506824</b>		
	<b>A</b>	<b>19207</b>			
(AMG V7135)	10-08-19	REVISION LEVEL	<b>B</b>	SHEET 32	



REAR VIEW OF INSTRUMENT PANEL

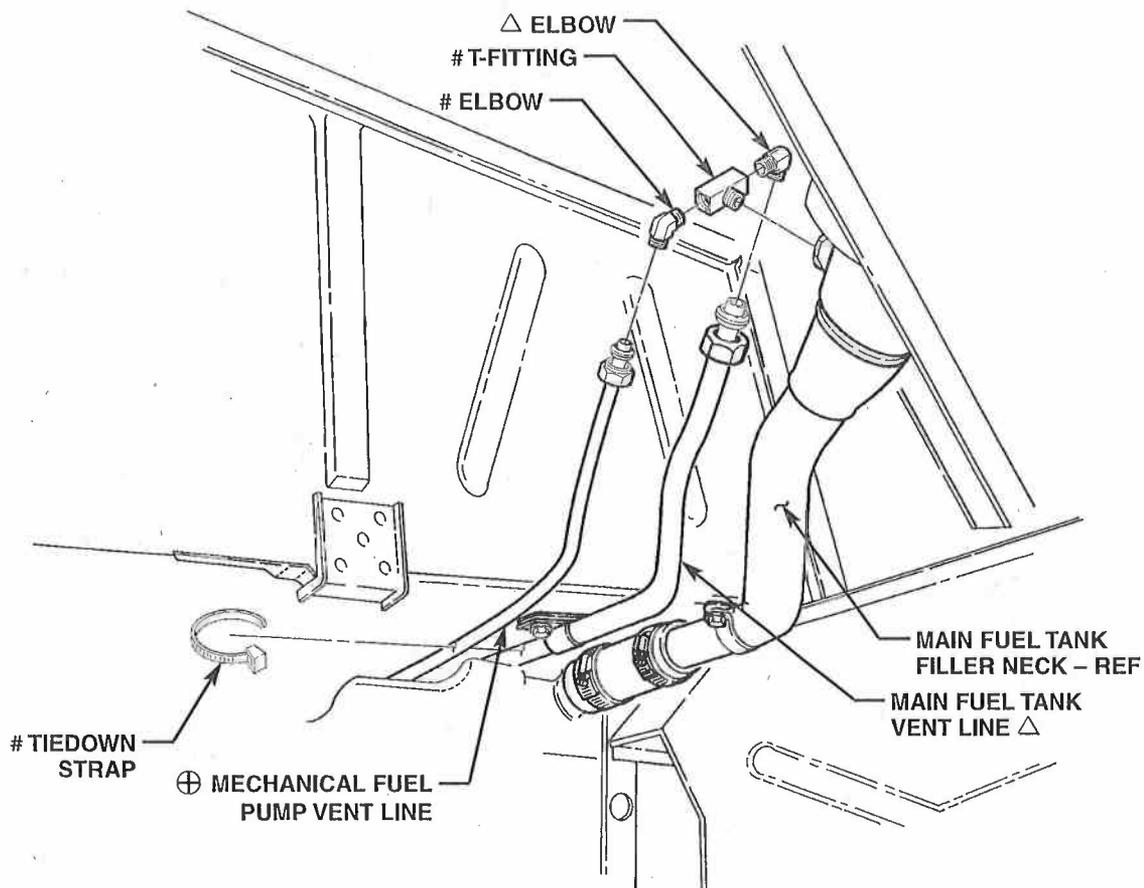
FIGURE 17

INSTALLATION INSTRUCTIONS, AUXILIARY FUEL TANK	SIZE	CAGE CODE	12506824		
	A	19207			
(AMG V7135)	10-08-19	REVISION LEVEL	B	SHEET 33	



**FIGURE 18**

<b>INSTALLATION INSTRUCTIONS, AUXILIARY FUEL TANK</b>	SIZE <b>A</b>	CAGE CODE <b>19207</b>	<b>12506824</b>		
	(AMG V7135)	10-08-19	REVISION LEVEL	<b>B</b>	SHEET 34



**FIGURE 19**

<b>INSTALLATION INSTRUCTIONS, AUXILIARY FUEL TANK</b>	SIZE <b>A</b>	CAGE CODE <b>19207</b>	<b>12506824</b>		
	(AMG V7135)	10-08-19	REVISION LEVEL	<b>B</b>	SHEET 35

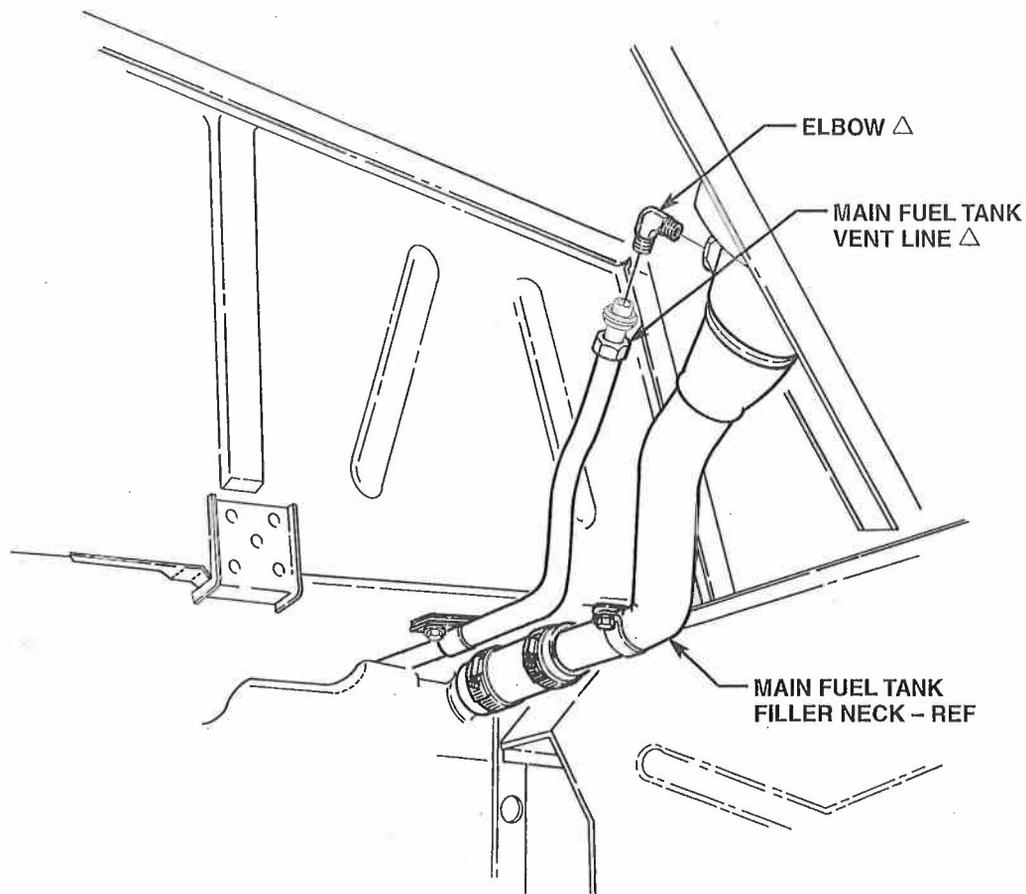
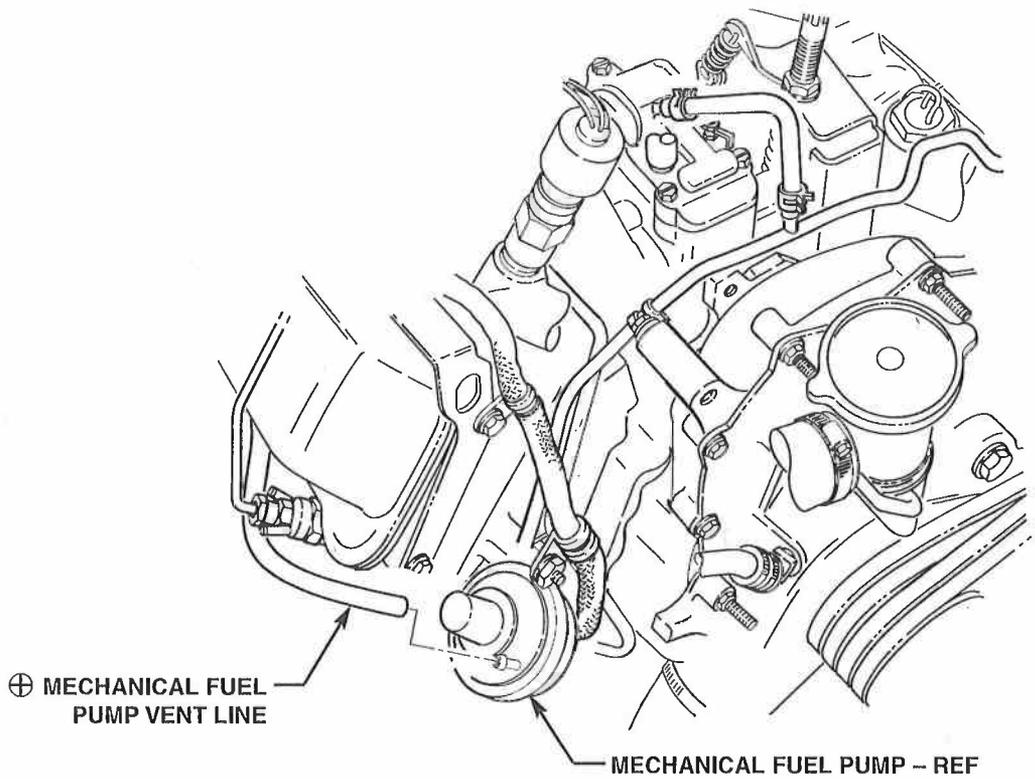


FIGURE 20

INSTALLATION INSTRUCTIONS, AUXILIARY FUEL TANK	SIZE	CAGE CODE	12506824		
	A	19207			
(AMG V7135)	10-08-19	REVISION LEVEL	B	SHEET 36	



**FIGURE 21**

INSTALLATION INSTRUCTIONS, AUXILIARY FUEL TANK	SIZE	CAGE CODE	<b>12506824</b>		
	<b>A</b>	<b>19207</b>			
(AMG V7135)		10-08-19	REVISION LEVEL	<b>B</b>	SHEET 37

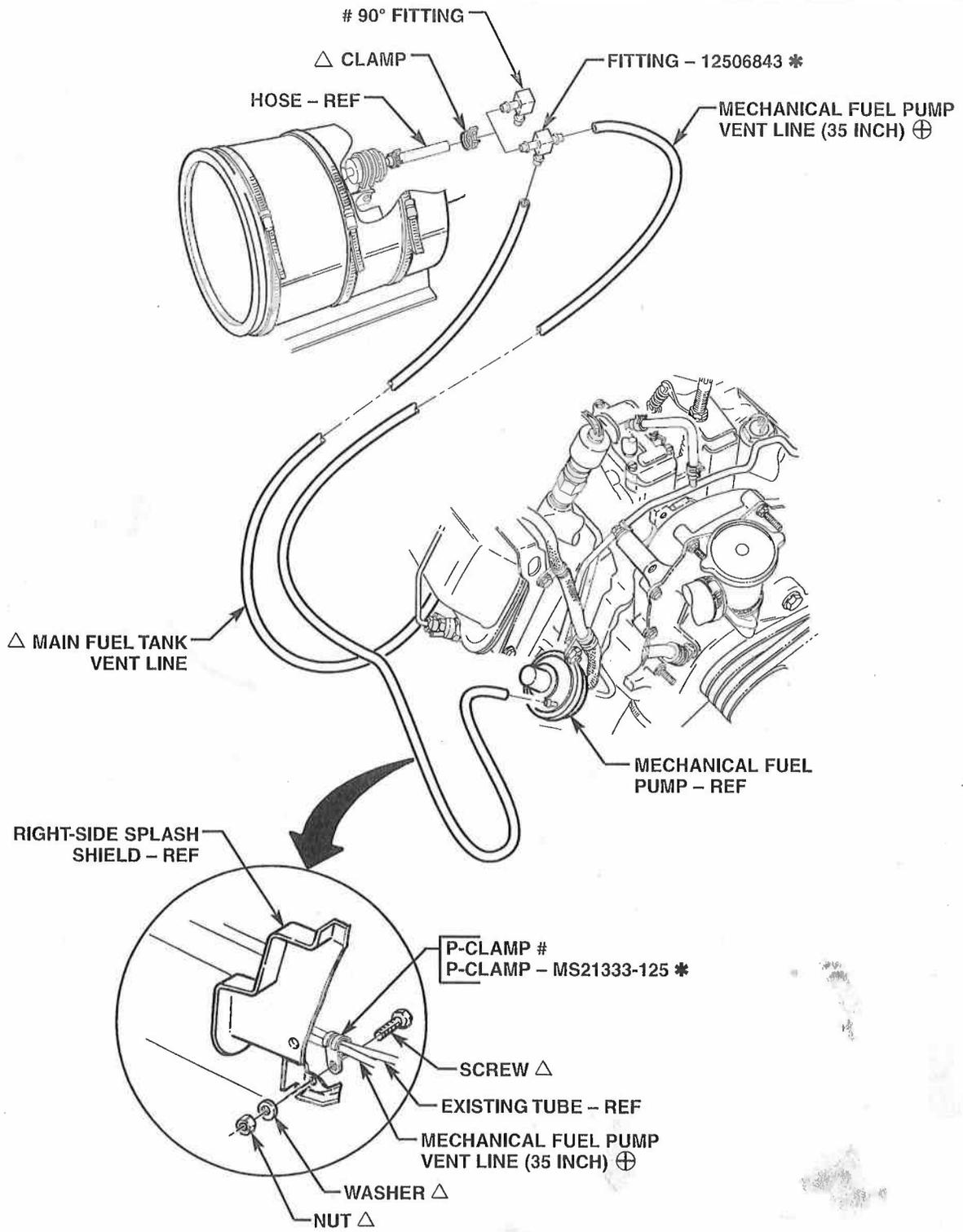


FIGURE 22

INSTALLATION INSTRUCTIONS,  
AUXILIARY FUEL TANK

SIZE	CAGE CODE
A	19207

12506824

(AMG V7135)

10-08-19

REVISION LEVEL B

SHEET 38

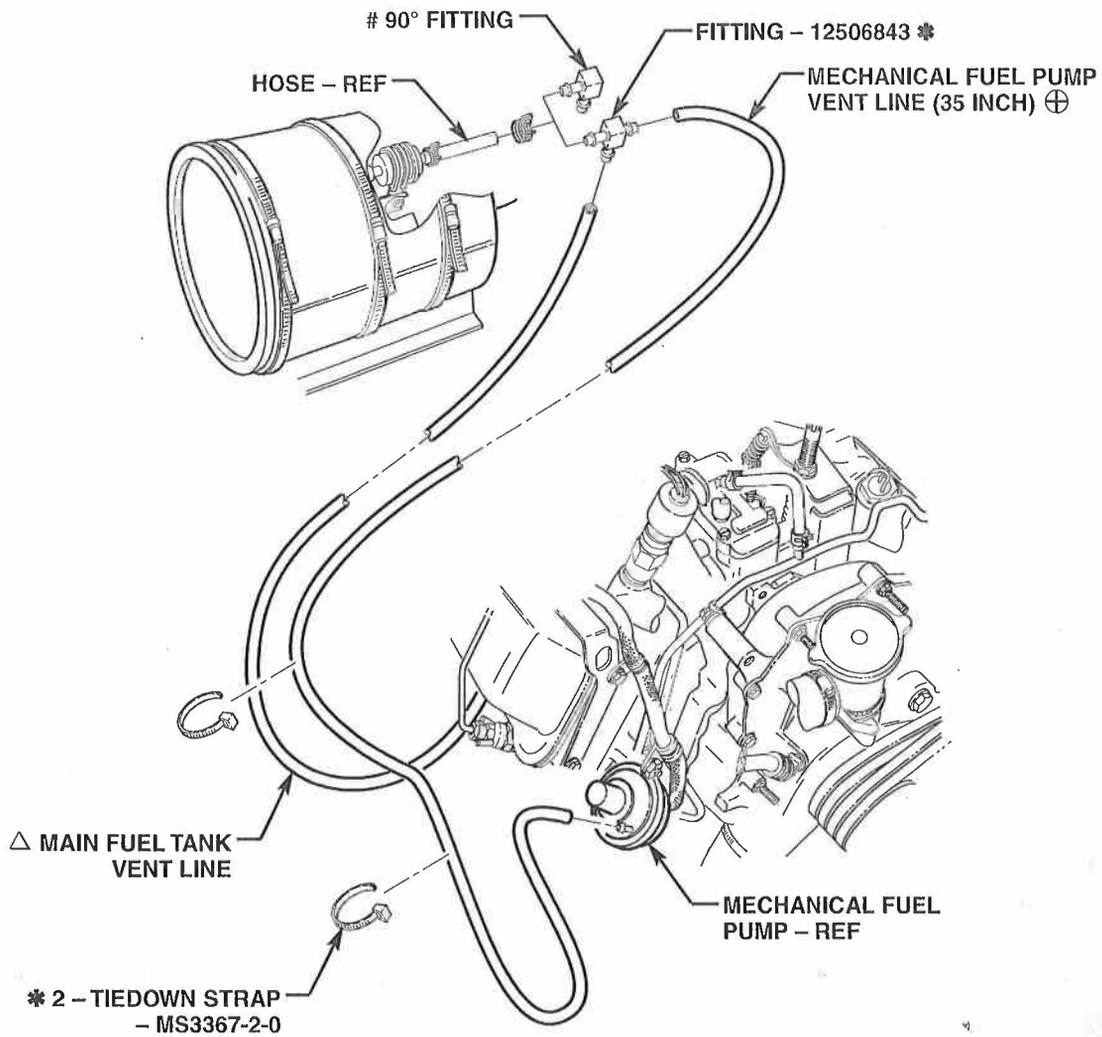
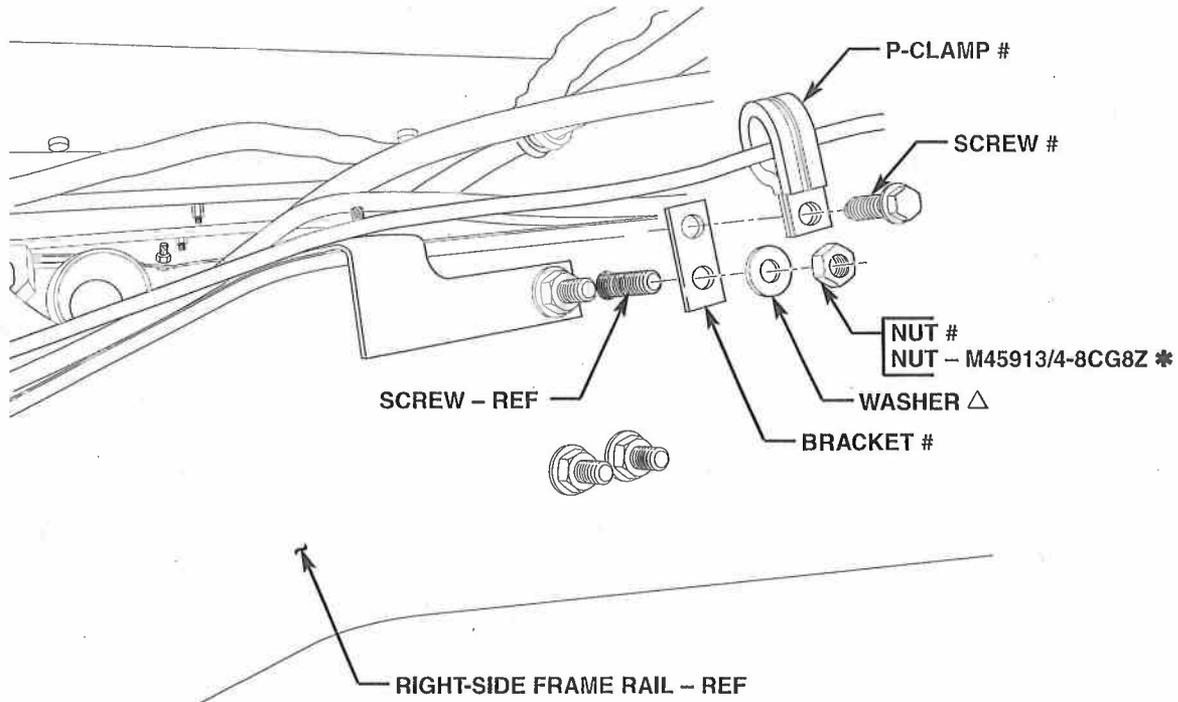


