



OPERATION & SERVICE MANUAL



Models: EB3-5G, EB3-7G Bobtail Tractor

12/2025 – Rev. 08

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REVISION	DATE	TEXT AFFECTED
01	11/2023	Original release
02	01/2024	Major revision, added EB3-5G
03	03/2024	Added 4.0 Operation section
04	04/2024	Major revision
05	07/2024	Modified 6.3 OEM Component Modifications, 6.4 Exhaust System, 6.5 Bumpers and Side Rails, 6.6 Rear Bed Structure, 6.15 Backup Camera Assembly
07	09/2025	6.18 Modified Option, Fire Extinguisher - 10 lb ABC or BC
08	12/2025	Modified 8.2 Eagle Warranty



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From everyone at Eagle Tugs, we would like to say thank you for purchasing an Eagle EB3 series tow tractor. We take a lot of pride in the quality of the products that we build, as well as, our continued customer service. Our goal is to build a long-term relationship with our customers. We want you, the customer, to be 100% satisfied with your Eagle experience. To us, this means that your Eagle EB3 series tractor is functionally superior to any other products you have used. This also means that your Eagle product is continually supported in a professional, timely manner.

1.0 PRODUCT INFORMATION

1.1 DESCRIPTION

This manual is designed as a reference guide to make the reader more familiar with the Eagle-specific components of the Eagle EB3 series tow tractor models. This manual includes part numbers and descriptions to assist the reader in ordering component spare/service parts

Please check www.eagletugs.com periodically for updates to this Operation and Service Manual, and/or service bulletins that affect your tractor.

1.2 MODEL & SERIAL NUMBER

Reference nameplate on unit.

1.3 MANUFACTURER

TRONAIR, Inc. / **Eagle Tugs**
1 Air Cargo Pkwy East
Swanton, Ohio 43558 USA

Telephone: (419) 866-6301 or 800-426-6301
Fax: (419) 867-0634
E-mail: sales@tronair.com
Website: www.tronair.com

2.0 SAFETY INFORMATION

2.1 USAGE AND SAFETY INFORMATION

To ensure safe operations please read the following statements and understand their meaning. Also refer to your equipment manufacturer's manual for other important safety information. This manual contains safety precautions which are explained below. Please read carefully.

Operation of the EB3 should be limited to flat, level pavement. Do not exceed 25 mph (40 kph) operating speed under any conditions. Do not operate the EB3 off-road or on uneven terrain. If off-road operation or over uneven terrain is absolutely necessary, proceed as slowly as possible.



WARNING!

Warning is used to indicate the presence of a hazard that can cause **severe personal injury, death, and/or substantial property damage** if the Warning Notice is ignored.



CAUTION!

Caution is used to indicate the presence of a hazard, which will or can cause **minor personal injury or property damage** if the Caution Notice is ignored.

2.2 IMPORTANT SAFETY NOTICE

Appropriate service methods and proper repair procedures are essential for the safe and reliable operation of all industrial equipment as well as the personal safety of the individual performing the work. This service manual provides general directions for accomplishing service and repair work with tested and effective techniques. Following them will help assure reliability.

There are numerous variations in procedures, techniques, tools, and parts for servicing equipment, as well as in the skill of the individual doing the work. This manual cannot anticipate all such variations and provide advice or cautions as to each. Accordingly, anyone who departs from the instructions provided in this manual must first establish that he compromises his/her personal safety and/or the equipment integrity by his/her choice of methods, tools or parts.

2.3 GENERAL

The following list contains some general warnings that you should follow when you work on equipment:

- Always wear safety glasses for eye protection.
- Use safety stands whenever a procedure requires you to be under the equipment.
- Be sure that the ignition switch and battery is disconnected unless otherwise required by the procedure.
- Set the parking brake when working on the equipment. Place wheel chocks on the tires to provide further restraint from inadvertent equipment movement.
- Keep yourself and your clothing away from moving parts when the motor is running.
- Do not smoke while working on the equipment.
- To avoid injury, always remove rings, watches, loose hanging jewelry, and loose clothing before beginning to work on the equipment. Tie long hair securely behind the head.

For more information regarding safety please refer to the operations manual provided with your tug. This manual can also be found on the Eagle Tugs website at www.eagletugs.com.

3.0 TRAINING

3.1 TRAINING REQUIREMENTS

The employer of the operator is responsible for providing a training program sufficient for the safe operation of the unit.

3.2 TRAINING PROGRAM

The employer provided operator training program should cover safety procedures concerning use of the unit in and around the intended aircraft at the intended aircraft servicing location.

3.3 OPERATOR TRAINING

The operator training should provide the required training for safe operation of the unit.

NOTE: Maintenance and Trouble Shooting are to be performed by a skilled and trained technician.

4.0 OPERATION

4.1 OPERATOR REQUIREMENTS

The Bobtail series tow tractor is a piece of industrial equipment and has inherent safety risks. As such, the operator of the tow tractor is expected to have a fork truck or similar license, or be otherwise trained in the usage of material handling equipment.

The operator should read this manual in its entirety before operating the tow tractor.

The operator should be familiar with all aspects of the tow tractor before operating it.