FIGURE 23

INSTALLATION INSTRUCTIONS, AUXILIARY FUEL TANK	SIZE	CAGE CODE	12506824		
	A	19207			
(AMG V7135)		10-08-19	REVISION LEVEL	B	SHEET 39



FOR A2 AND ECV VEHICLES ONLY

FIGURE 24

INSTALLATION INSTRUCTIONS, AUXILIARY FUEL TANK	SIZE	CAGE CODE	12506824		
	A	19207			
(AMG V7135)		10-08-19	REVISION LEVEL	B	SHEET 40

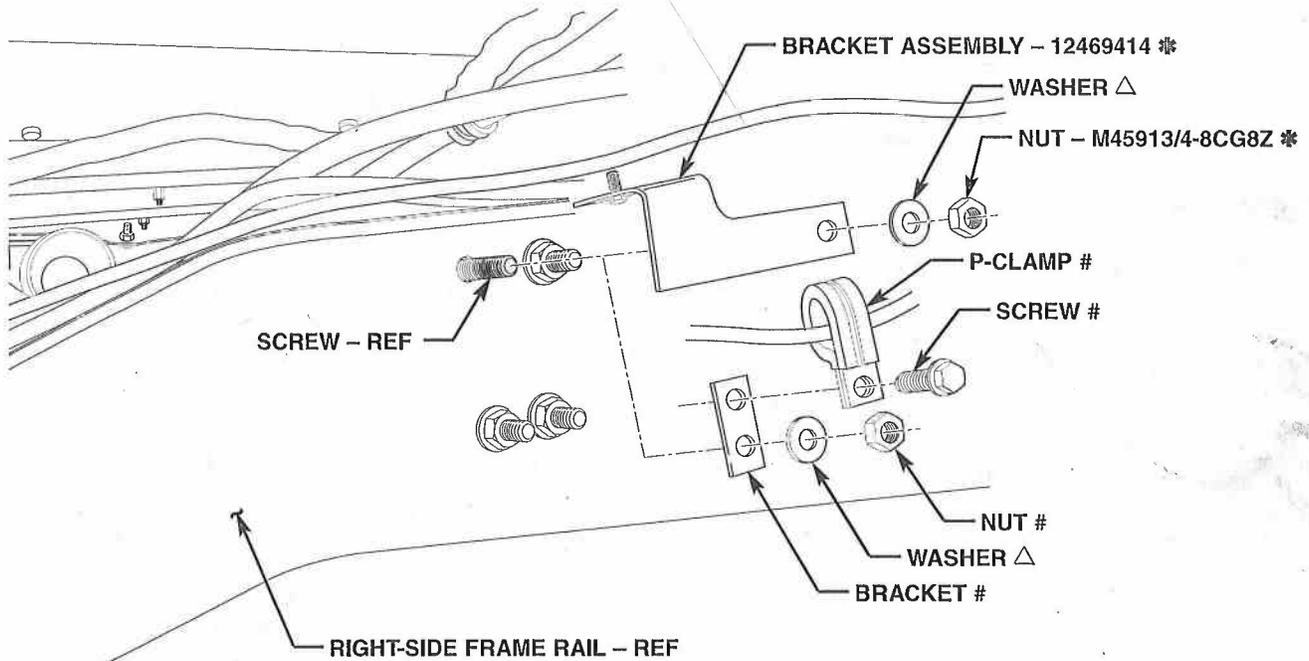


FIGURE 25

INSTALLATION INSTRUCTIONS, AUXILIARY FUEL TANK	SIZE	CAGE CODE	12506824		
	A	19207			
(AMG V7135)	10-08-19	REVISION LEVEL	B	SHEET 41	

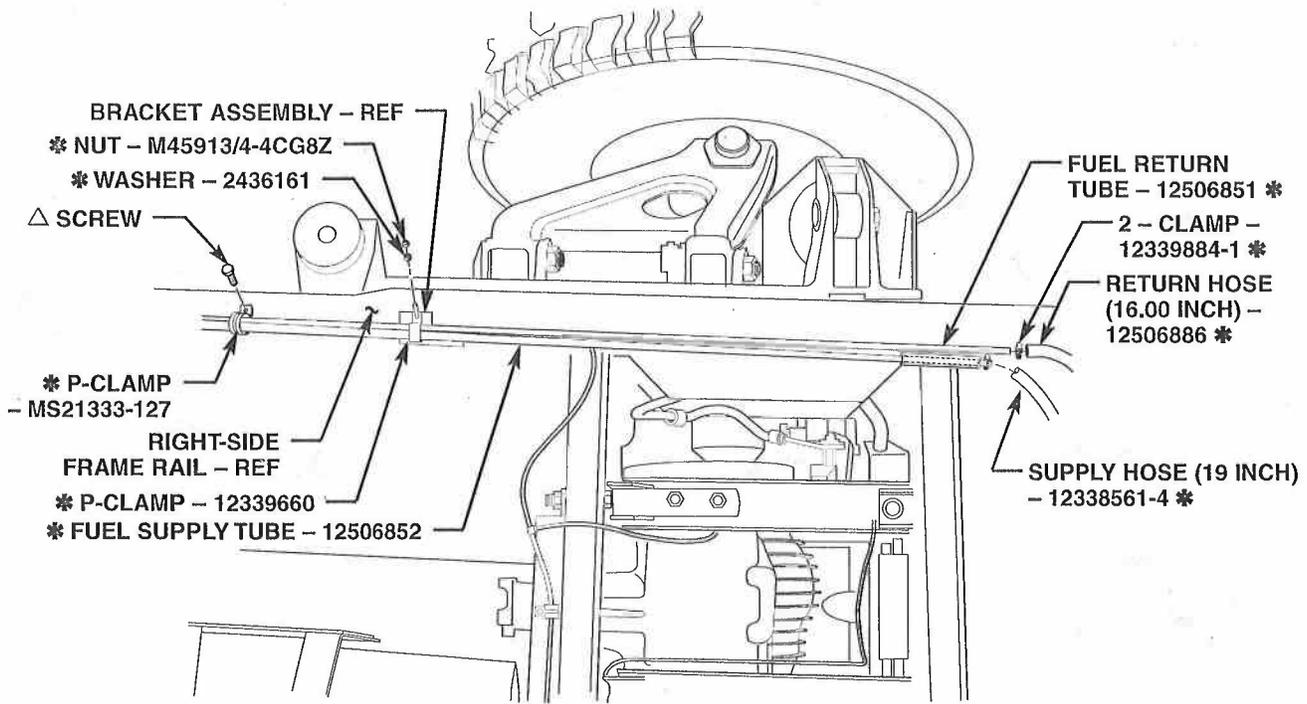


FIGURE 26

INSTALLATION INSTRUCTIONS, AUXILIARY FUEL TANK	SIZE	CAGE CODE	12506824		
	A	19207			
(AMG V7135)	10-08-19	REVISION LEVEL	B	SHEET 42	

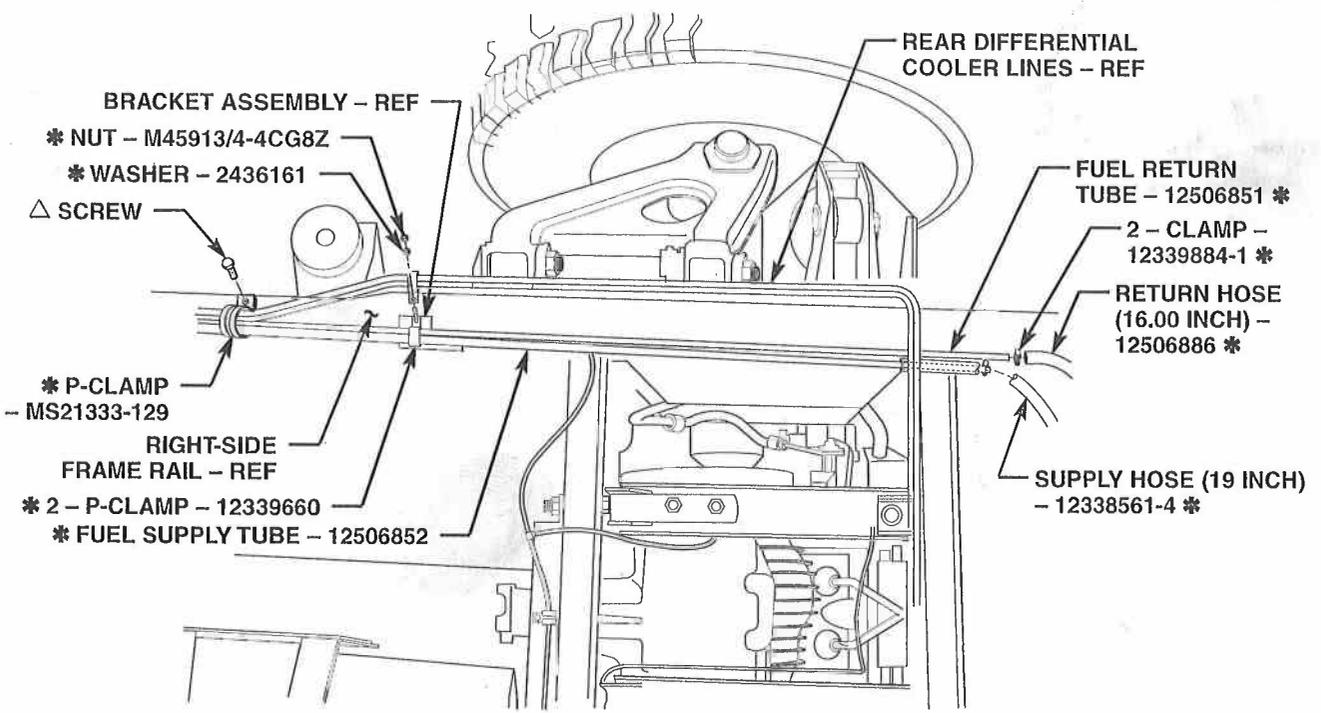
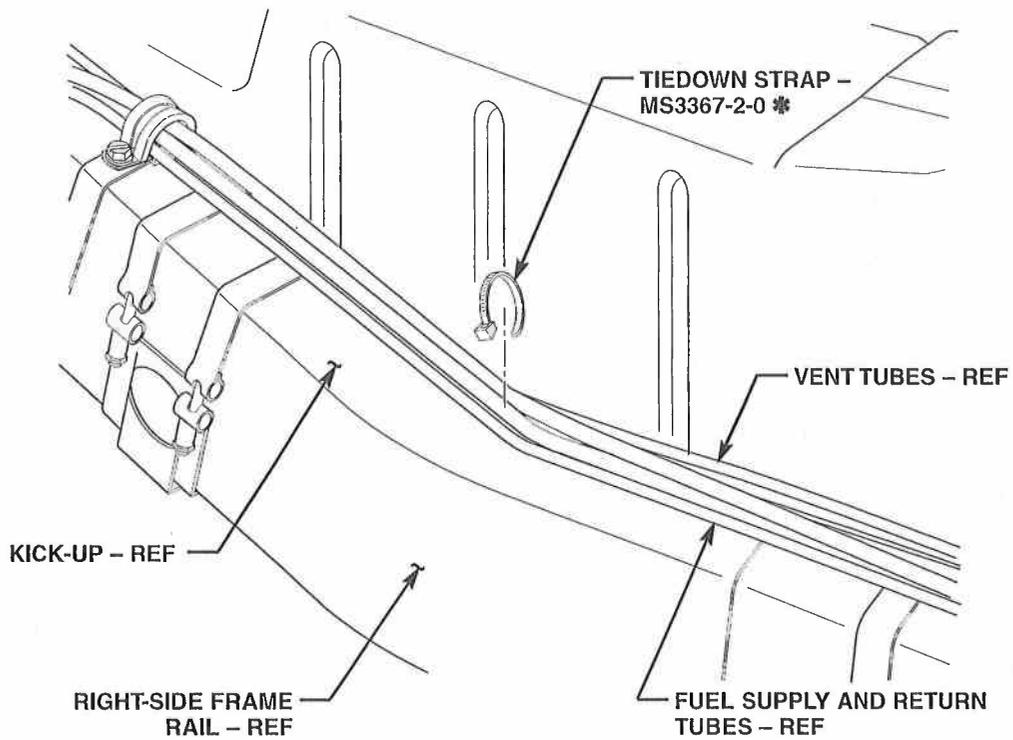


FIGURE 27

INSTALLATION INSTRUCTIONS, AUXILIARY FUEL TANK	SIZE	CAGE CODE	12506824		
	A	19207			
(AMG V7135)	10-08-19	REVISION LEVEL	B	SHEET 43	



**FIGURE 28**

<b>INSTALLATION INSTRUCTIONS, AUXILIARY FUEL TANK</b>	SIZE <b>A</b>	CAGE CODE <b>19207</b>	<b>12506824</b>		
	(AMG V7135)	10-08-19	REVISION LEVEL	<b>B</b>	SHEET 44

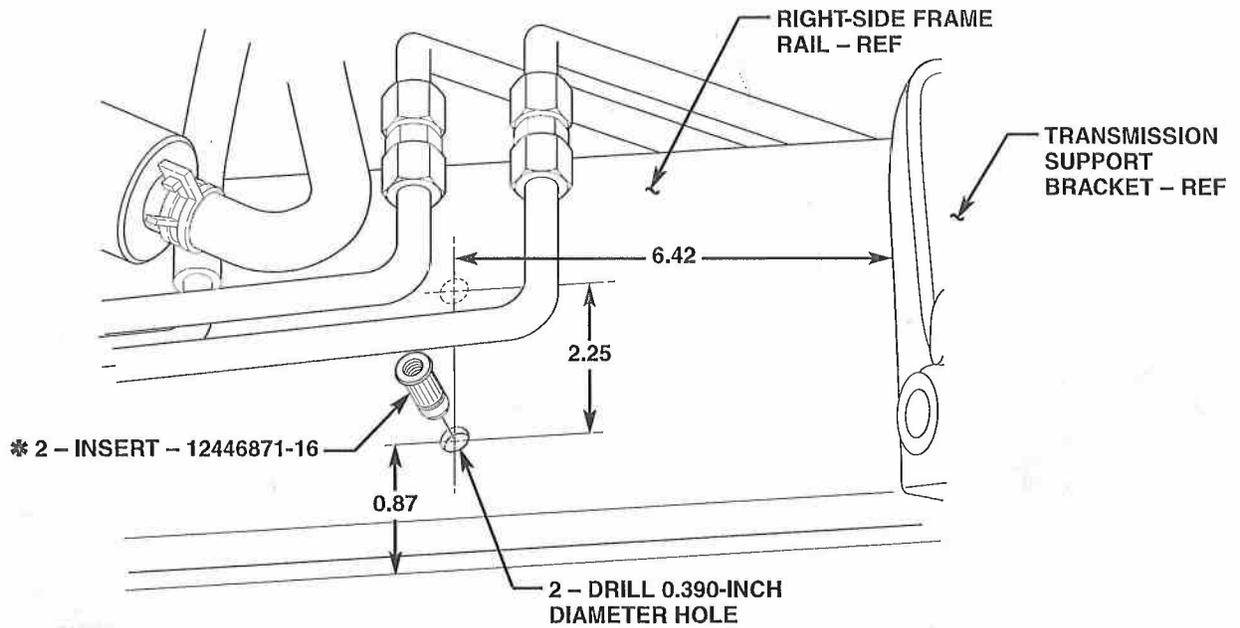


FIGURE 29

INSTALLATION INSTRUCTIONS, AUXILIARY FUEL TANK	SIZE	CAGE CODE	12506824		
	A	19207			
(AMG V7135)	10-08-19	REVISION LEVEL	B	SHEET 45	

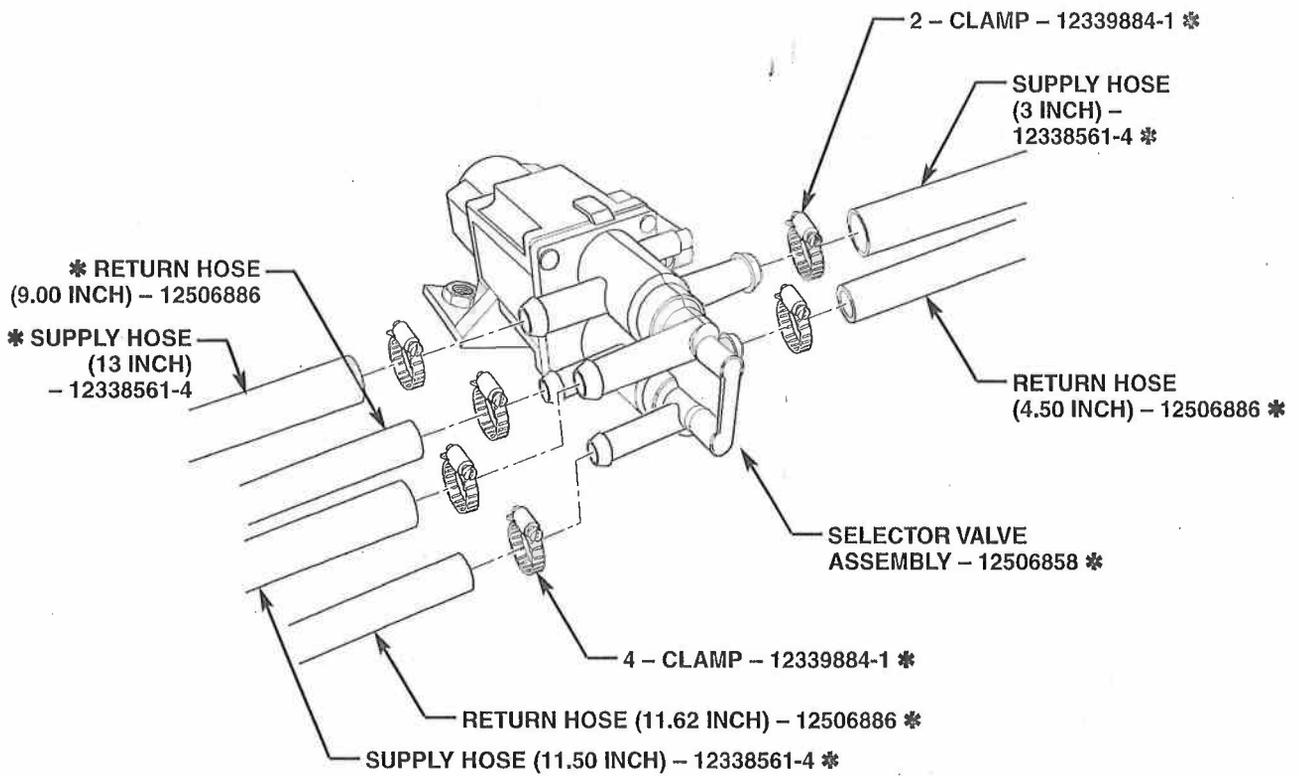


FIGURE 30

INSTALLATION INSTRUCTIONS, AUXILIARY FUEL TANK	SIZE	CAGE CODE	12506824		
	A	19207			
(AMG V7135)	10-08-19	REVISION LEVEL	B	SHEET 46	