4.2 OPERATOR WORKSTATION

Your Bobtail series tow tractor features an ergonomically designed operator's cabin based on a Ford chassis. This is the only operator workstation on the tractor. Do not sit on or stand on the tractor outside of the cabin area during tractor movement.

The operator and any passengers should be seated with the seatbelt secured when moving or operating the tractor.

Always bring the tractor to a complete stop and place the tractor in Park before exiting the tractor.

4.3 PRE-OPERATION CHECKLIST

The following inspections should be conducted as stated below. Additional inspections may be required due to unusual operating conditions.



WARNING!

Any problems noted during inspection should be corrected as soon as possible. Failure to promptly attend to problems could compromise safety and/or the tractor's performance. Do not attempt to make repairs. Contact a qualified mechanic.

4.3.1 Daily Pre-Operation Checklist

Daily Pre-Operation Checklist	Satisfactory	Service Required	Not Applicable
Walk-Around Inspection			
Verify no evidence of leaks under and around the tractor			
Verify fuel cap securely in place			
Visually verify tires are fully inflated			
Verify rims and tires free from damage including tire tread			
Verify tire tread is free from debris			
Verify lights, mirrors, and reflectors are clean			
Operational Checks (tractor engine running)			
Verify that the dash LED indicators are free of errors and warnings			
Verify that battery voltage is above 12V			
Verify that horn is operational			
Verify that lights, flashers, and beacon work properly			
Cab Inspection			
Verify windows clean			
Verify windows free of cracks and chips			
Verify windshield wipers operate properly			
Verify heater and fans operate properly			

4.3.2 Weekly Operation Checklist

Weekly Pre-Operation Checklist	Satisfactory	Service Required	Not Applicable
Walk-Around Inspection			
Verify tire inflation pressure (per manufacturer label in door frame)			
Engine Compartment Inspection			
Check engine oil level (top off in necessary)			
Check engine coolant level (top off if necessary)			

4.4 STARTUP/SHUTDOWN AND SAFE TOWING

4.4.1 Starting The Unit:

1. With feet firmly on the floor mat, adjust the seat to a comfortable position.
2. Sit in the operator seat and buckle the seat belt.
3. Verify that the gear selector is in the park position.
4. Start the engine with the ignition switch.
5. Select the desired transmission gear (D or R)
6. While holding the service brake pedal, release the parking brake.
7. Verify that the intended path of the tractor is clear of obstructions and personnel and then proceed with driving.

4.4.2 Shutting Down The Unit:

1. Bring the tractor to a complete stop with the service brake.
2. Put the tractor in park using the shift lever.
3. Turn the tractor off by turning the ignition switch.

4.4.3 Load Towing Safety

If towing or pushing a load, check to see that:

1. The towed load is securely connected to the hitch of the tractor. Be sure hitch is locked/fastened into the closed position.
2. For maximum tractor and load control and stability, as well as towing power, be sure the towbar is parallel to the ground when connected to the tractor's hitch.
3. Ensure the towed load clears all obstacles when towing.

	<ul style="list-style-type: none"> ● The Tronair Bobtail is equipped with a speed limiting governor for operator safety. ● It is the responsibility of the operator to always maintain a safe operating speed. ● Driving speed should never exceed a safe operating speed considering the environment, weather, and towed load.
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5.0 MAINTENANCE

The Ford operator's manual should be the basis for all preventive maintenance scheduling. Note that one hour of operation should be considered equivalent to 25 miles per the Ford preventive maintenance schedule.

6.0 PROVISION OF SPARES

6.1 SOURCE OF SPARE PARTS

Spare parts may be obtained from the manufacturer:

TRONAIR, Inc. / Eagle Tugs Telephone: (419) 866-6301 or 800-426-6301
 1 Air Cargo Pkwy East Fax: 419) 867-0634
 Swanton, Ohio 43558 USA E-mail: sales@tronair.com
 Website: www.tronair.com



For Spare Parts, Operations & Service Manuals or Service Needs:
 Scan the QR code or visit tronair.com/pages/tronair-information-center

6.2 RECOMMENDED SPARE PARTS LISTS

Reference the following page(s) for Replacement Parts and Kits available.

6.3 OEM COMPONENT MODIFICATIONS

Multiple components and systems on the EB3 are either modified Ford OEM parts or aftermarket replacements.

- A The EB3 rear leaf springs are aftermarket replacement of Ford's OEM springs. Stock springs from your local Ford dealer will not fit.
- B The EB3 rear driveshaft is a modified stock Ford Motor Company driveshaft. A stock driveshaft from your local Ford dealer will not work without Eagle-specific modifications.
- C The EB3 rear axle has additional mounting surfaces added to mount to the suspension. A stock Ford Motor Company rear axle will not mount correctly.
- D The Ford OEM fuel tank and Evap Canister are repositioned and modified for alternate hose routings and electrical connections. A stock Ford Motor Company Fuel Tank will not work as-is without some modifications to its onboard hoses and connections.
- E The brake lines are replaced aft of the driver position to fit the shortened frame.
- F The ford OEM Muffler is replaced with an aftermarket model. A stock Ford Motor Company muffler and adjacent pipe routings will not fit.
- G The OEM wire harness, aft of the cab, contains modifications to re-route connections to multiple components. See section 5.26 Electrical for more information.

Front axle/wheel alignment specs are: 1/4" Toe In and -1° Camber.