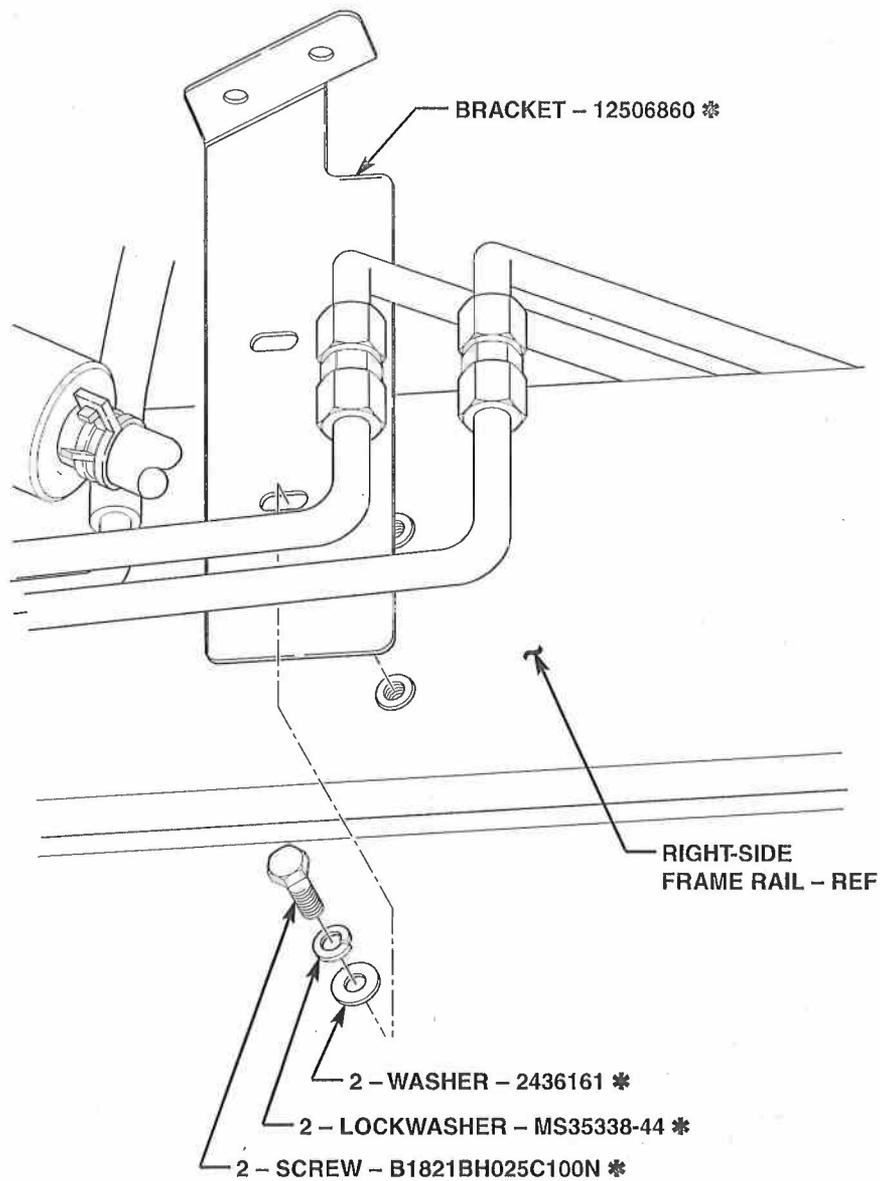


FIGURE 31

INSTALLATION INSTRUCTIONS, AUXILIARY FUEL TANK	SIZE	CAGE CODE	12506824		
	A	19207			
(AMG V7135)	10-08-19	REVISION LEVEL	B	SHEET 47	

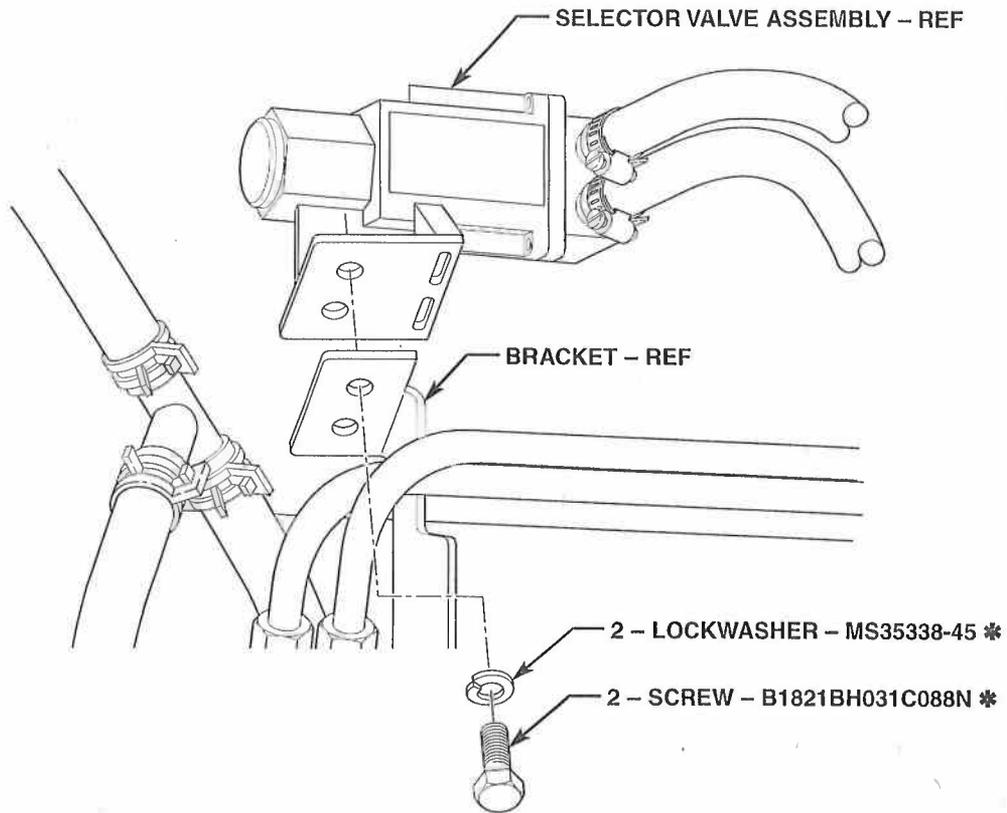


FIGURE 32

INSTALLATION INSTRUCTIONS,  
AUXILIARY FUEL TANK

SIZE

A

CAGE CODE

19207

12506824

(AMG V7135)

10-08-19

REVISION LEVEL

B

SHEET 48

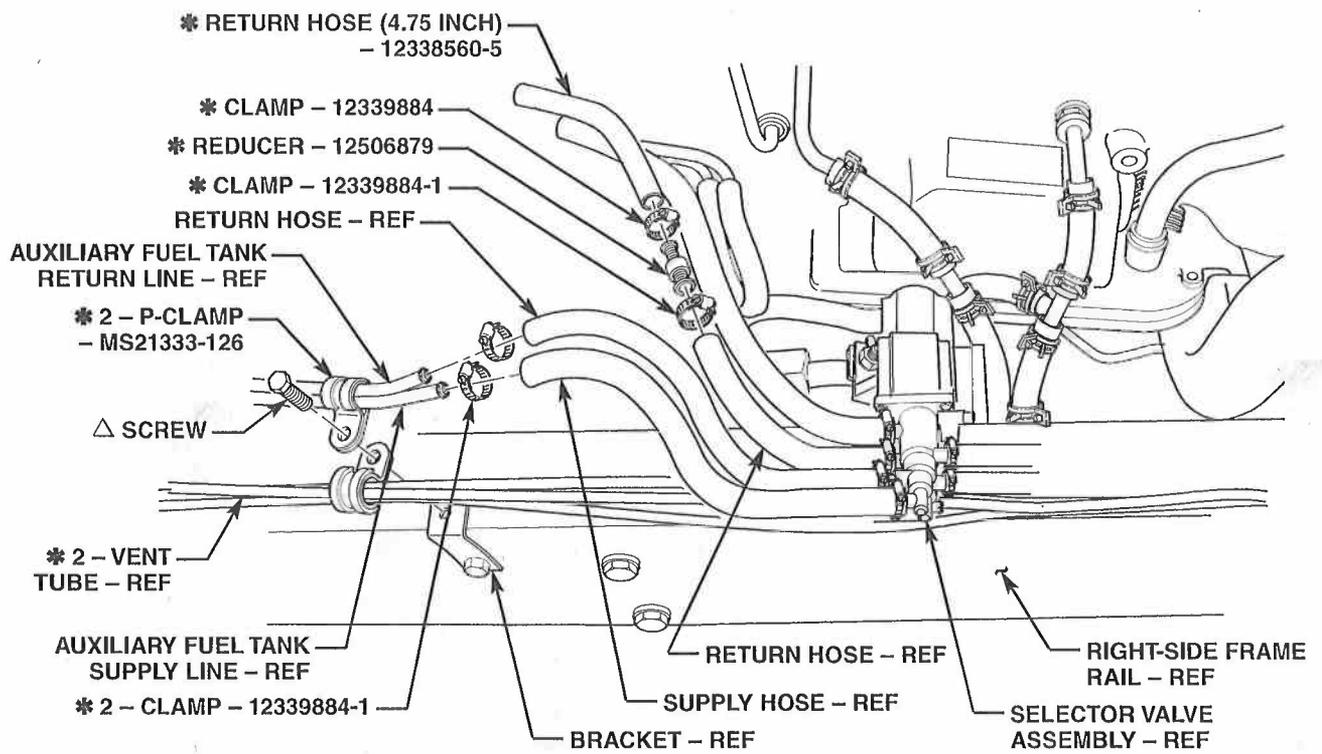
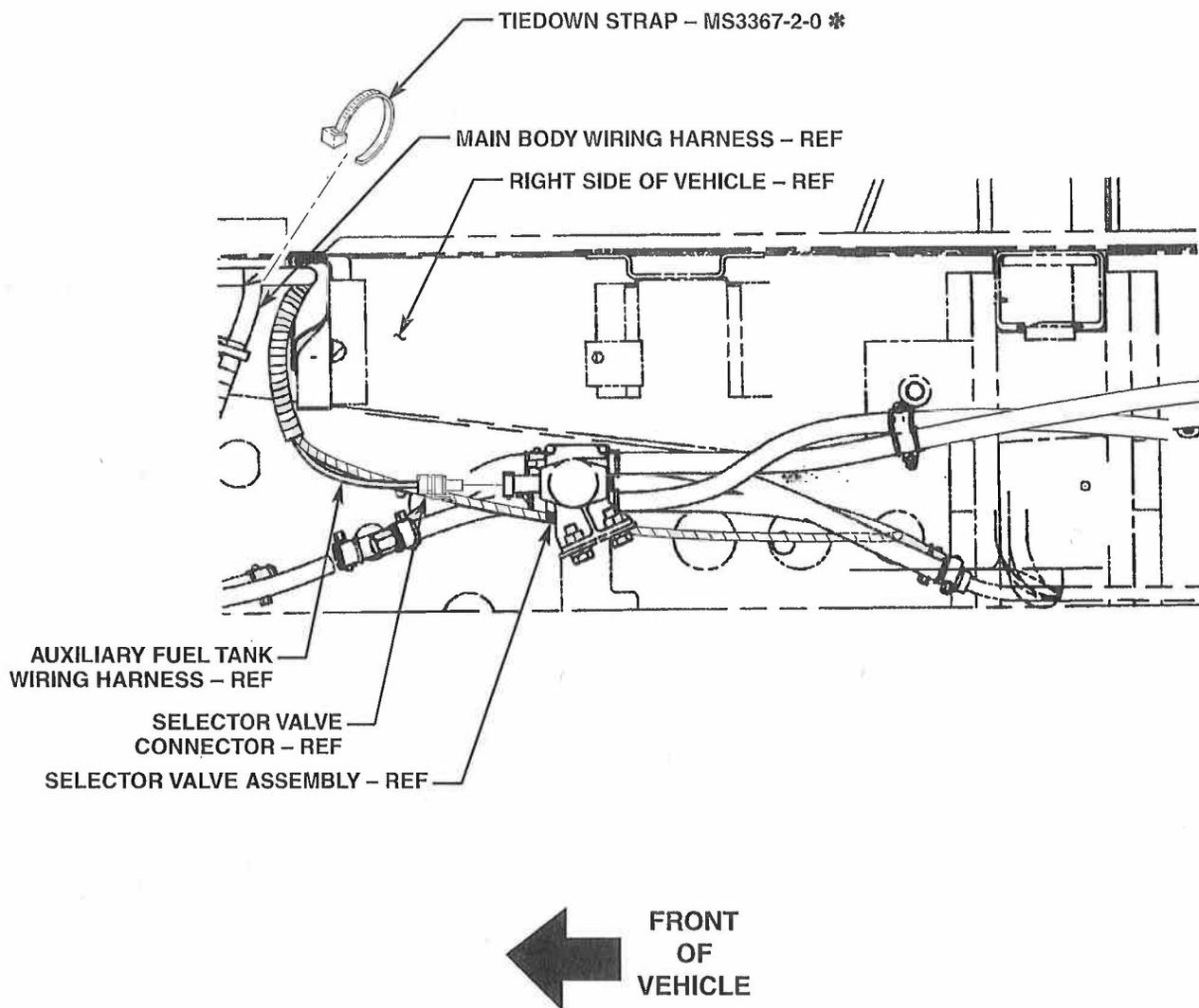


FIGURE 33

INSTALLATION INSTRUCTIONS, AUXILIARY FUEL TANK	SIZE	CAGE CODE	12506824		
	A	19207			
(AMG V7135)		10-08-19	REVISION LEVEL	B	SHEET 49

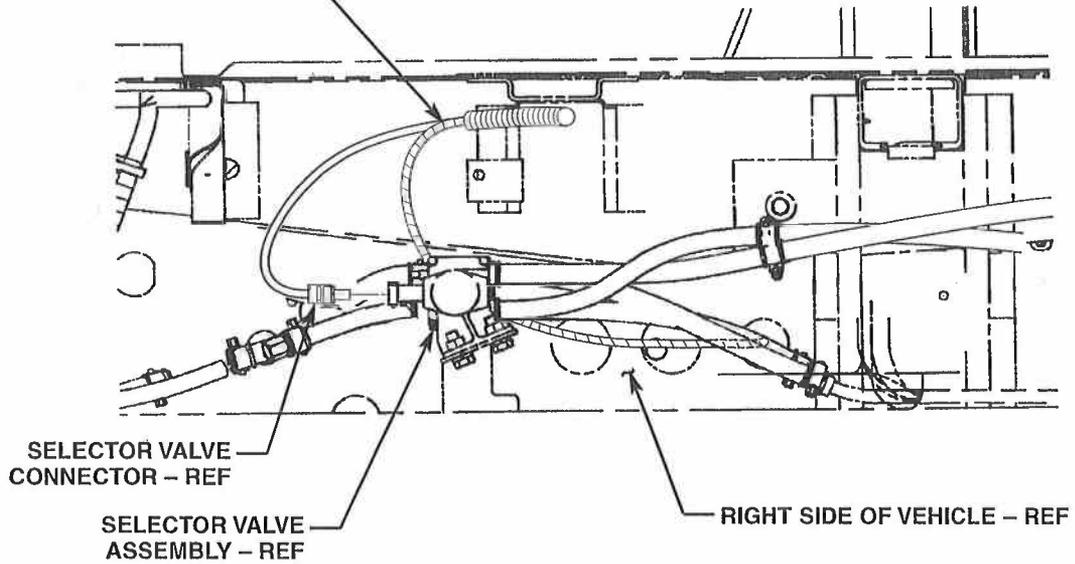


FOR BASIC AND A1 VEHICLES ONLY

FIGURE 34

INSTALLATION INSTRUCTIONS, AUXILIARY FUEL TANK	SIZE	CAGE CODE	12506824		
	A	19207			
(AMG V7135)		10-08-19	REVISION LEVEL	B	SHEET 50

AUXILIARY FUEL TANK  
WIRING HARNESS - REF



FRONT  
OF  
VEHICLE

FOR A2 AND ECV VEHICLES ONLY

**FIGURE 35**

INSTALLATION INSTRUCTIONS, AUXILIARY FUEL TANK	SIZE	CAGE CODE	<b>12506824</b>		
	<b>A</b>	<b>19207</b>			
(AMG V7135)		10-08-19	REVISION LEVEL	<b>B</b>	SHEET 51

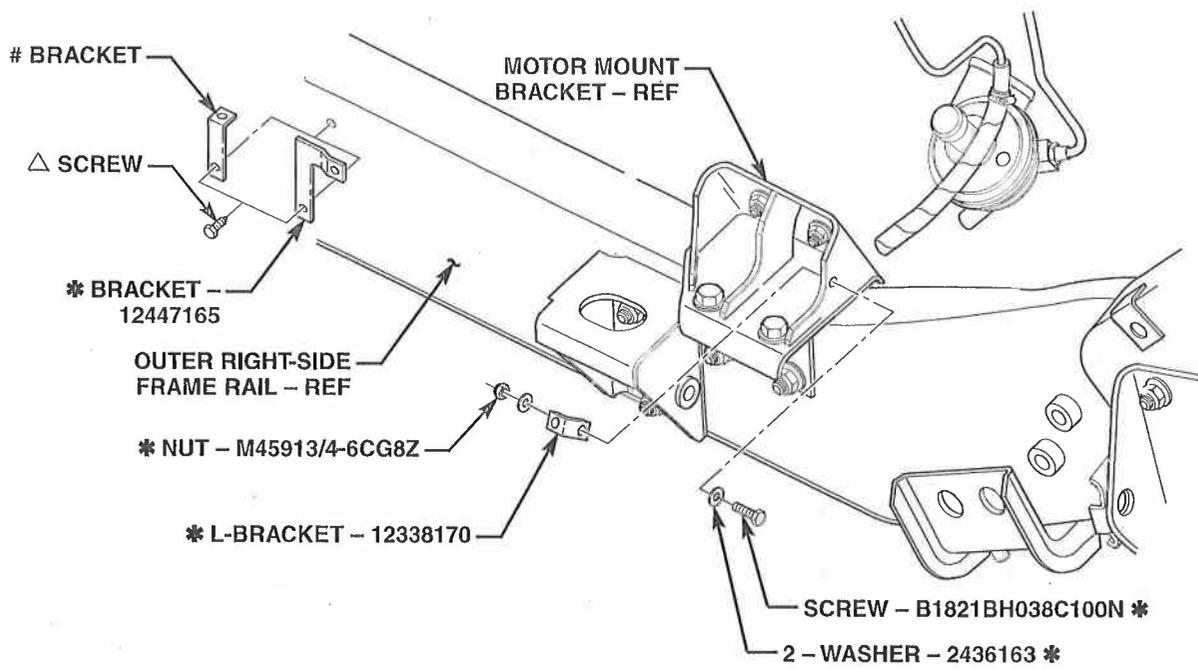


FIGURE 36

INSTALLATION INSTRUCTIONS, AUXILIARY FUEL TANK	SIZE	CAGE CODE	12506824		
	A	19207			
(AMG V7135)	10-08-19	REVISION LEVEL	B	SHEET 52	