To order a replacement component or system, contact Eagle Tugs with the tractor VIN number in-hand.

For other vehicle components or systems not expressly listed or described in this manual, contact your local Ford dealer.

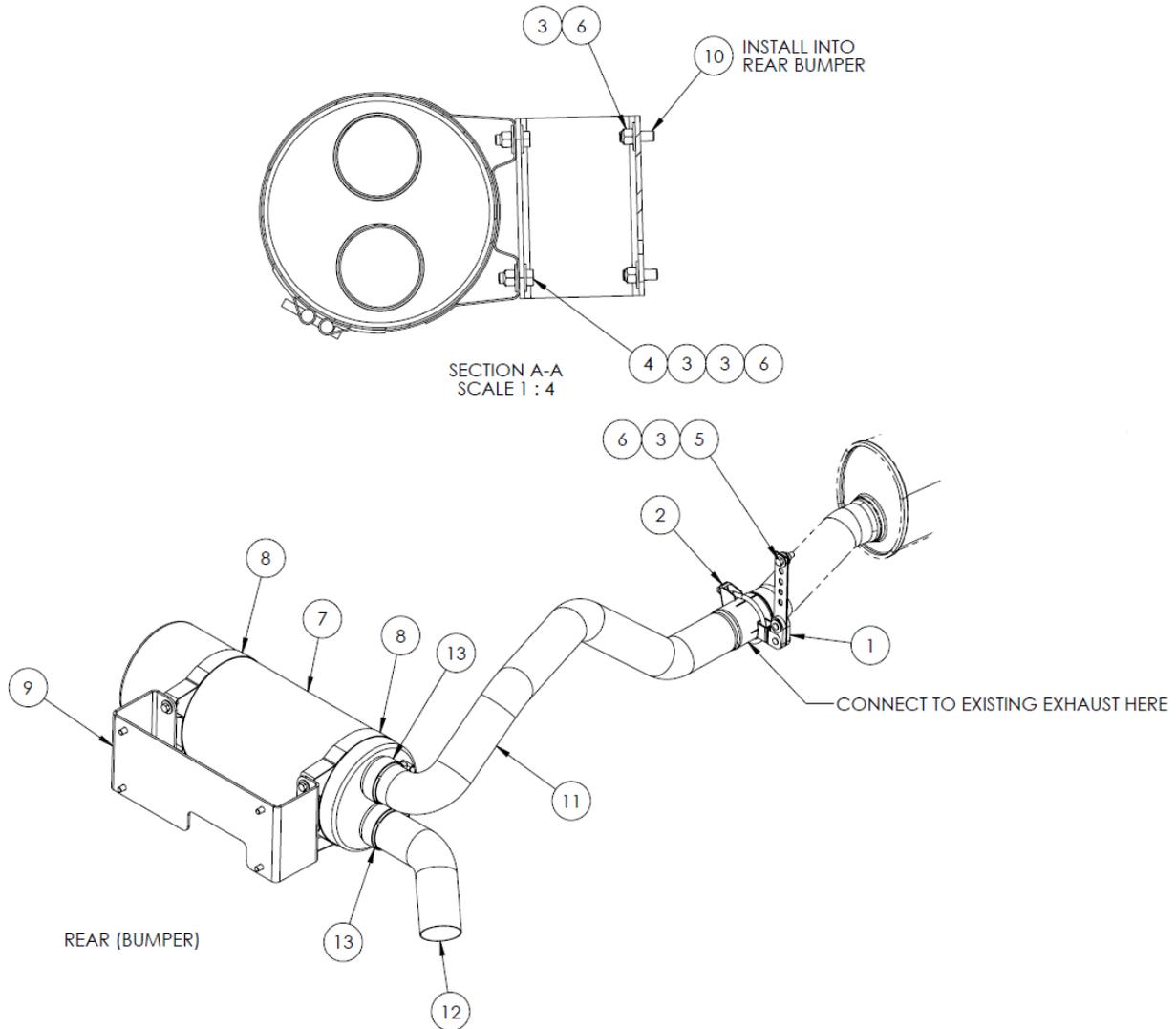
Parts List

When ordering replacement parts/kits, please specify model, serial number and color of your unit.

Item	Part Number	Description	Qty
A	H-5306	LEAF SPRING	2
B	H-5147	EB3-5G DRIVESHAFT, ≤ MY22	1
	H-5142	EB3-5G DRIVESHAFT, ≥ MY23	1
	H-5108	EB3-7G DRIVESHAFT	1
C	Z-12511-00	REAR AXLE, SRW, ≤ MY22	1
	Z-12510-00	REAR AXLE, SRW, ≥ MY23	1
	Z-12499-00	REAR AXLE, DRW	1
D	NPN	FUEL TANK	1
	NPN	EVAP CANISTER	1
E	Z-12038	BRAKE LINE SET	1
F	H-5084	MUFFLER	1
G	Z-12071	ASSEMBLY ELECTRICAL, SEE SECTION 5.26 ELECTRICAL	NA

6.4 EXHAUST SYSTEM (EB3-5G & EB3-7G)

The Ford OEM muffler and adjacent piping are replaced aft of the OEM resonator.

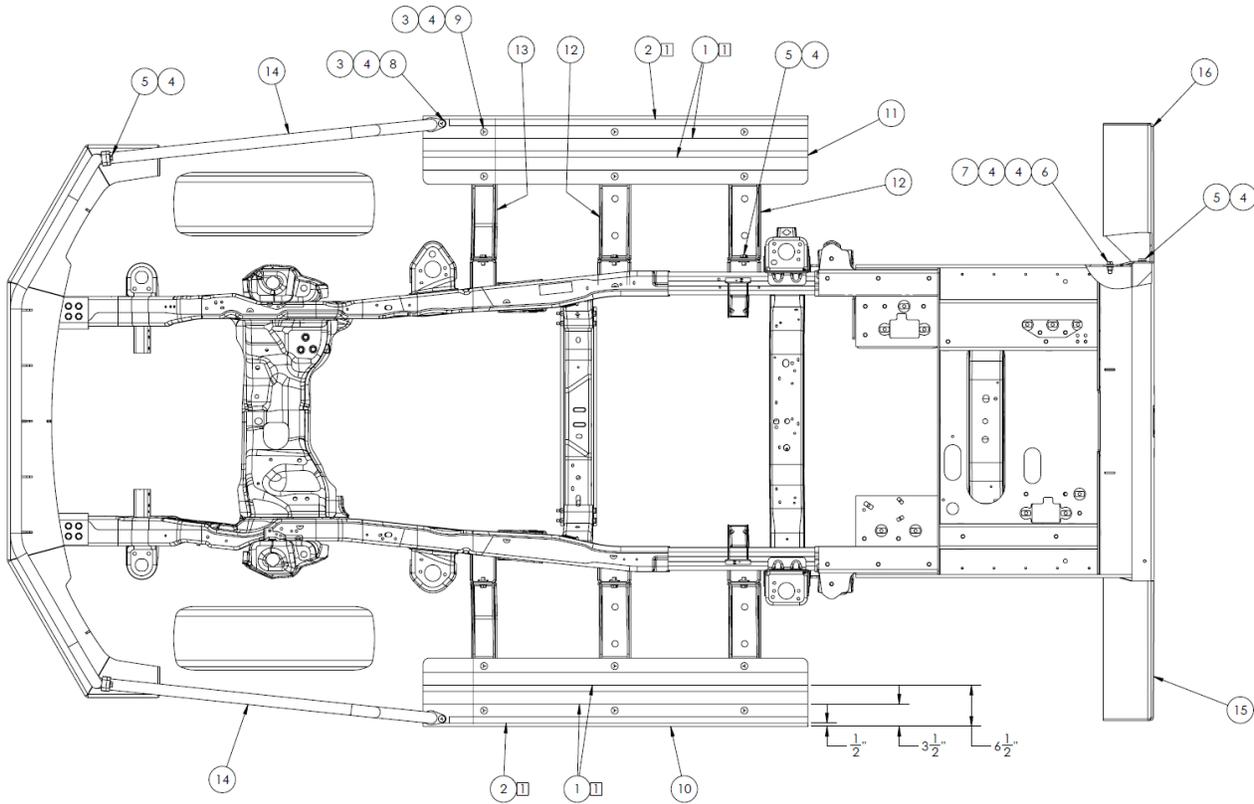


Parts List

When ordering replacement parts/kits, please specify model, serial number and color of your unit.

Item	Part Number	Description	Qty
1	A-TT4-00260	PIPE HANGAR 360 SWIVEL CL END	1
2	EB2 EX CLAMP	3" HEAVY DUTY EXHAUST CLAMP	1
3	G-1250-1070W	FLATWASHER, 3/8 WIDE	14
4	G-1420-107010	BOLT, 3/8-16 X 1.0" HEX HD GR 8	4
5	G-1420-107012	BOLT, 3/8-16 X 1.25" HEX HD GR 8	1
6	G-1727-1070	NUT, 3/8-16 TOP LOCK ZINC	9
7	H-5084	MUFFLER	1
8	H-5102	MTG BRACKET, MUFFLER	2
9	J-8902-00	MTG BRACKET, MUFFLER	1
10	R016-07-001.25	ROD, STL PLATE THD 3/8-16	4
11	TR-2818	EXHAUST PIPE	1
12	TR-2819	EXHAUST PIPE	1
13	XM00-07-004-SA	3 IN BAND STYLE EXHAUST CLAMP	2