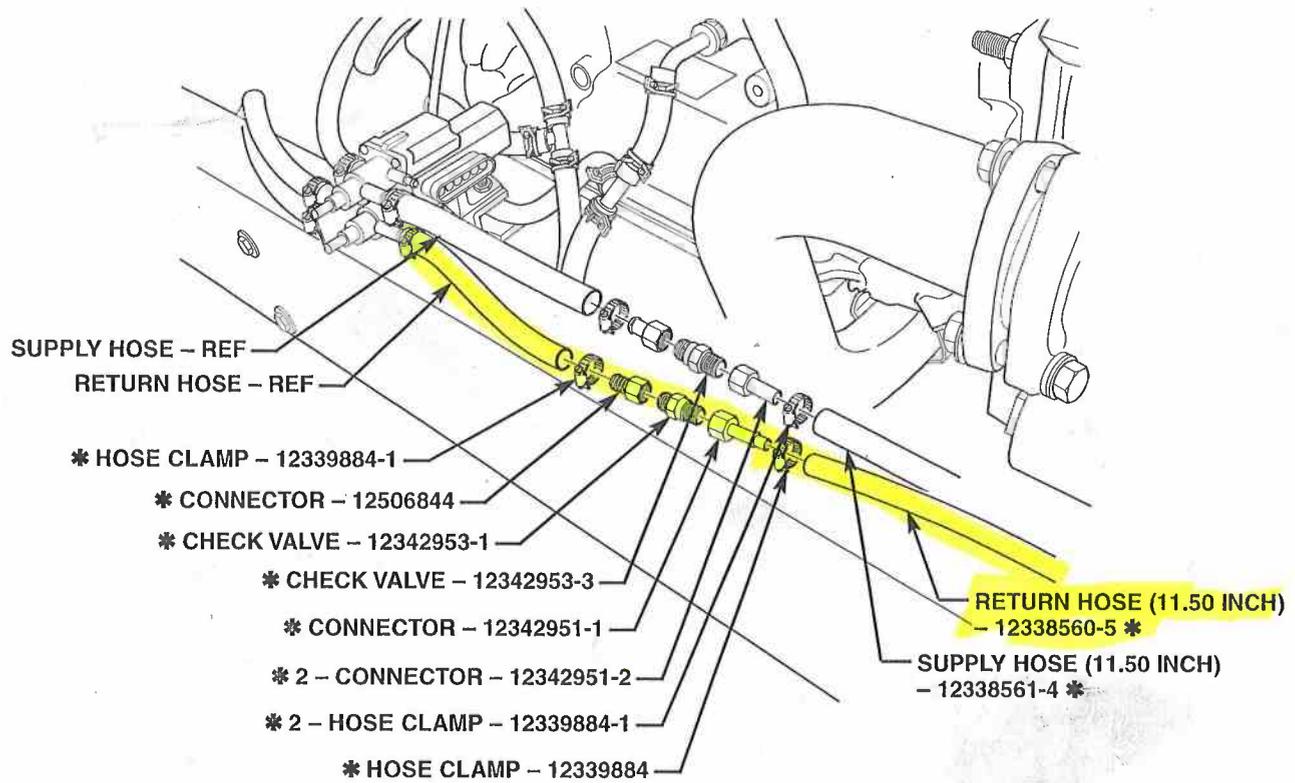


FIGURE 37

INSTALLATION INSTRUCTIONS, AUXILIARY FUEL TANK	SIZE	CAGE CODE	12506824		
	A	19207			
(AMG V7135)	10-08-19	REVISION LEVEL	B	SHEET 53	

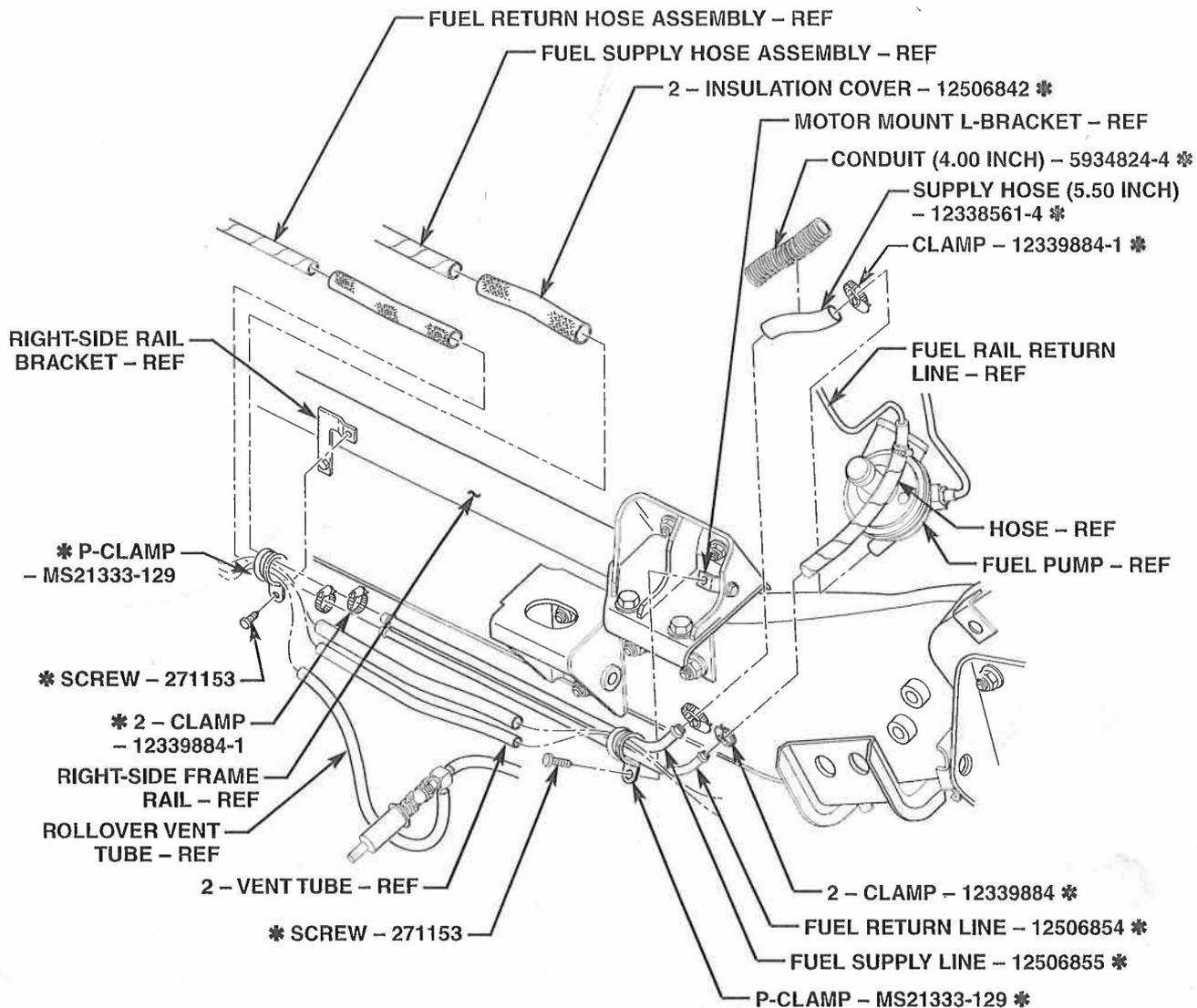
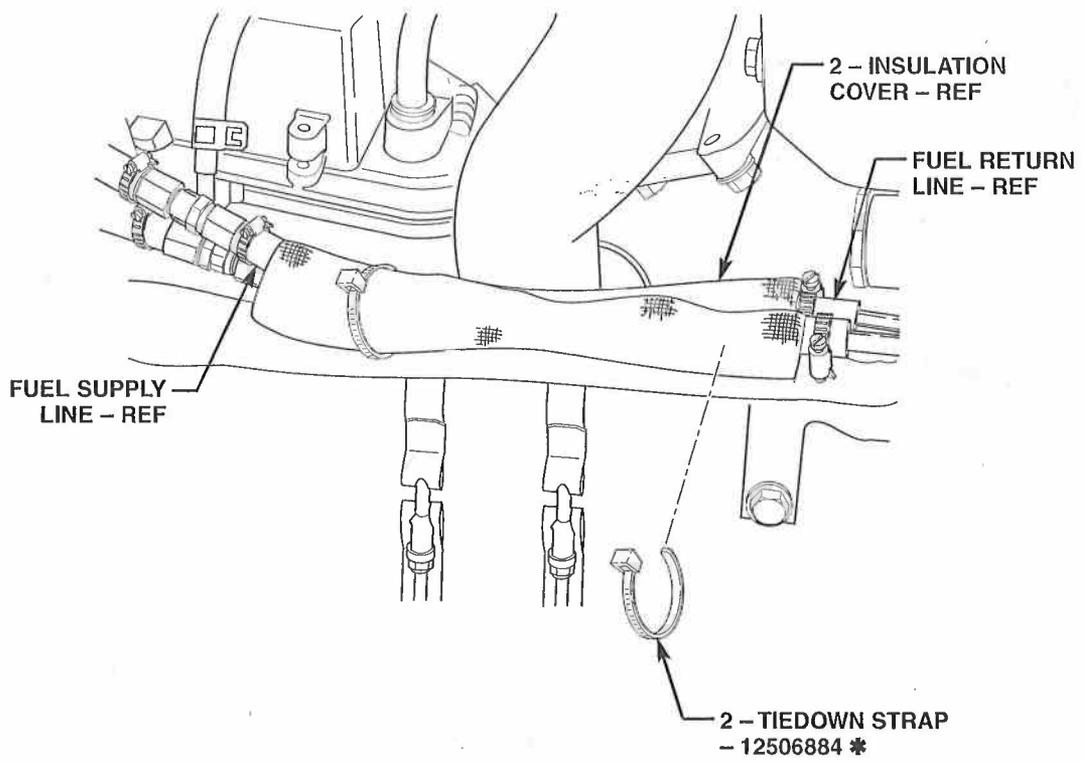


FIGURE 38

INSTALLATION INSTRUCTIONS, AUXILIARY FUEL TANK	SIZE	CAGE CODE	12506824		
	A	19207			
(AMG V7135)	10-08-19	REVISION LEVEL	B	SHEET 54	

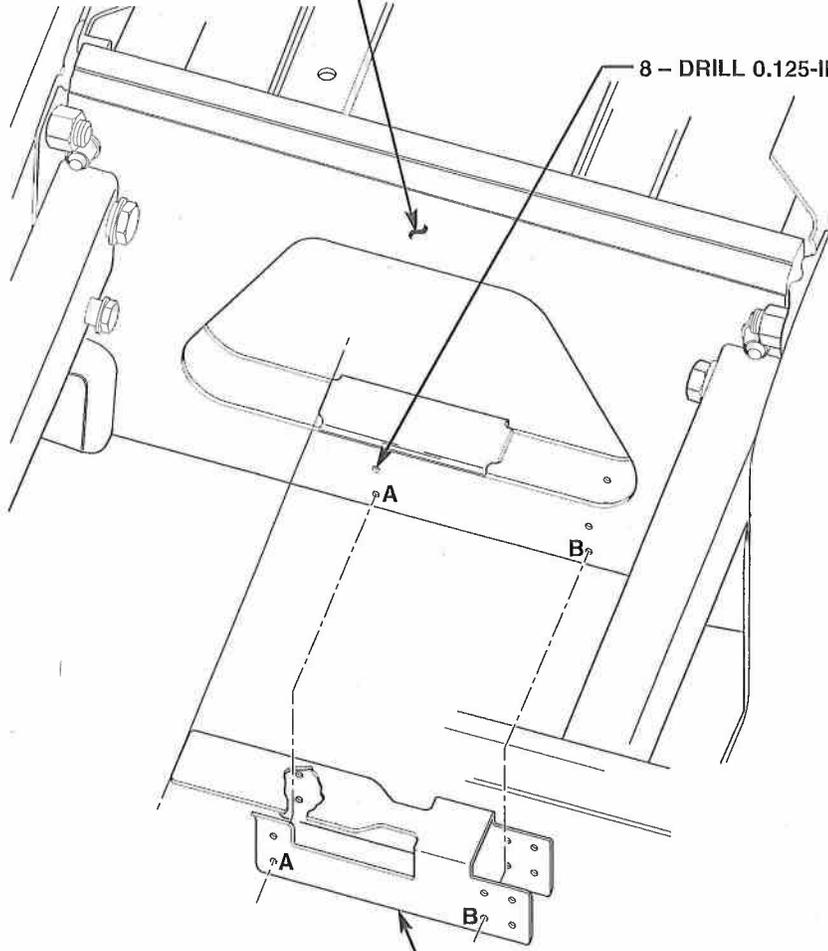


**FIGURE 39**

INSTALLATION INSTRUCTIONS, AUXILIARY FUEL TANK	SIZE	CAGE CODE	<b>12506824</b>		
	A	19207			
(AMG V7135)	10-08-19	REVISION LEVEL	B	SHEET 55	

REAR-REAR CROSSMEMBER - REF

8 - DRILL 0.125-INCH DIAMETER PILOT HOLE



REAR-REAR CROSSMEMBER  
TEMPLATE - 12506839 \*

FIGURE 40

INSTALLATION INSTRUCTIONS, AUXILIARY FUEL TANK	SIZE	CAGE CODE	12506824		
	A	19207			
(AMG V7135)	10-08-19	REVISION LEVEL	B	SHEET 56	

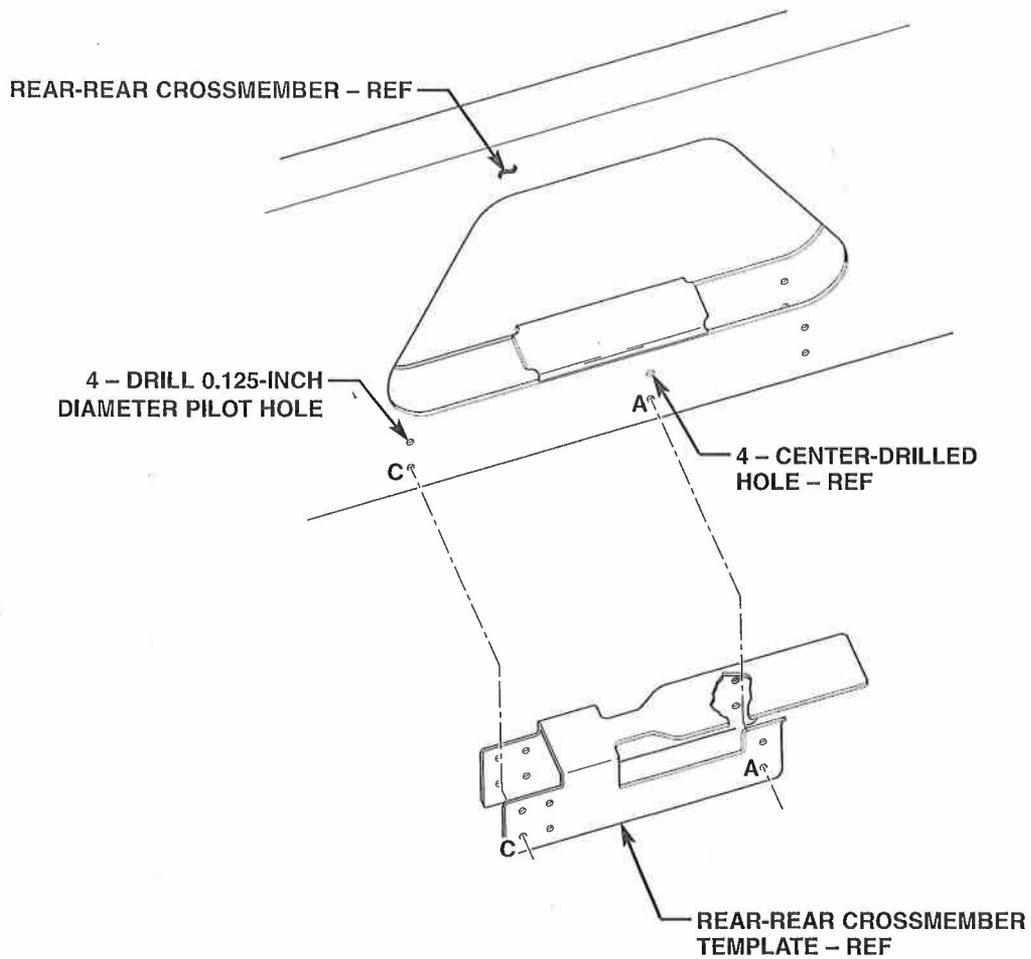
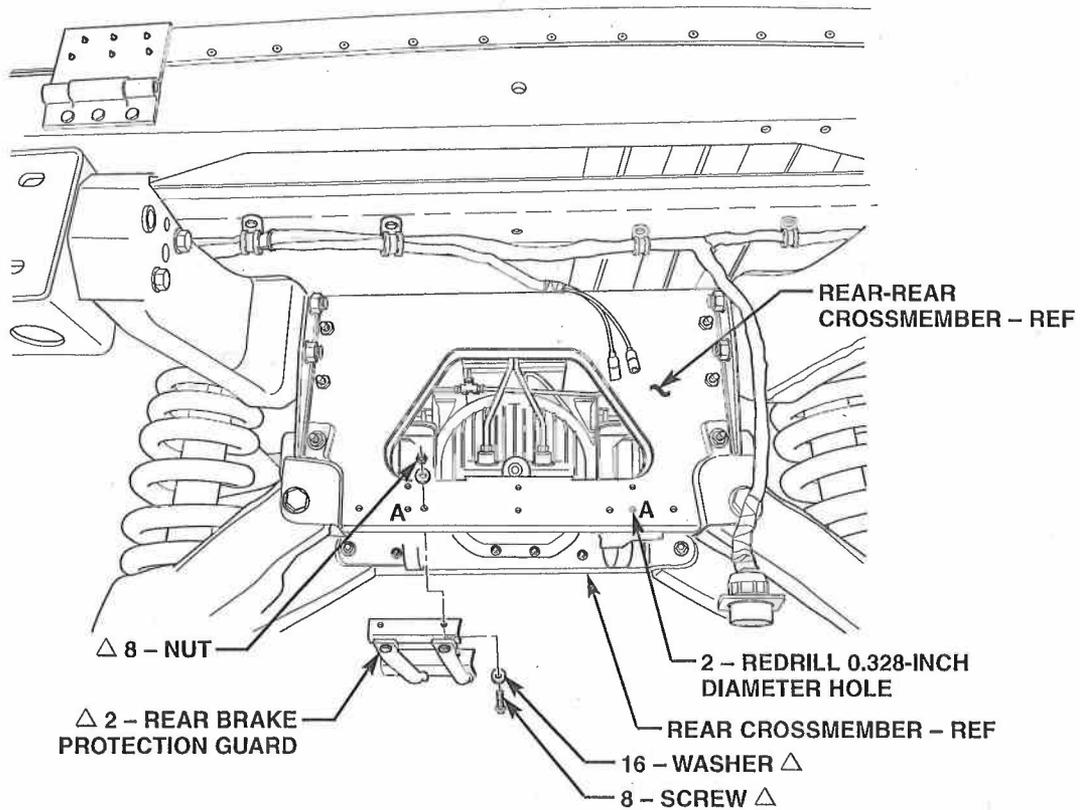


FIGURE 41

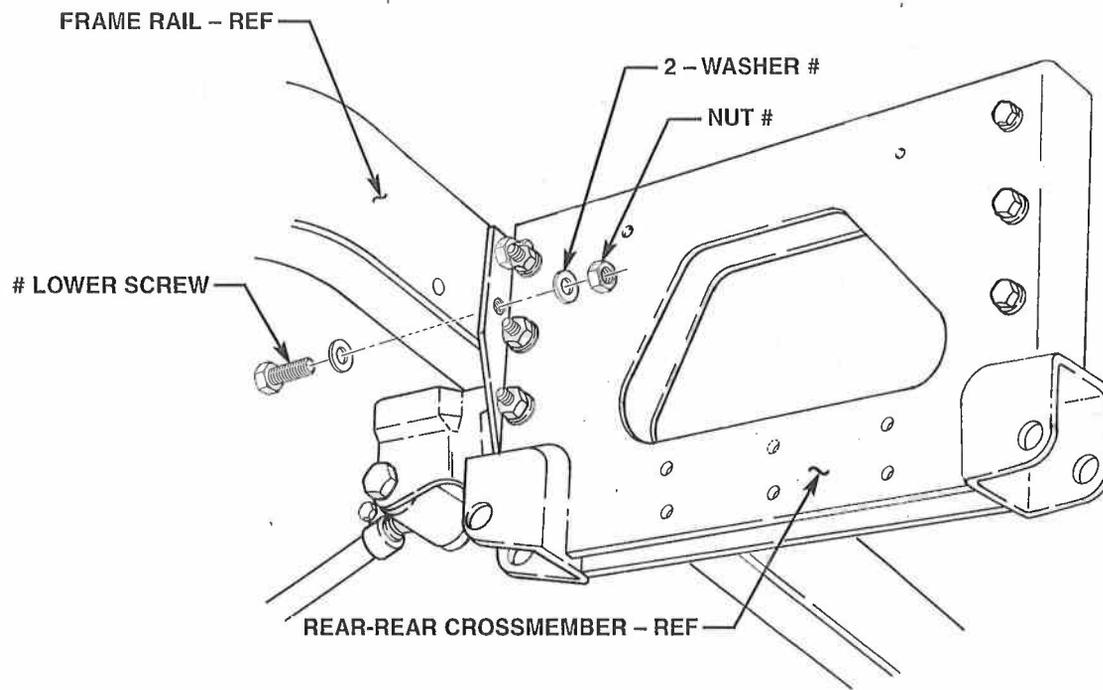
INSTALLATION INSTRUCTIONS, AUXILIARY FUEL TANK	SIZE	CAGE CODE	12506824		
	A	19207			
(AMG V7135)	10-08-19	REVISION LEVEL	B	SHEET 57	



LEFT SIDE SHOWN, RIGHT SIDE OPPOSITE

FIGURE 42

INSTALLATION INSTRUCTIONS, AUXILIARY FUEL TANK	SIZE	CAGE CODE	12506824		
	A	19207			
(AMG V7135)		10-08-19	REVISION LEVEL	B	SHEET 58



LEFT SIDE SHOWN, RIGHT SIDE OPPOSITE

**FIGURE 43**

INSTALLATION INSTRUCTIONS, AUXILIARY FUEL TANK	SIZE	CAGE CODE	<b>12506824</b>		
	A	19207			
(AMG V7135)	10-08-19	REVISION LEVEL	B	SHEET 59	

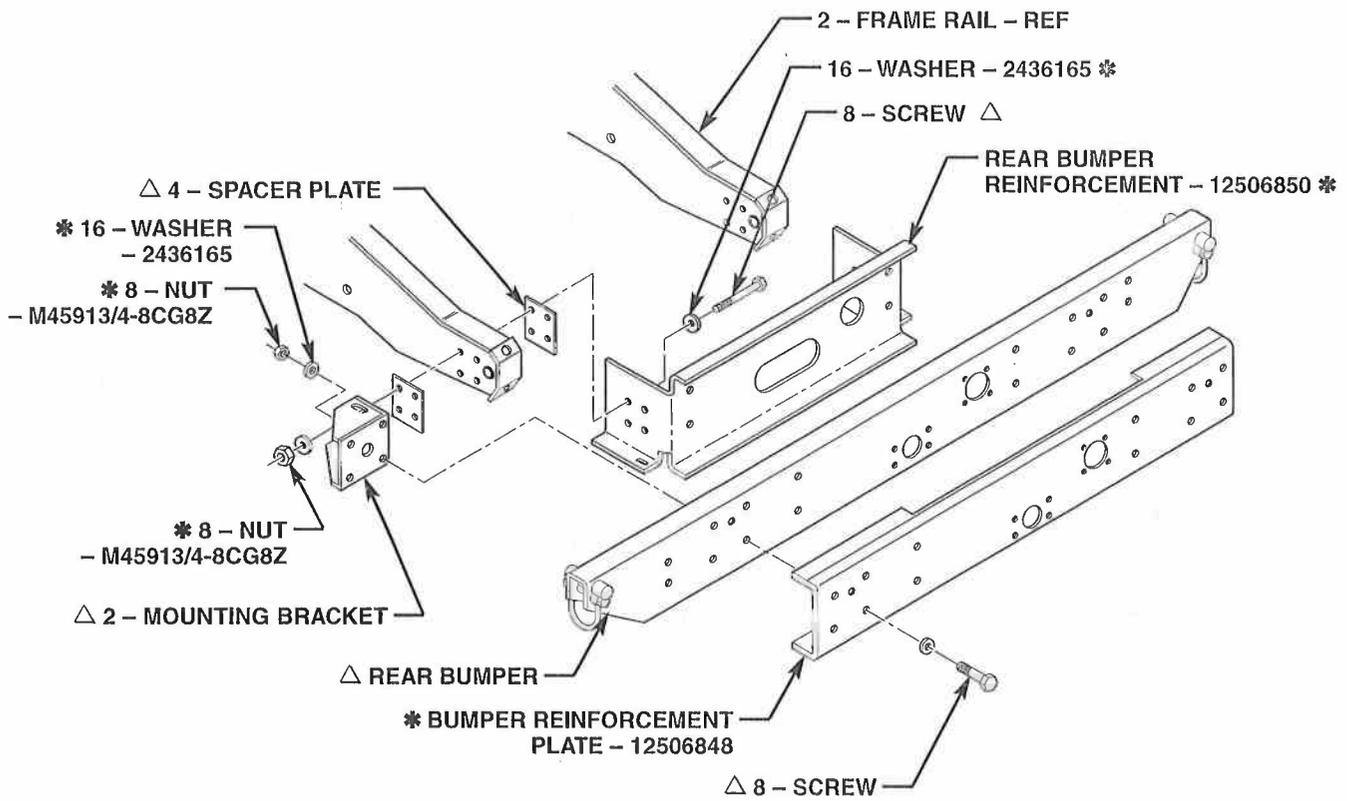
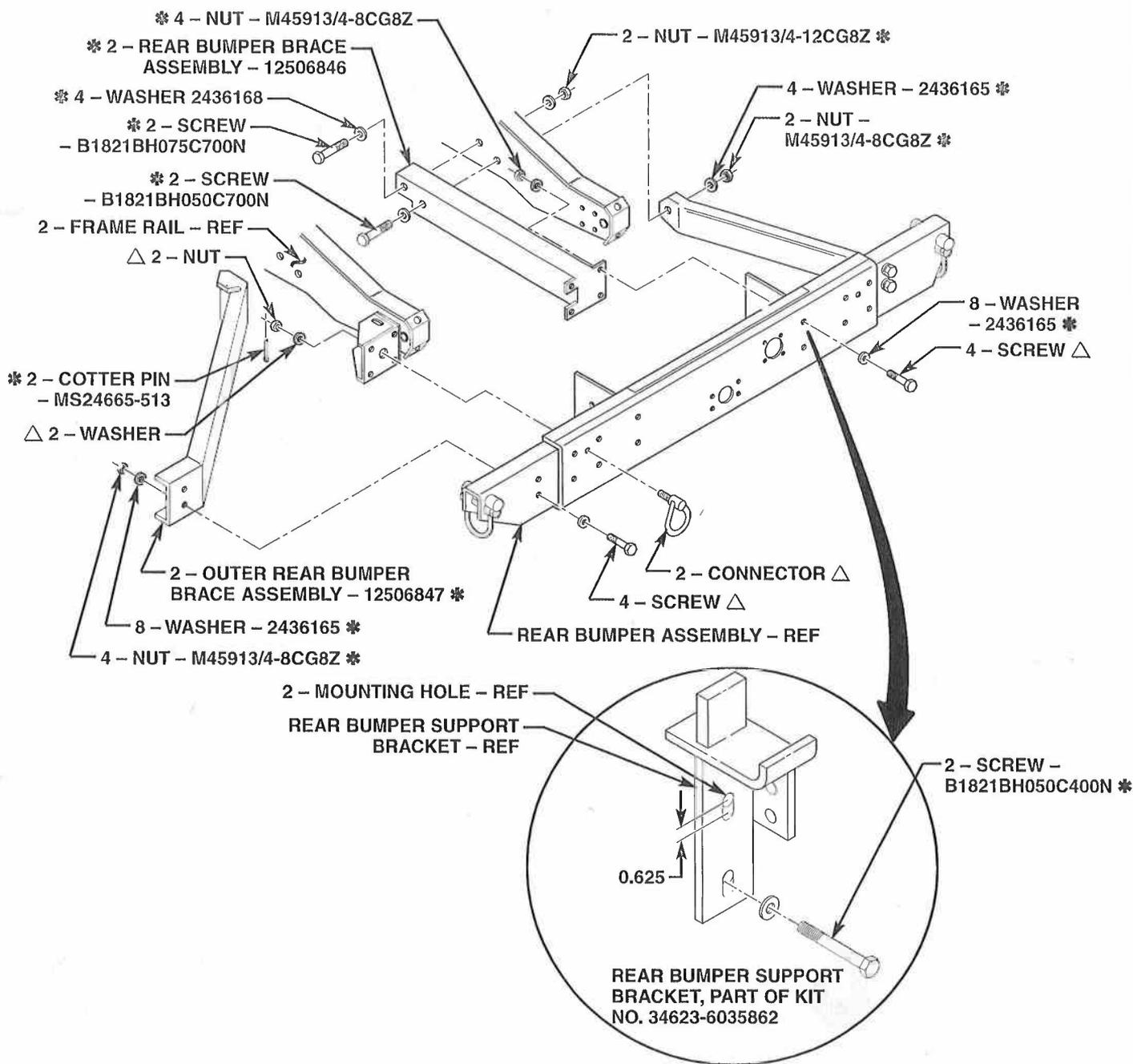


FIGURE 44

INSTALLATION INSTRUCTIONS, AUXILIARY FUEL TANK	SIZE	CAGE CODE	12506824		
	A	19207			
(AMG V7135)	10-08-19	REVISION LEVEL	B	SHEET 60	



RIGHT SIDE SHOWN, LEFT SIDE OPPOSITE

FIGURE 45

INSTALLATION INSTRUCTIONS, AUXILIARY FUEL TANK	SIZE	CAGE CODE	12506824		
	A	19207			
(AMG V7135)	10-08-19	REVISION LEVEL	B	SHEET 61	

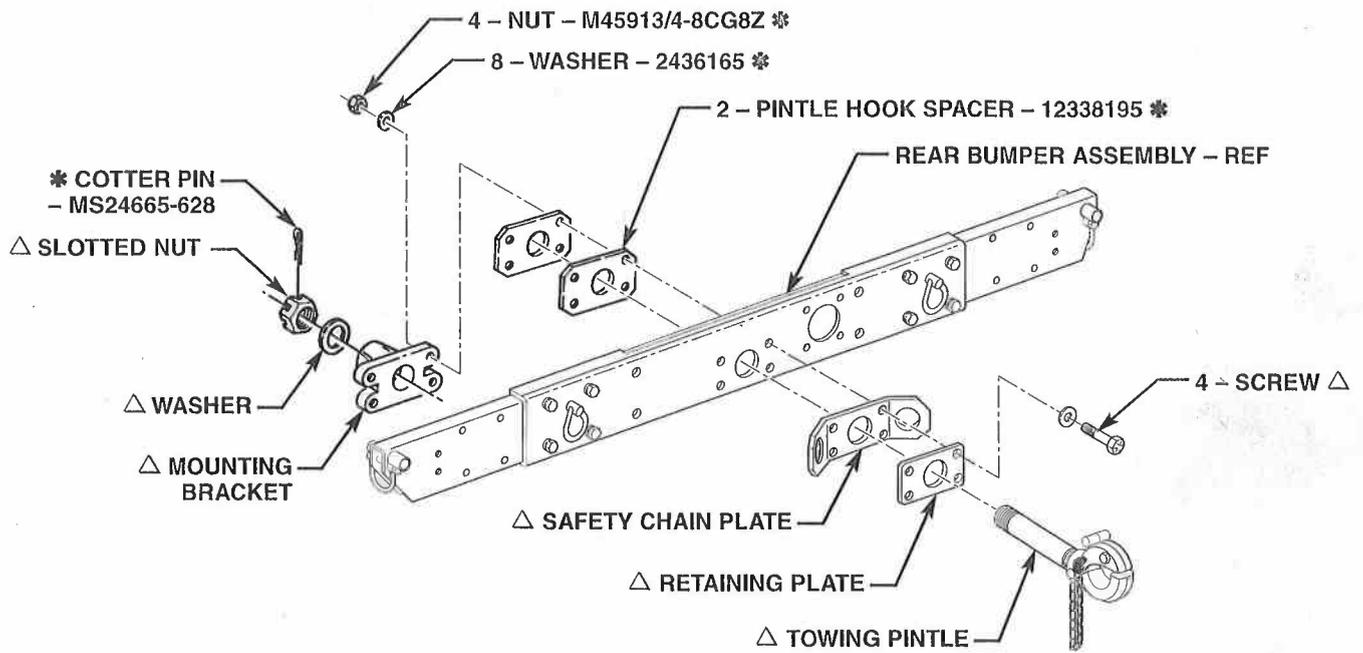


FIGURE 46

INSTALLATION INSTRUCTIONS, AUXILIARY FUEL TANK	SIZE <b>A</b>	CAGE CODE <b>19207</b>	<b>12506824</b>		
	(AMG V7135)	10-08-19	REVISION LEVEL	<b>B</b>	SHEET 62

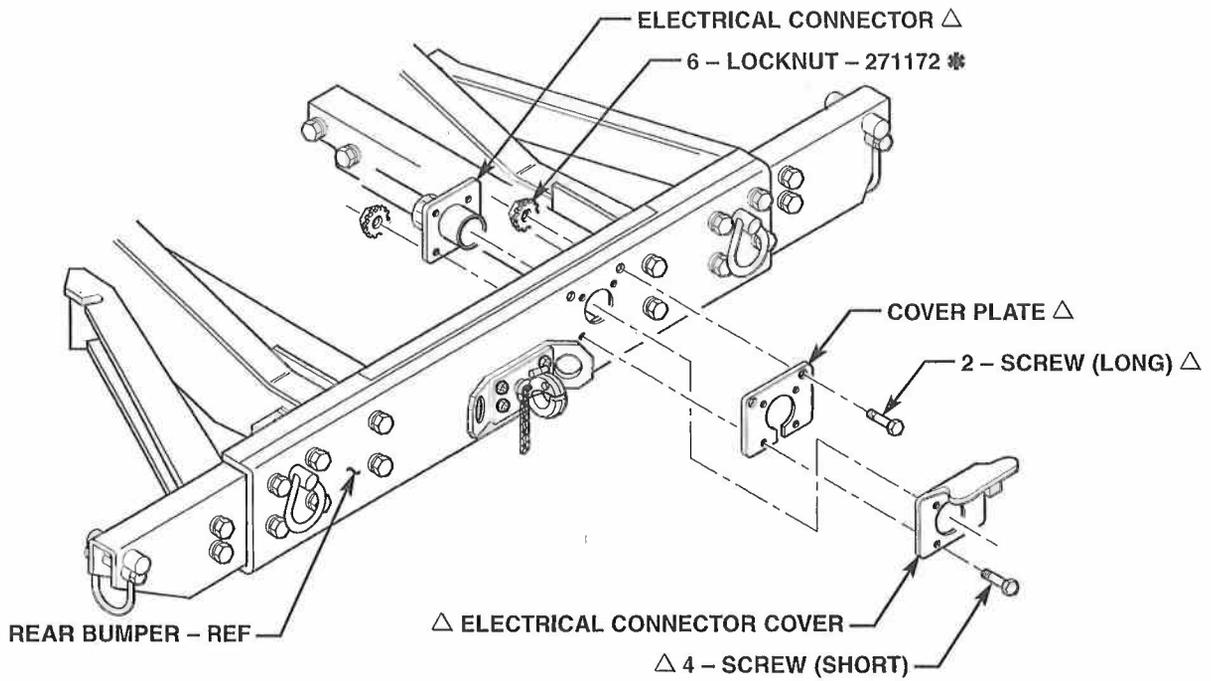
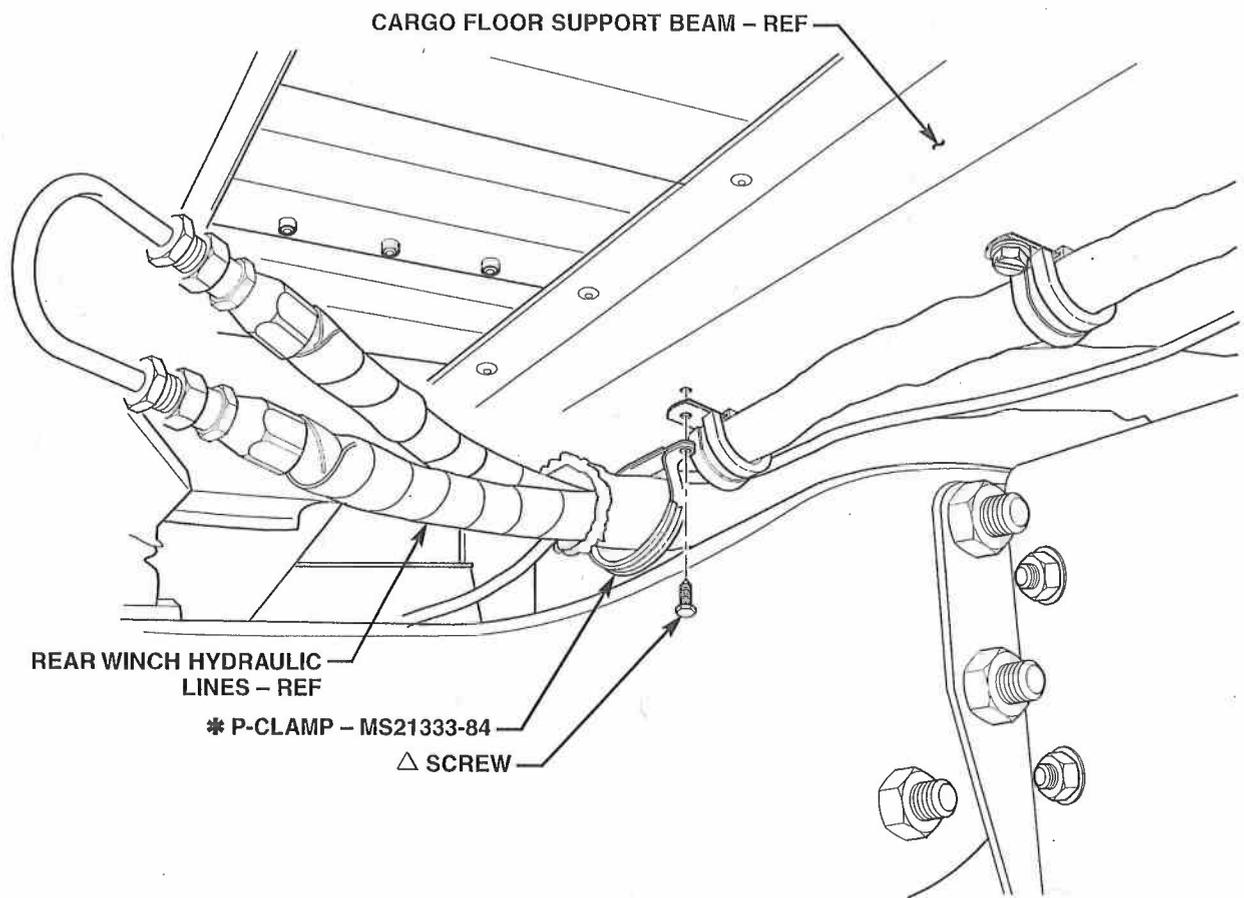


FIGURE 47

INSTALLATION INSTRUCTIONS, AUXILIARY FUEL TANK	SIZE	CAGE CODE	12506824		
	A	19207			
(AMG V7135)	10-08-19	REVISION LEVEL	B	SHEET 63	



FOR M1114 VEHICLES ONLY

**FIGURE 48**

<b>INSTALLATION INSTRUCTIONS, AUXILIARY FUEL TANK</b>	SIZE <b>A</b>	CAGE CODE <b>19207</b>	<b>12506824</b>		
	(AMG V7135)	10-08-19	REVISION LEVEL	<b>B</b>	SHEET 64