6.5 BUMPERS AND SIDE RAILS

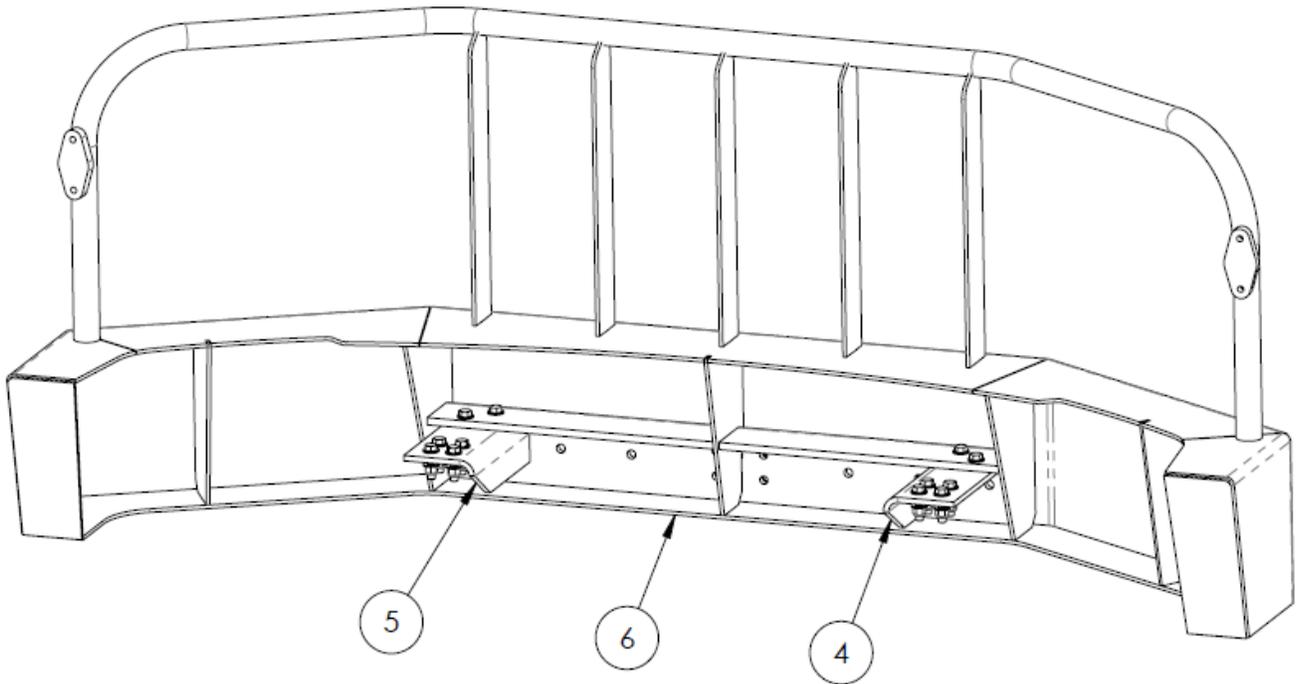


Parts List

When ordering replacement parts/kits, please specify model, serial number and color of your unit.

Item	Part Number	Description	Qty
1	A-EB2-00451	ANTI-SLIP TAPE, 2" WIDE	242.48
2	A-RTT12-00451	ANTI-SLIP TAPE, 1" WIDE	113
3	G-1202-1090	STOPNUT, 1/2-13 ELASTIC	14
4	G-1250-1090N	FLATWASHER, 1/2 NARROW	38
5	G-1420-109012	BOLT, 1/2-13 X 1-1/4" HEX HD GR 8	20
6	G-1420-109014	BOLT, 1/2-13 X 1-1/2" HEX HD GR 8	2
7	G-1727-1090	NUT, 1/2-13 TOP LOCK ZINC	2
8	G-1811-10916	1/2-13 x 1.75" LG CARRIAGE BOLT	2
9	G-1811-10930	1/2-13 x 3.00" LG CARRIAGE BOLT	12
10	J-8420-00	SIDE STEP, LH (P)	1
11	J-8421-00	SIDE STEP, RH (P)	1
12	Z-11939-00	WLD, SIDE STEP ARM, MID/AFT (WP)	4
13	Z-11940-00	WLD, SIDE STEP ARM, FORE (WP)	2
14	Z-12034-00	WLD, ARCH GUARD (WP)	2
15	Z-12502-00	WLD, REAR BUMP, DRW, LH (WP)	1
	Z-12515-00	WLD, REAR BUMP, SRW, LH (WP)	1
16	Z-12503-00	WLD, REAR BUMP, DRW, RH (WP)	1
	Z-12516-00	WLD, REAR BUMP, SRW, RH (WP)	1

- 6.5.1 Option, Front Bumper
This option is for a front bumper without “push bumpers”.



Parts List

When ordering replacement parts/kits, please specify model, serial number and color of your unit.