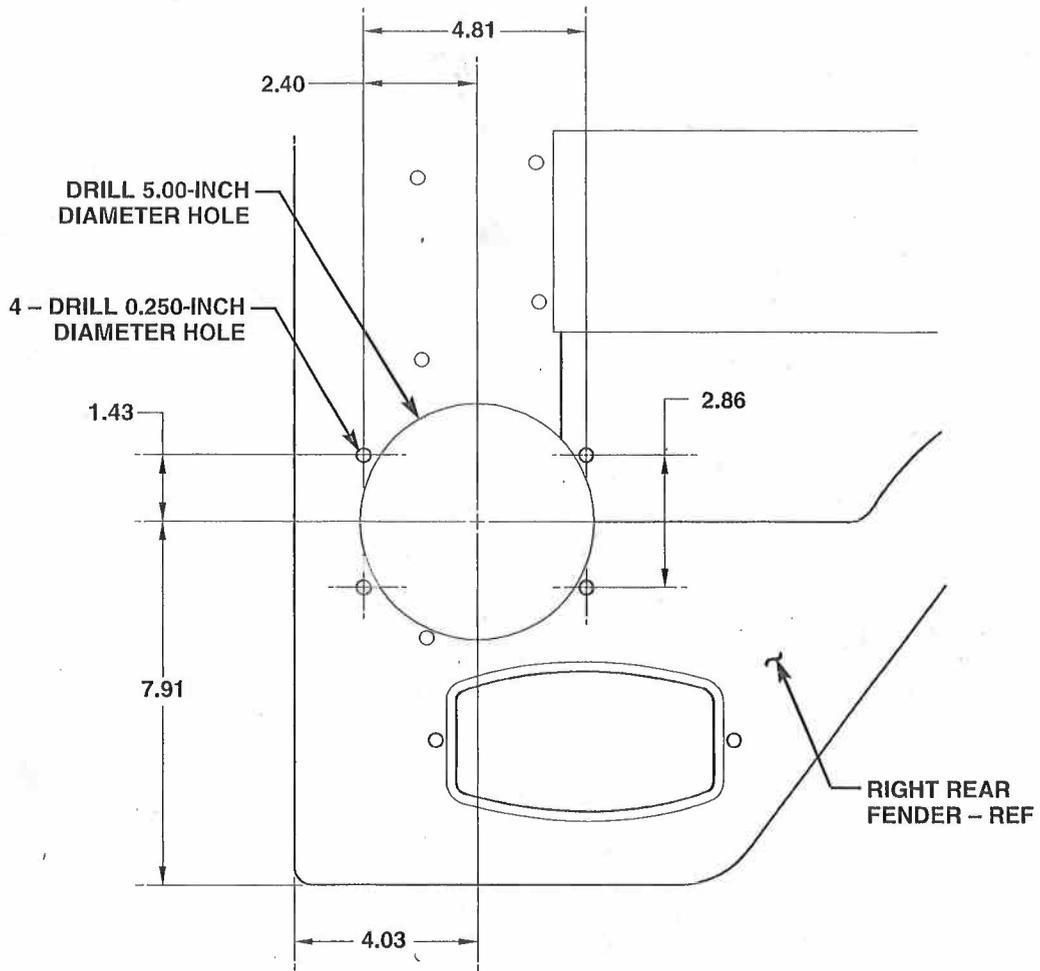
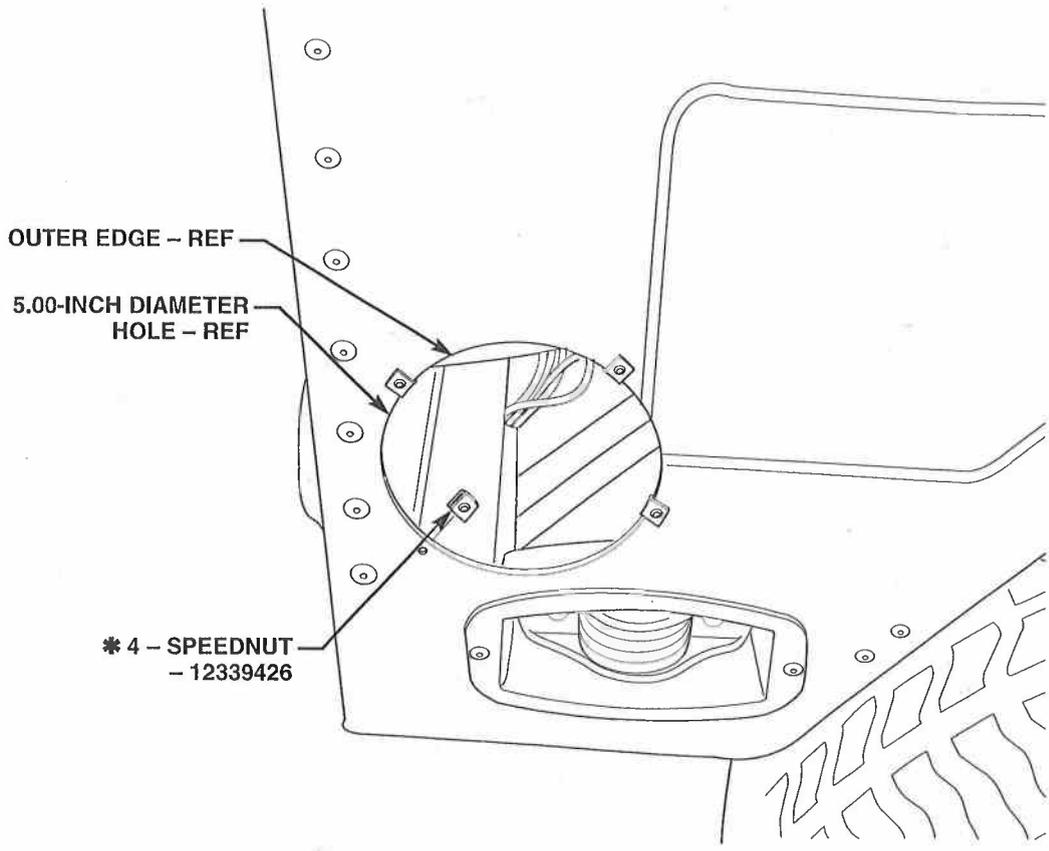


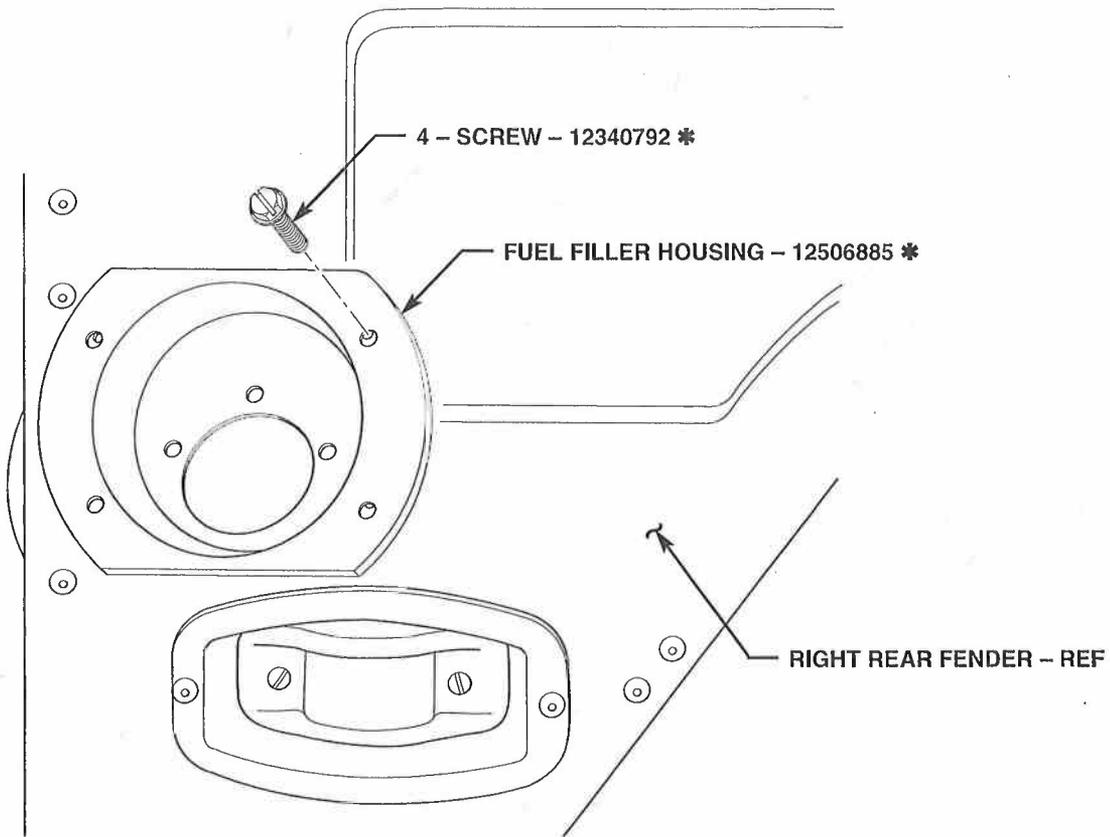
FIGURE 49

INSTALLATION INSTRUCTIONS, AUXILIARY FUEL TANK	SIZE	CAGE CODE	12506824		
	A	19207			
(AMG V7135)	10-08-19	REVISION LEVEL	B	SHEET 65	



**FIGURE 50**

<b>INSTALLATION INSTRUCTIONS, AUXILIARY FUEL TANK</b>	SIZE <b>A</b>	CAGE CODE <b>19207</b>	<b>12506824</b>		
	(AMG V7135)	10-08-19	REVISION LEVEL	<b>B</b>	SHEET 66



**FIGURE 51**

<b>INSTALLATION INSTRUCTIONS, AUXILIARY FUEL TANK</b>	SIZE <b>A</b>	CAGE CODE <b>19207</b>	<b>12506824</b>		
	(AMG V7135)	10-08-19	REVISION LEVEL	<b>B</b>	SHEET 67

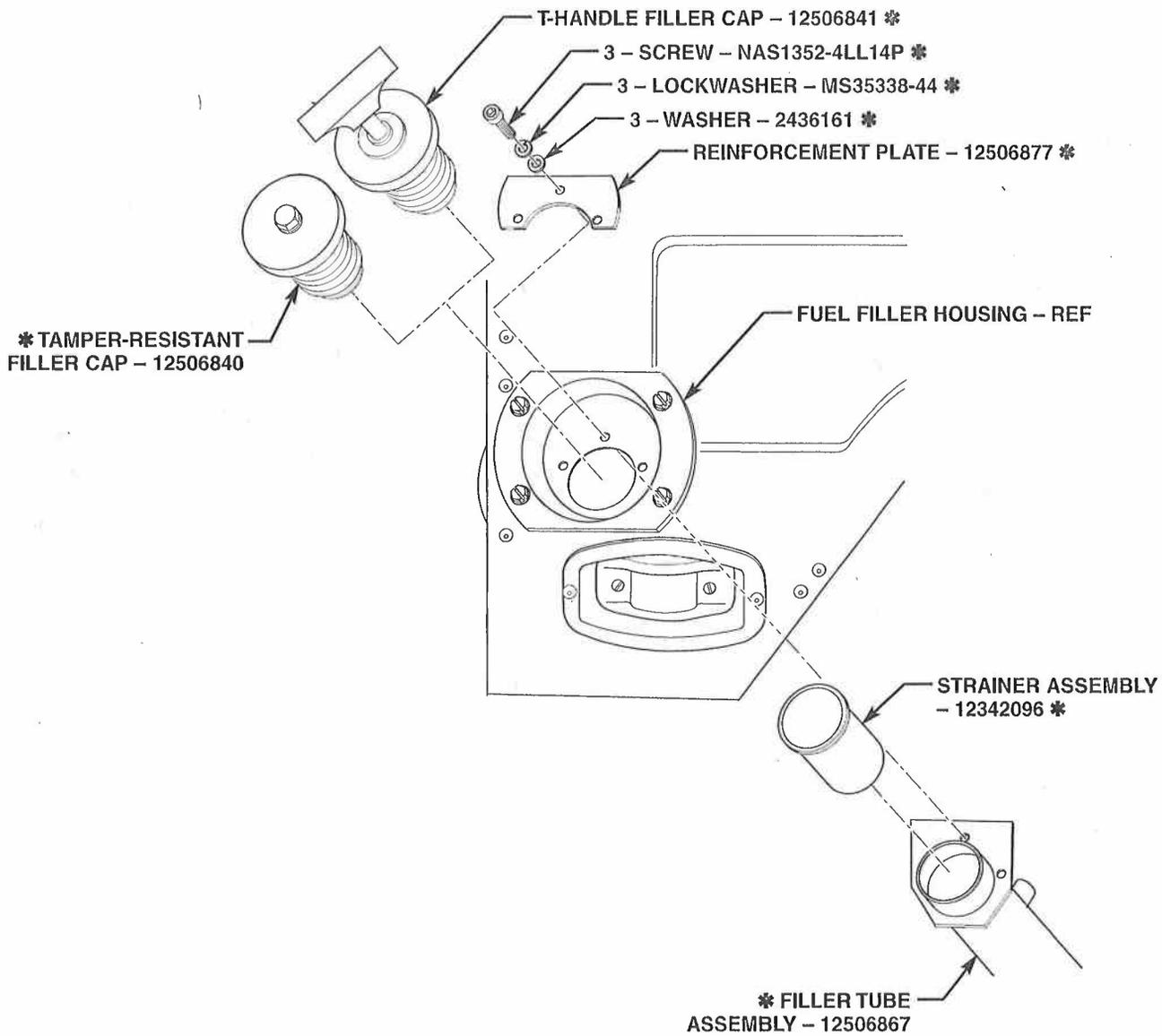
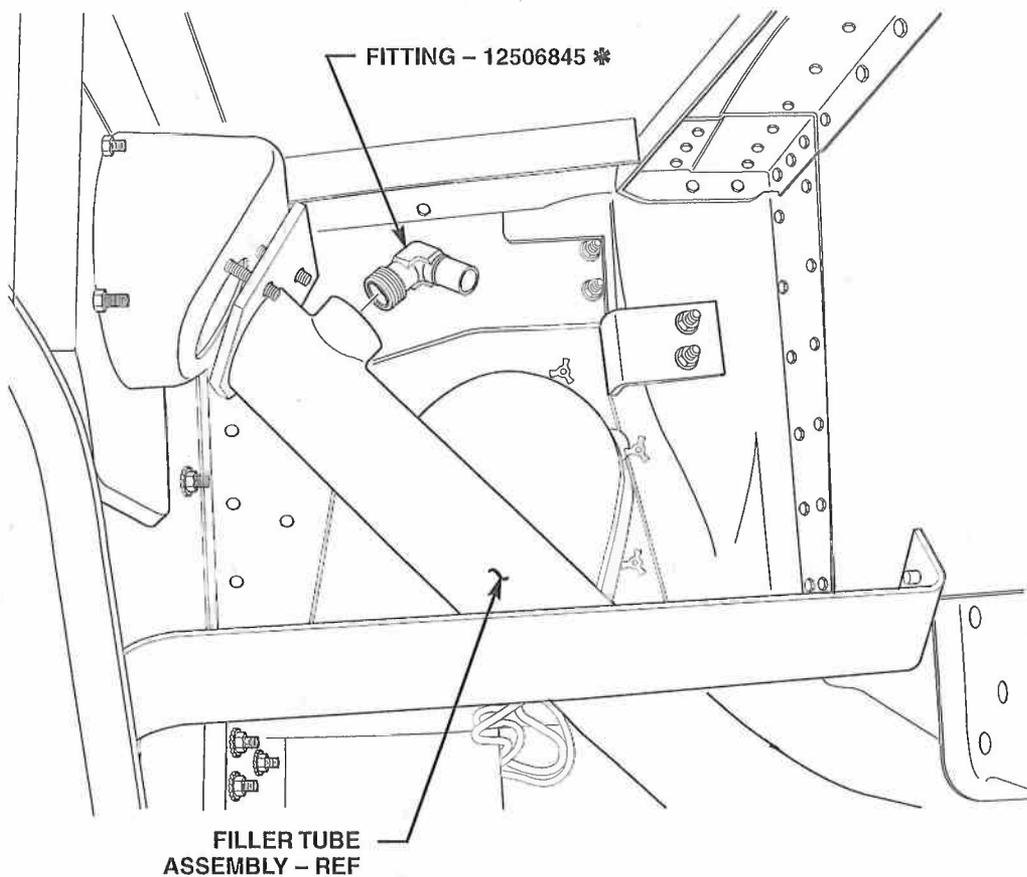


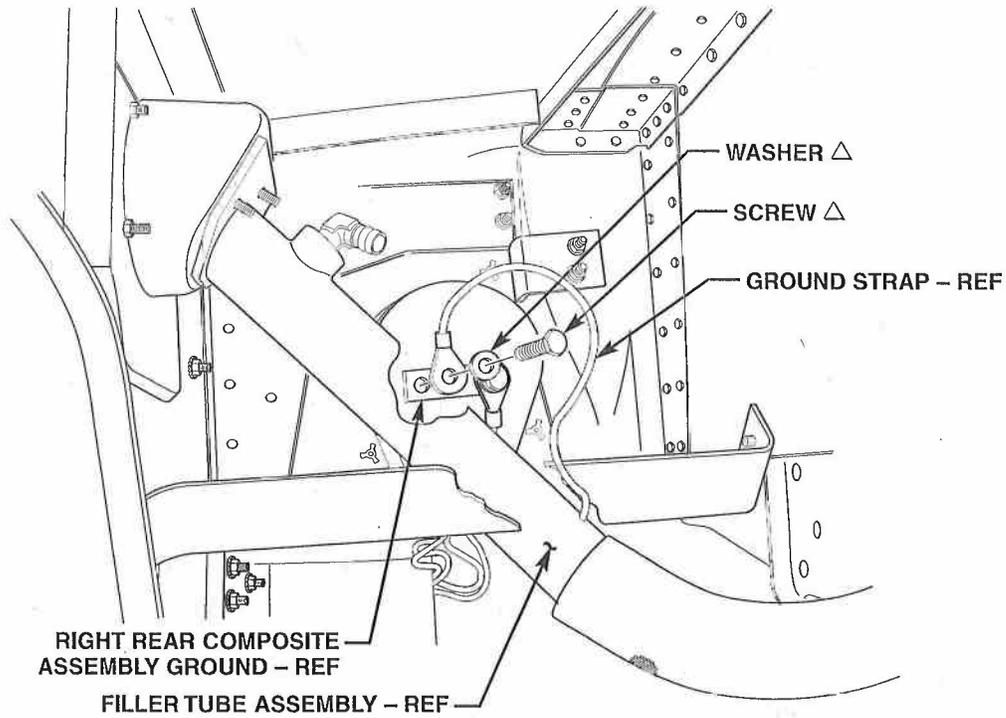
FIGURE 52

INSTALLATION INSTRUCTIONS, AUXILIARY FUEL TANK	SIZE	CAGE CODE	12506824		
	A	19207			
(AMG V7135)	10-08-19	REVISION LEVEL	B	SHEET 68	



**FIGURE 53**

<b>INSTALLATION INSTRUCTIONS, AUXILIARY FUEL TANK</b>	SIZE <b>A</b>	CAGE CODE <b>19207</b>	<b>12506824</b>		
	(AMG V7135)	10-08-19	REVISION LEVEL	<b>B</b>	SHEET 69



**FIGURE 54**

<b>INSTALLATION INSTRUCTIONS, AUXILIARY FUEL TANK</b>	SIZE <b>A</b>	CAGE CODE <b>19207</b>	<b>12506824</b>		
	(AMG V7135)	10-08-19	REVISION LEVEL	<b>B</b>	SHEET 70