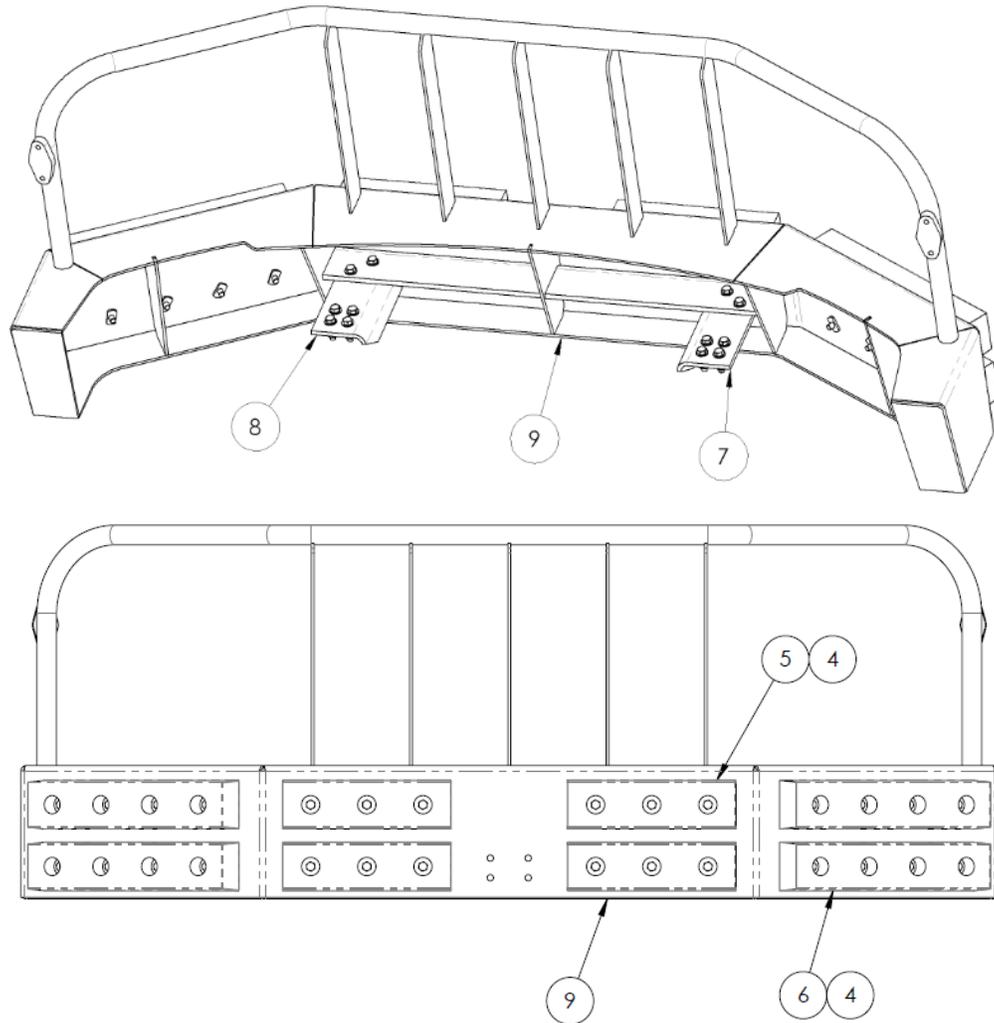
Item	Part Number	Description	Qty
1	G-1202-1090	STOPNUT, 1/2-13 ELASTIC	12
2	G-1250-1090N	FLATWASHER, 1/2 NARROW	24
3	G-1420-109020	BOLT, 1/2-13 X 2.00" HEX HD GR 8	12
4	J-8671-00	RH BUMPER TO FRAME MOUNTING BRACKET (P)	1
5	J-8672-00	LH BUMPER TO FRAME MOUNTING BRACKET (P)	1
6	Z-12262-00	WLD, FRONT BUMPER (WP)	1

6.5.2 OPTION, FRONT PUSH BUMPERS

This option places rubber “dock” bumpers on the front of the tractor. The intent is for these bumpers to serve as contact points in the case of incidental contact with other equipment.

NOTE: the base bumper part number is different for models without push bumpers. See section 5.5 Bumpers and Side Rails for part numbers.

NOTE: Adding this option after the tractor is complete requires extensive drilling on the front bumper. Some holes will be difficult to access for fastening of these molded rubber bumpers. Contact Eagle Tugs for a layout of recommended locations.



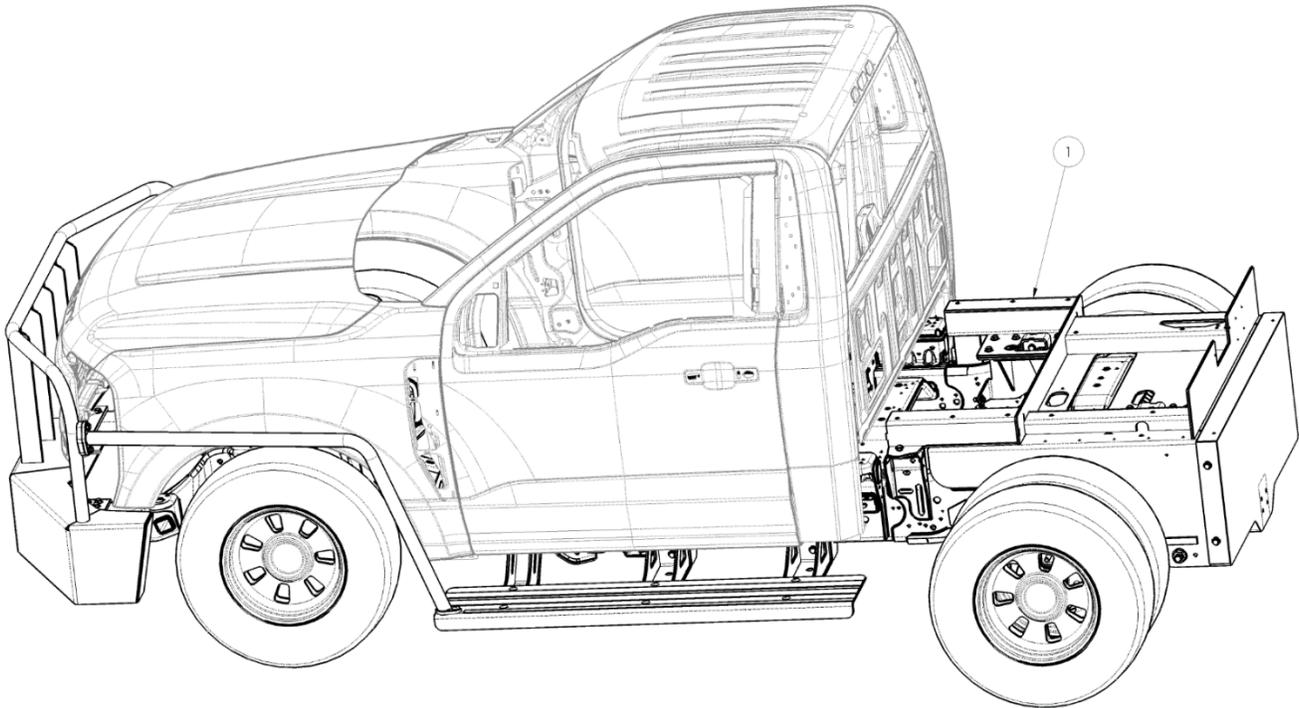
Parts List

When ordering replacement parts/kits, please specify model, serial number and color of your unit.

Item	Part Number	Description	Qty
1	G-1202-1090	STOPNUT, 1/2-13 ELASTIC	12
2	G-1250-1090N	FLATWASHER, 1/2 NARROW	24
3	G-1420-109020	BOLT, 1/2-13 X 2.00" HEX HD GR 8	12
4	G-1420-109022	BOLT, 1/2-13 X 2-1/4 H.H. GR 8	28
5	H-5109-15	BUMPER, MOLDED RUBBER DOCK 15"	4
6	H-5109-20	BUMPER, MOLDED RUBBER DOCK 20"	4
7	J-8671-00	RH BUMPER TO FRAME MOUNTING BRACKET (P)	1
8	J-8672-00	LH BUMPER TO FRAME MOUNTING BRACKET (P)	1
9	Z-12266-00	WLD, FRONT PUSH BUMPER (WP)	1

6.6 REAR BED STRUCTURE

The rear bed structure connects directly to the OEM chassis frame rails and supports a majority of critical components for the EB3 including the rear suspension, fuel system, ballast, and cap structure.



Parts List

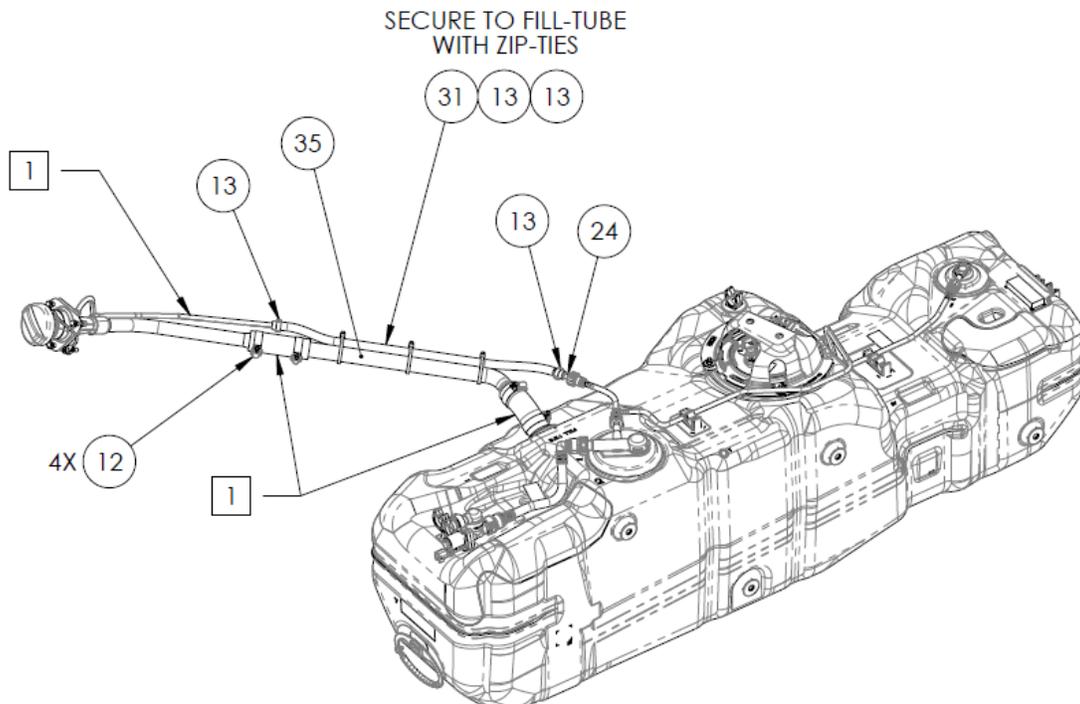
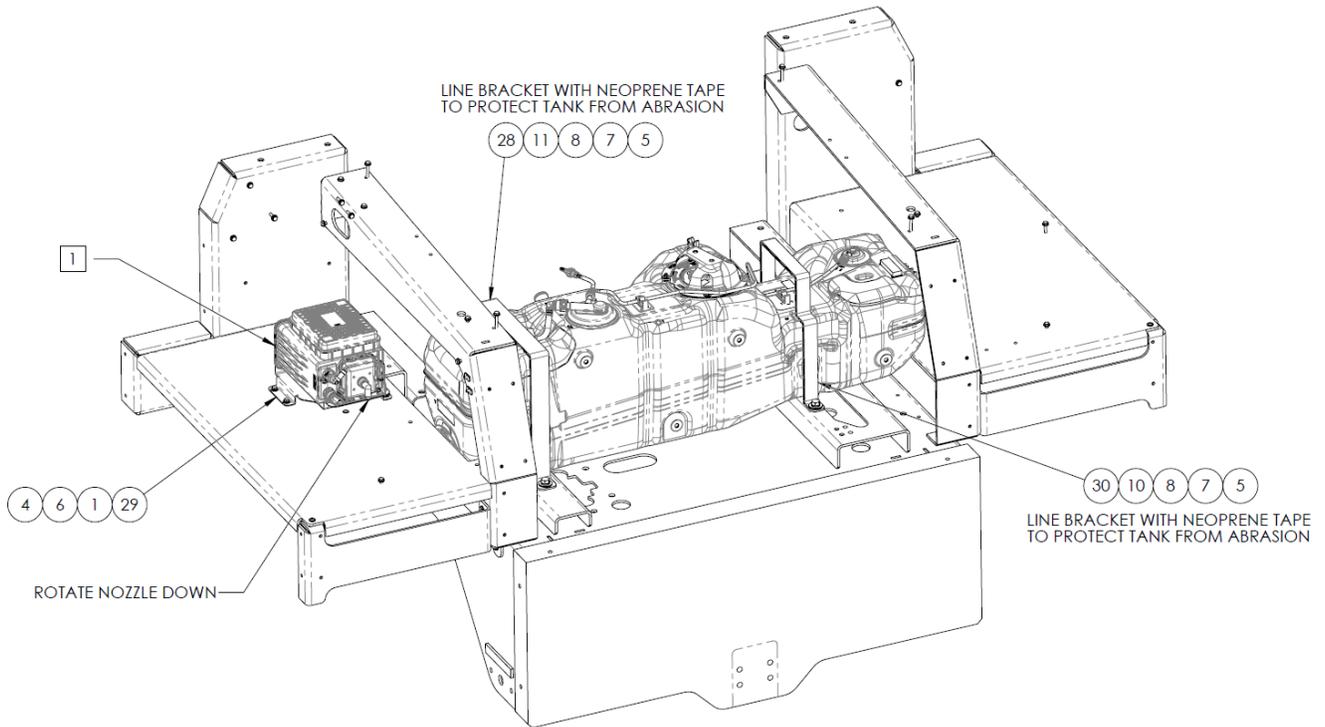
When ordering replacement parts/kits, please specify model, serial number and color of your unit.