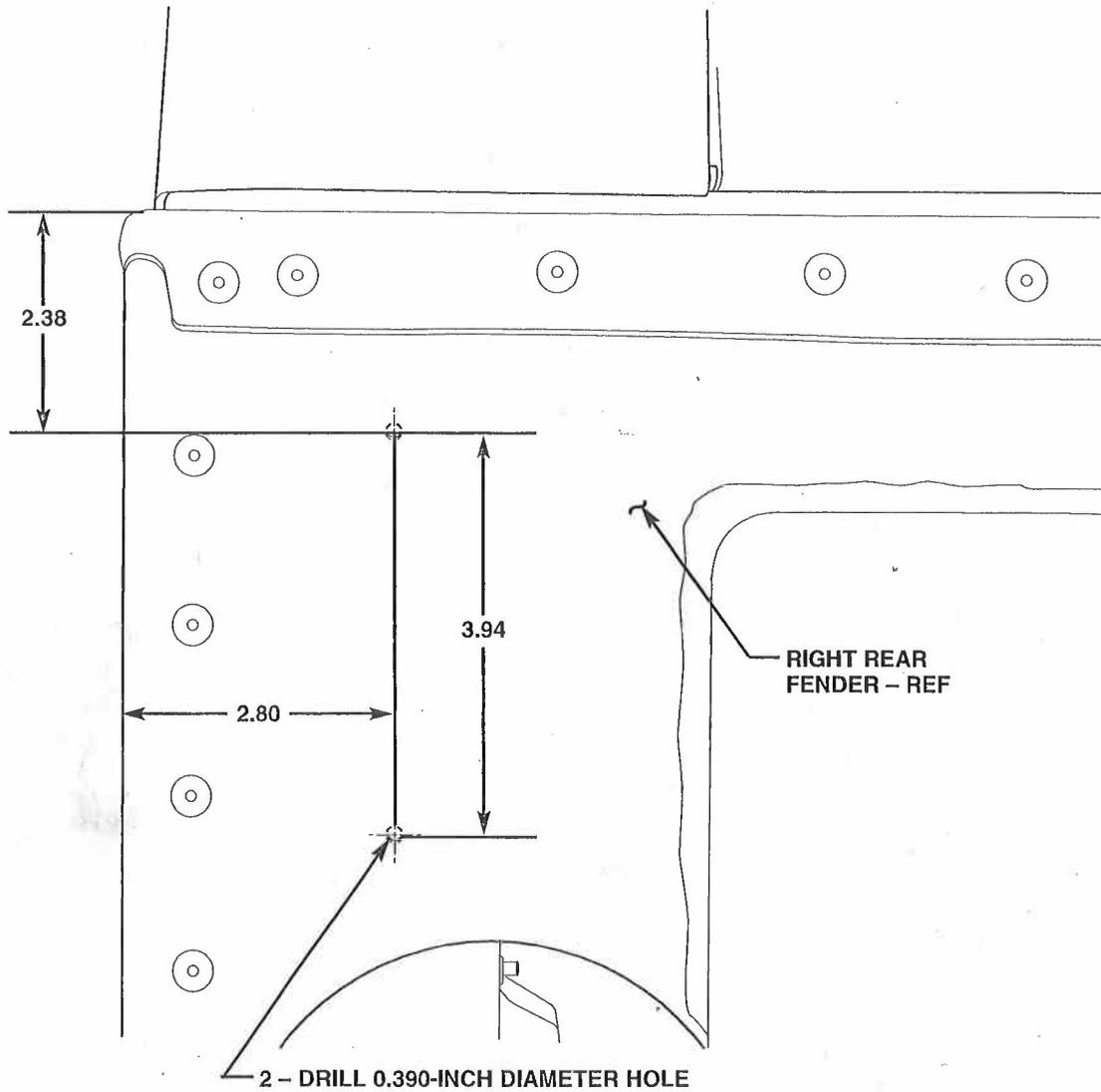


FIGURE 55

INSTALLATION INSTRUCTIONS, AUXILIARY FUEL TANK	SIZE	CAGE CODE	12506824		
	A	19207			
(AMG V7135)	10-08-19	REVISION LEVEL	B	SHEET 71	

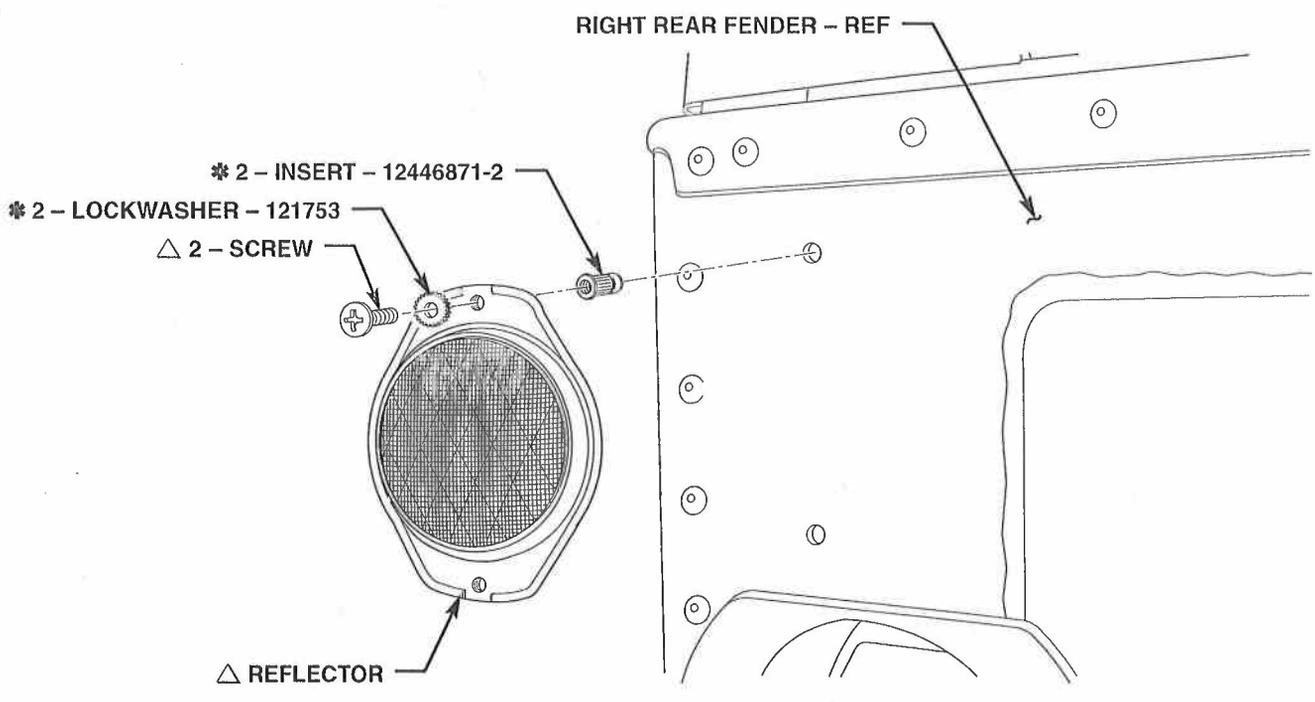


FIGURE 56

INSTALLATION INSTRUCTIONS, AUXILIARY FUEL TANK	SIZE	CAGE CODE	12506824		
	A	19207			
(AMG V7135)	10-08-19	REVISION LEVEL	B	SHEET 72	

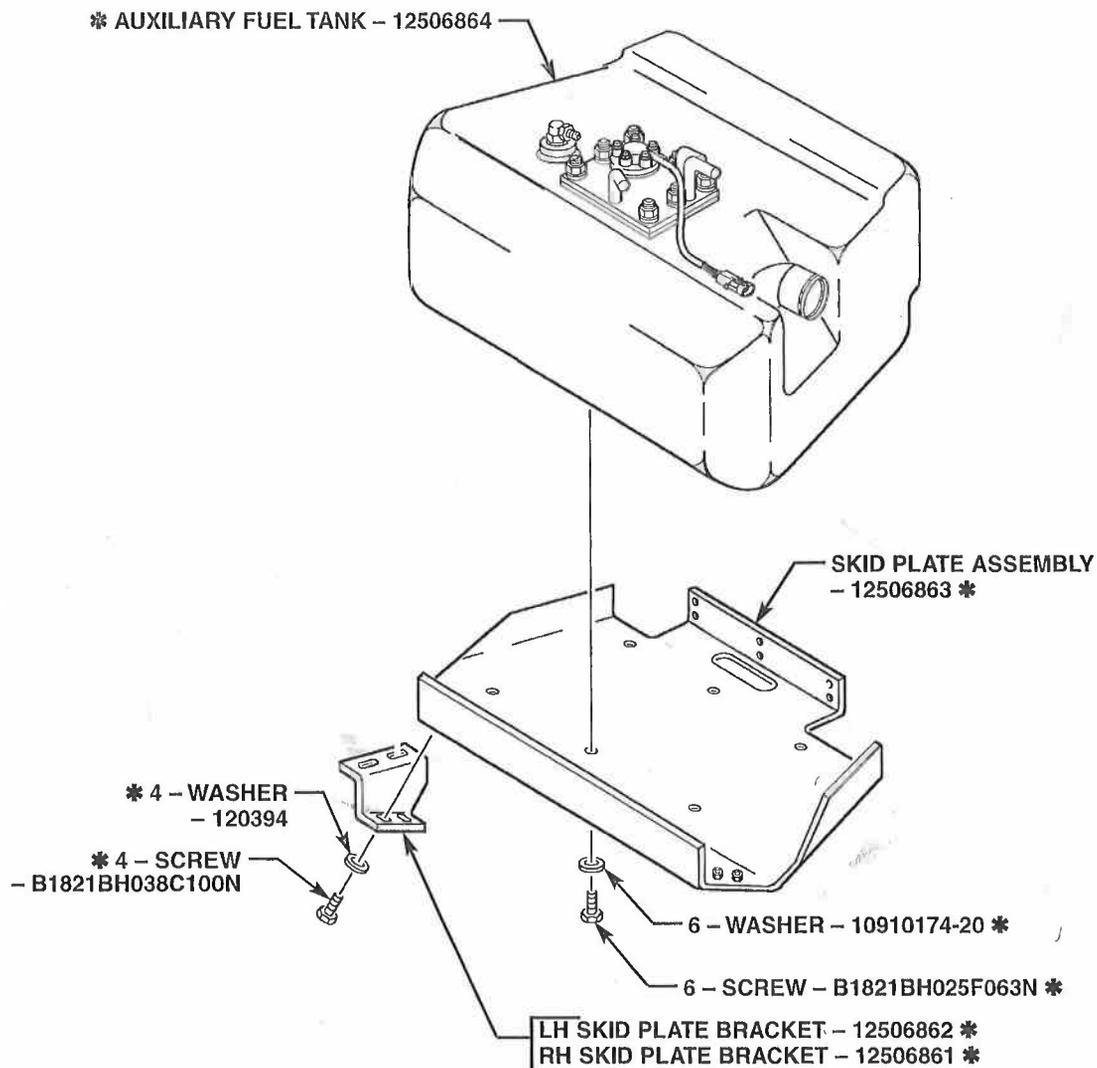
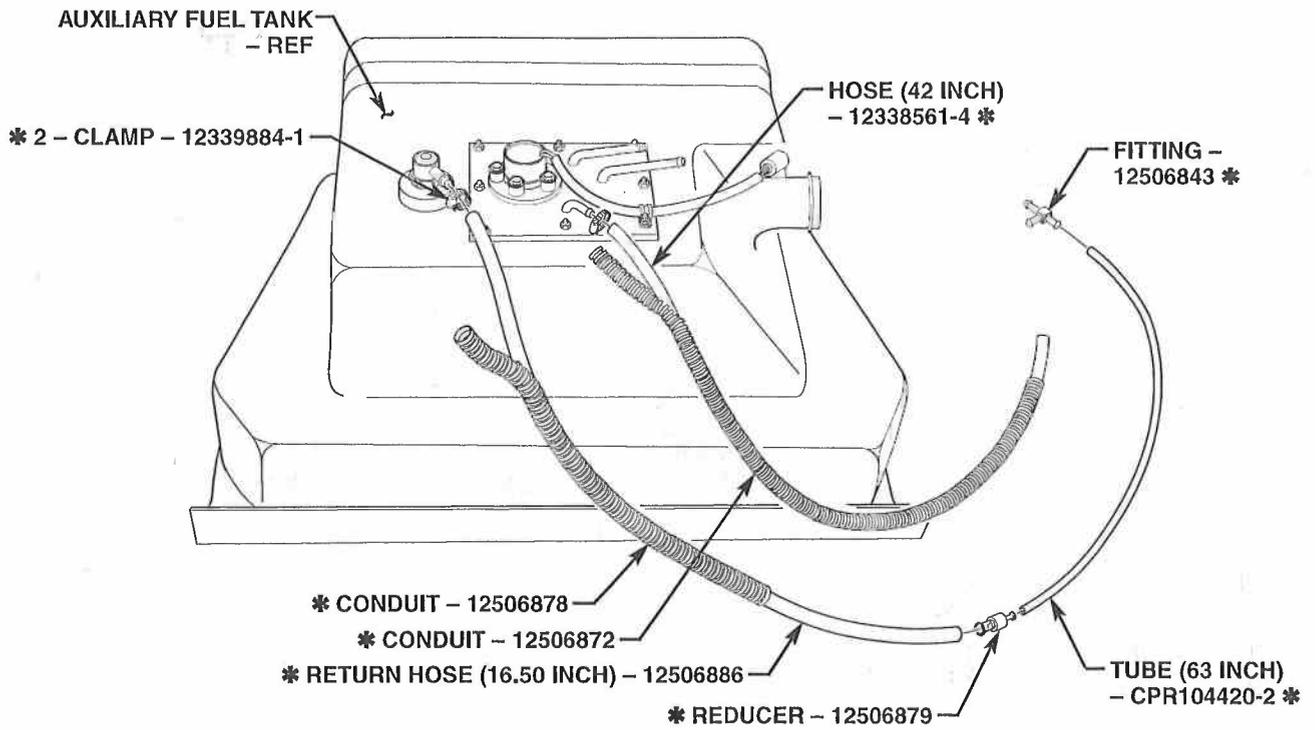


FIGURE 57

INSTALLATION INSTRUCTIONS, AUXILIARY FUEL TANK	SIZE	CAGE CODE	12506824		
	A	19207			
(AMG V7184)	10-11-04	REVISION LEVEL	C	SHEET 73	



**FIGURE 58**

<b>INSTALLATION INSTRUCTIONS, AUXILIARY FUEL TANK</b>	SIZE <b>A</b>	CAGE CODE <b>19207</b>	<b>12506824</b>		
	(AMG V7135)	10-08-19	REVISION LEVEL	<b>B</b>	SHEET 74

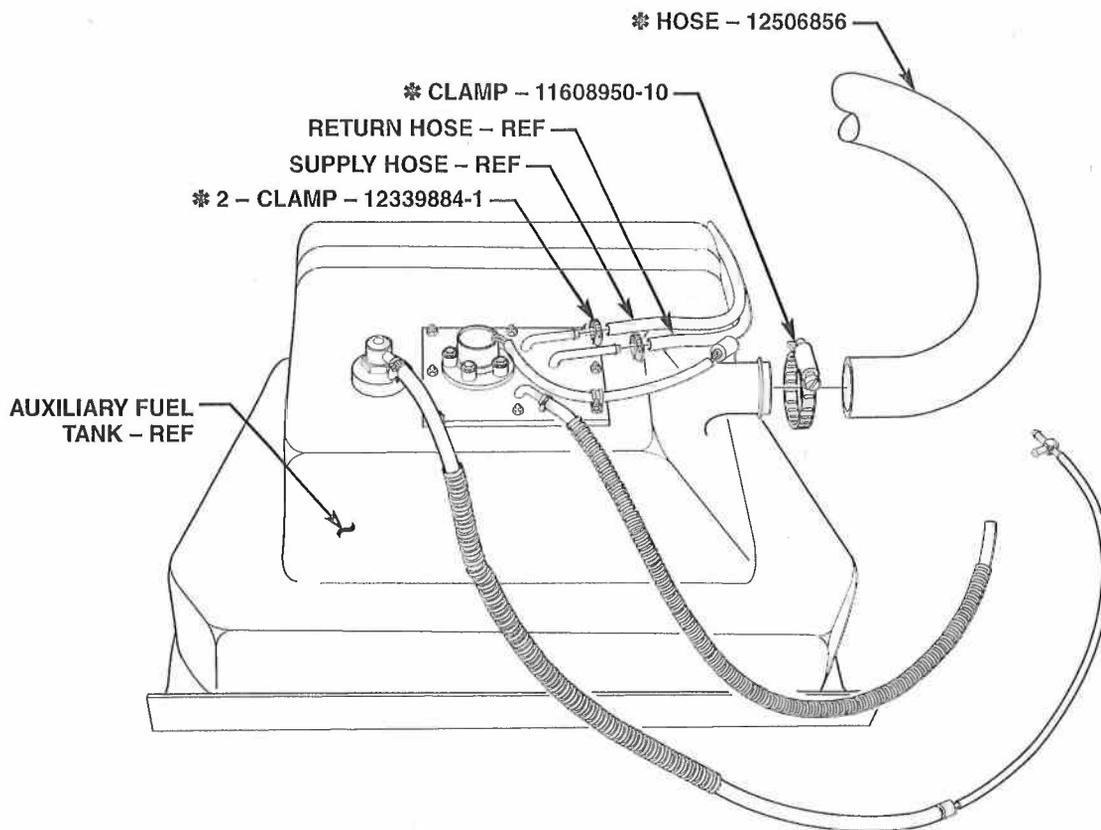
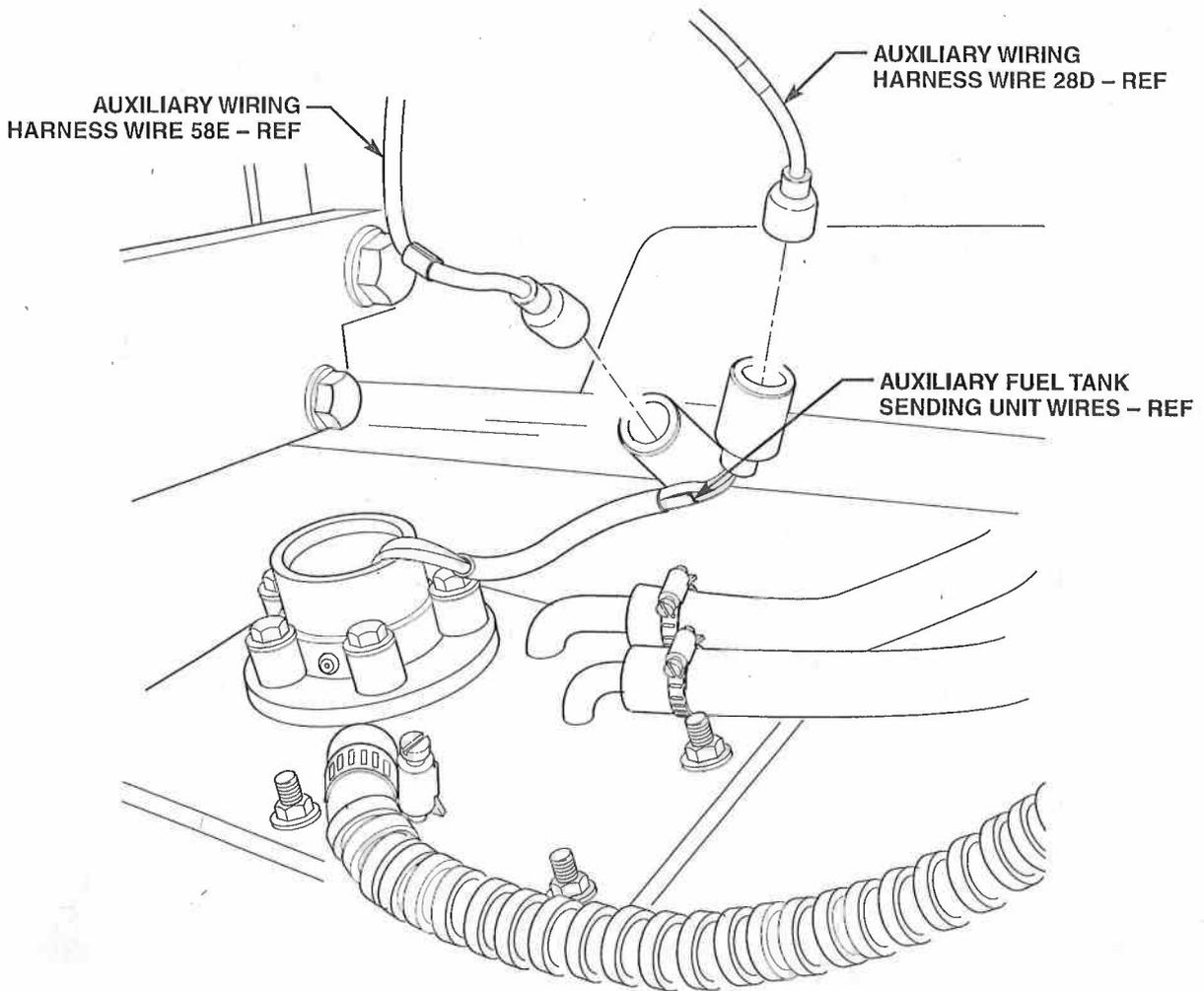


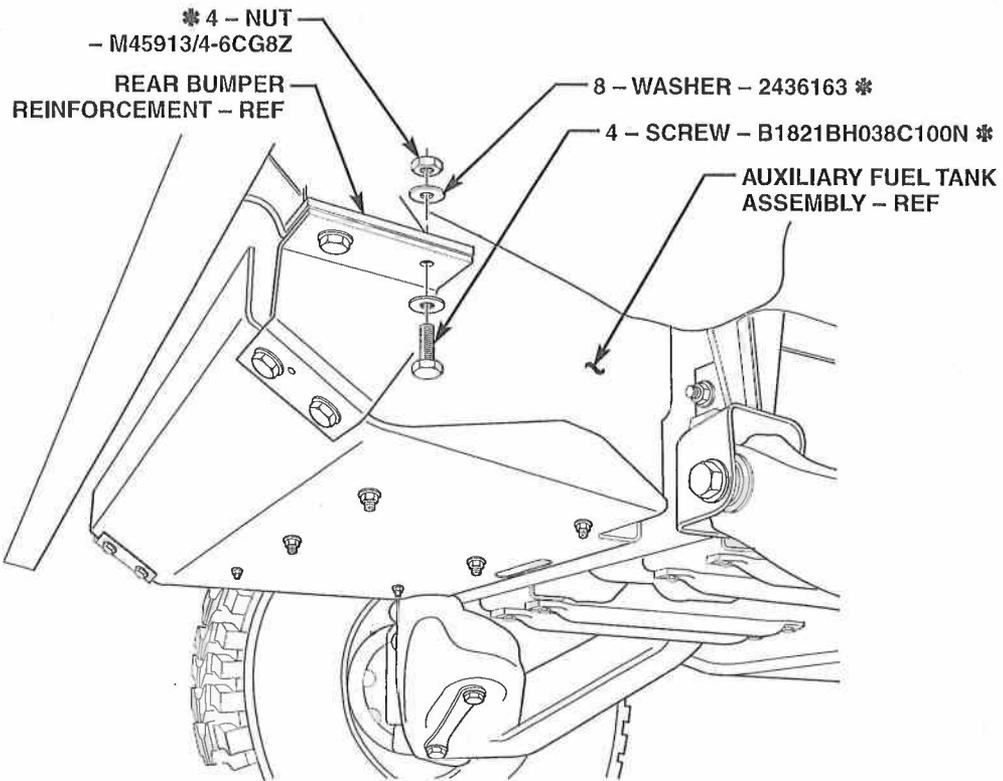
FIGURE 59

INSTALLATION INSTRUCTIONS, AUXILIARY FUEL TANK	SIZE	CAGE CODE	12506824		
	A	19207			
(AMG V7135)		10-08-19	REVISION LEVEL	B	SHEET 75



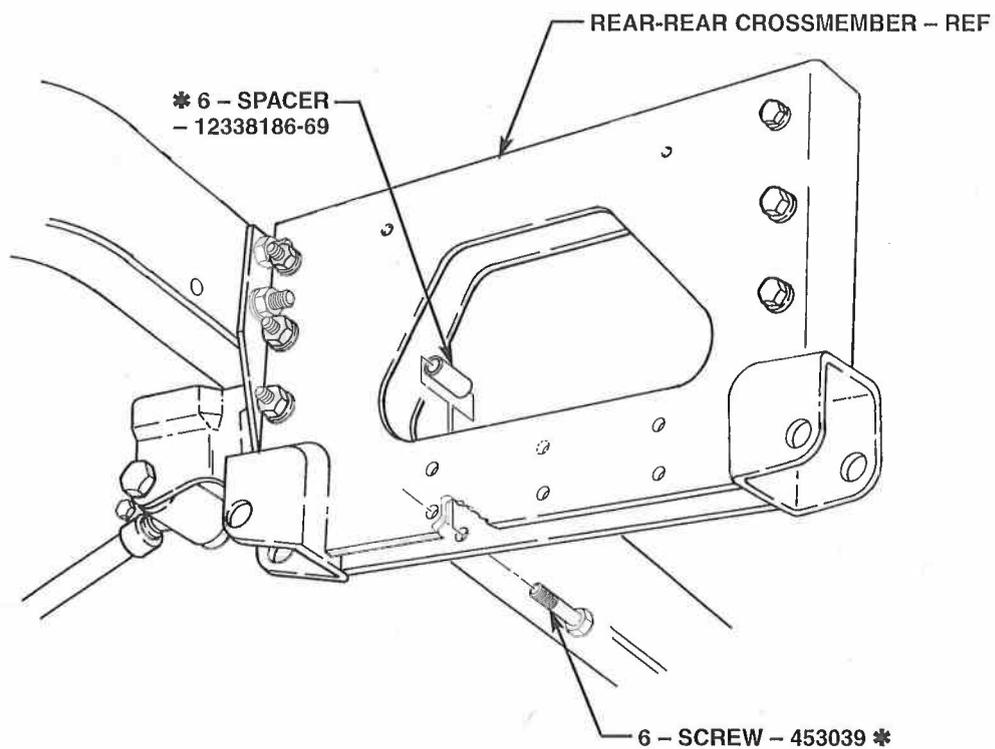
**FIGURE 60**

INSTALLATION INSTRUCTIONS, AUXILIARY FUEL TANK	SIZE	CAGE CODE	<b>12506824</b>		
	<b>A</b>	<b>19207</b>			
(AMG V7135)		10-08-19	REVISION LEVEL	<b>B</b>	SHEET 76



**FIGURE 61**

<b>INSTALLATION INSTRUCTIONS, AUXILIARY FUEL TANK</b>	SIZE <b>A</b>	CAGE CODE <b>19207</b>	<b>12506824</b>		
	(AMG V7135)	10-08-19	REVISION LEVEL	<b>B</b>	SHEET 77



AUXILIARY FUEL TANK NOT SHOWN FOR CLARITY

FIGURE 62

INSTALLATION INSTRUCTIONS, AUXILIARY FUEL TANK	SIZE	CAGE CODE	12506824		
	A	19207			
(AMG V7135)	10-08-19	REVISION LEVEL	B	SHEET 78	

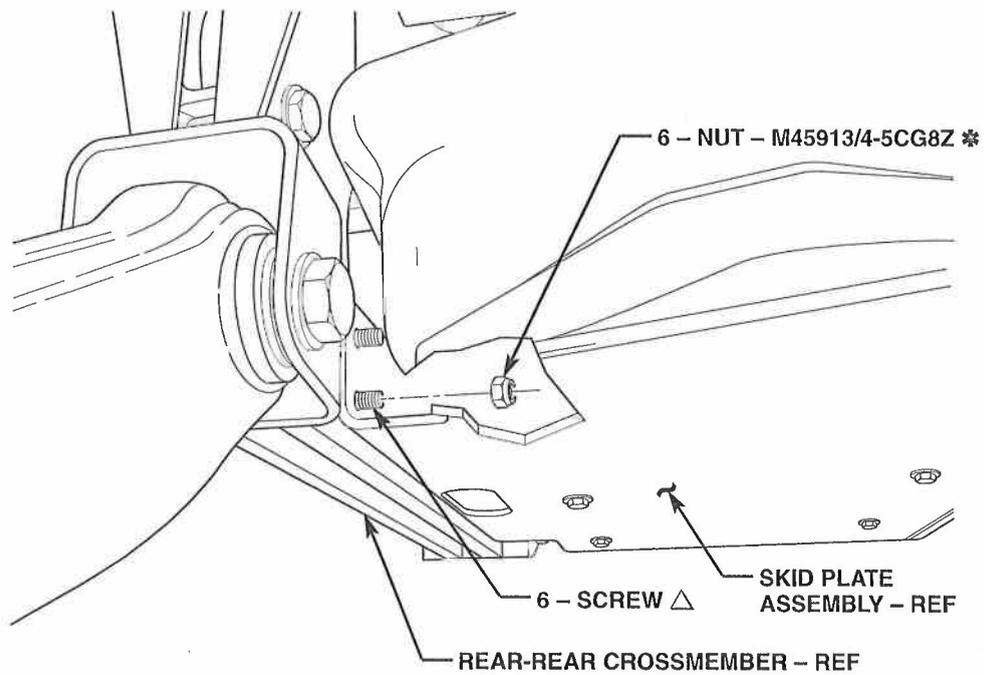
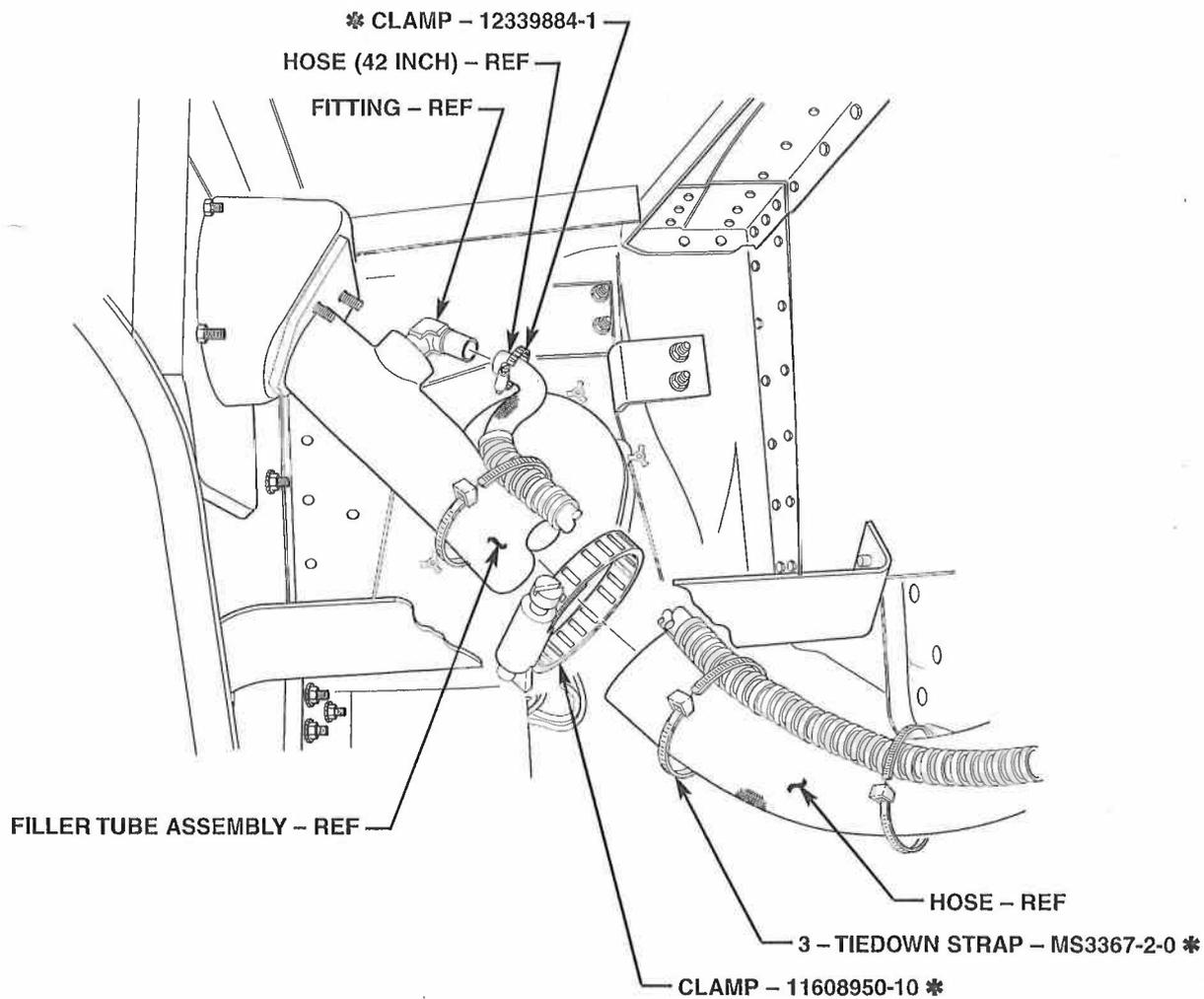


FIGURE 63

INSTALLATION INSTRUCTIONS, AUXILIARY FUEL TANK	SIZE	CAGE CODE	12506824		
	A	19207			
(AMG V7135)	10-08-19	REVISION LEVEL	B	SHEET 79	



**FIGURE 64**

<b>INSTALLATION INSTRUCTIONS, AUXILIARY FUEL TANK</b>	SIZE <b>A</b>	CAGE CODE <b>19207</b>	<b>12506824</b>		
	(AMG V7135)	10-08-19	REVISION LEVEL	<b>B</b>	SHEET 80

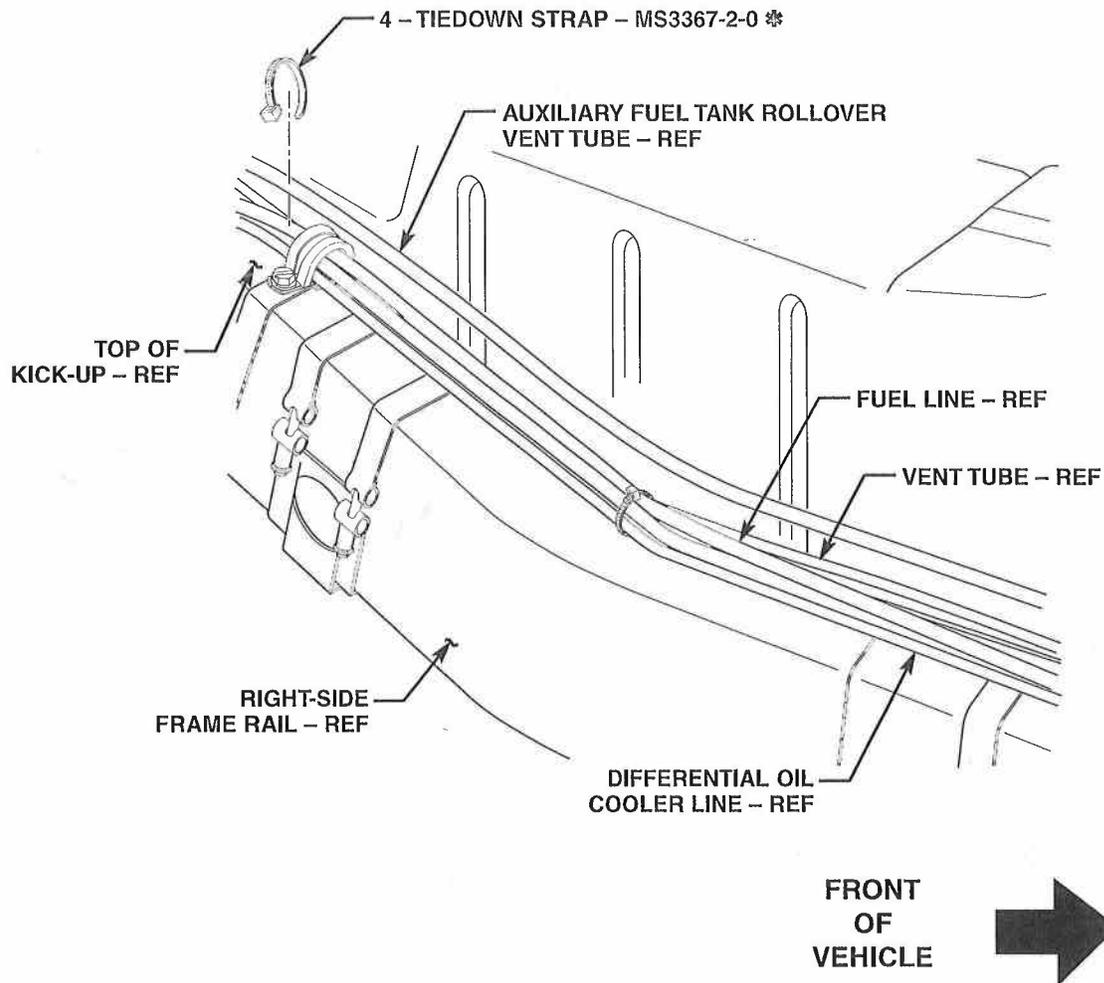


FIGURE 65

INSTALLATION INSTRUCTIONS, AUXILIARY FUEL TANK	SIZE	CAGE CODE	<b>12506824</b>		
	A	19207			
(AMG V7135)	10-08-19	REVISION LEVEL	B	SHEET 81	

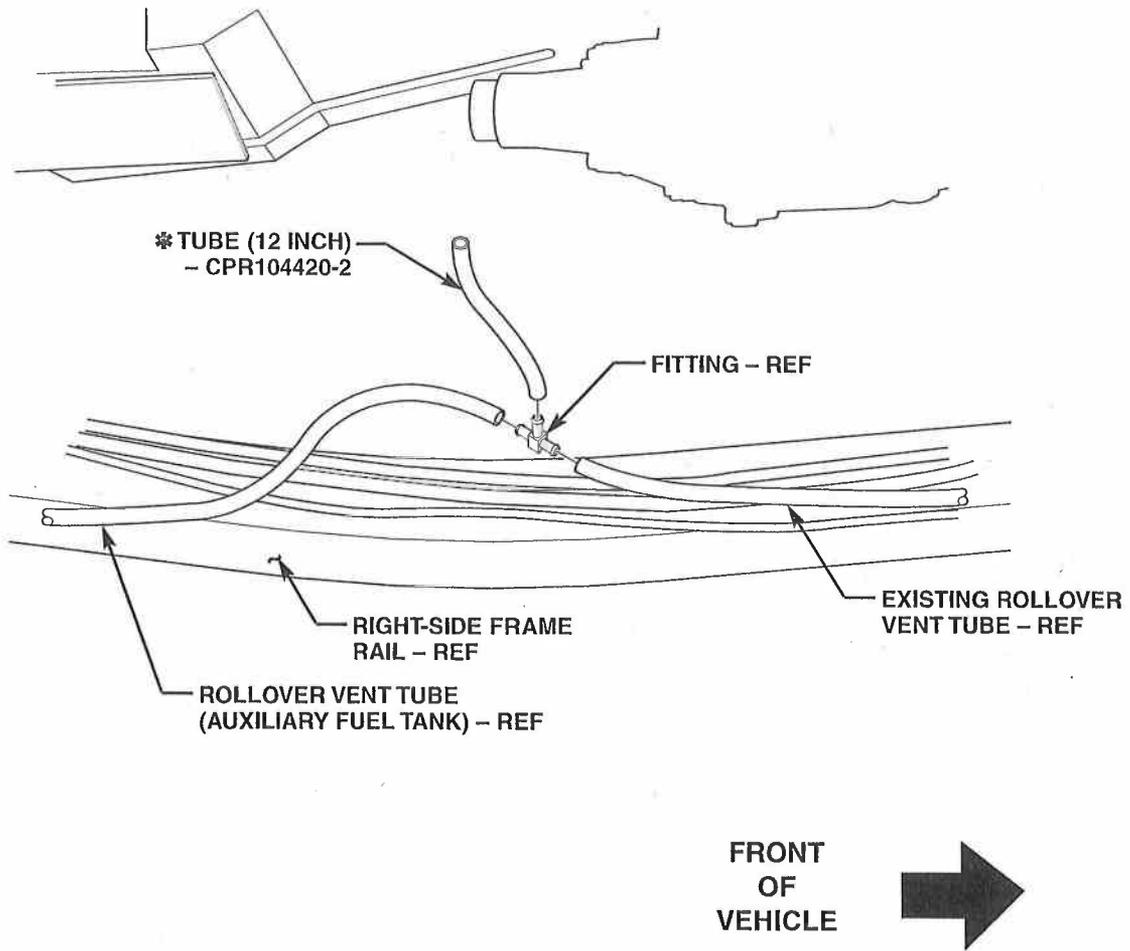


FIGURE 66

INSTALLATION INSTRUCTIONS, AUXILIARY FUEL TANK	SIZE	CAGE CODE	12506824		
	A	19207			
(AMG V7135)		10-08-19	REVISION LEVEL	B	SHEET 82