Item	Part Number	Description	Qty
1	Z-12497-00	WLD, REAR BED STRUCTURE	n/a

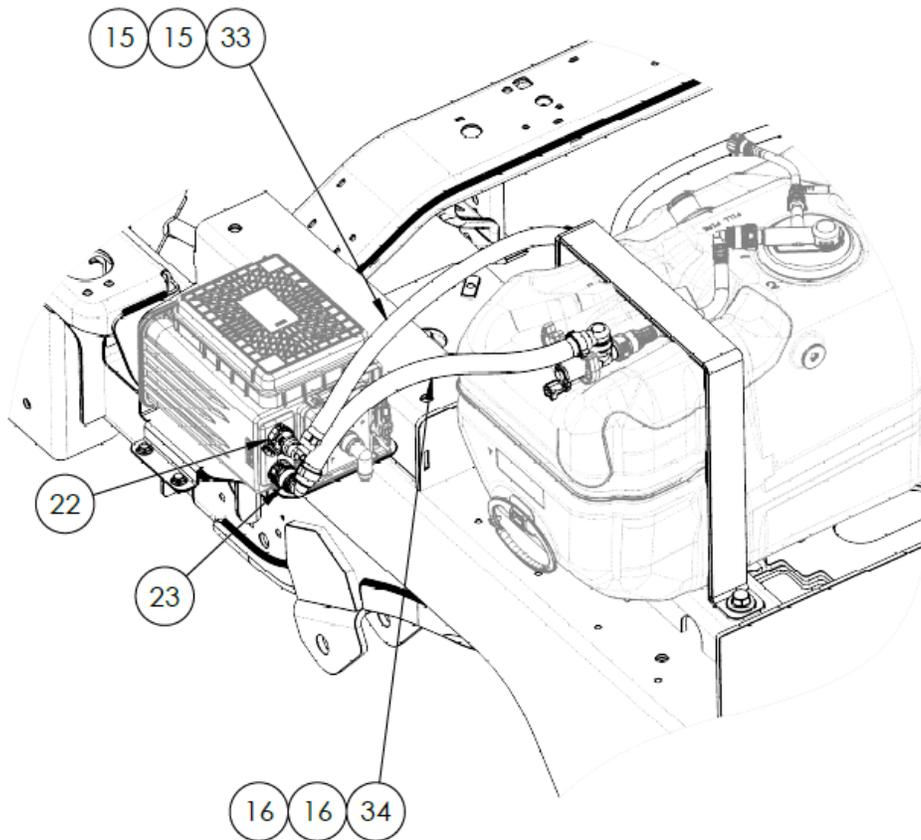
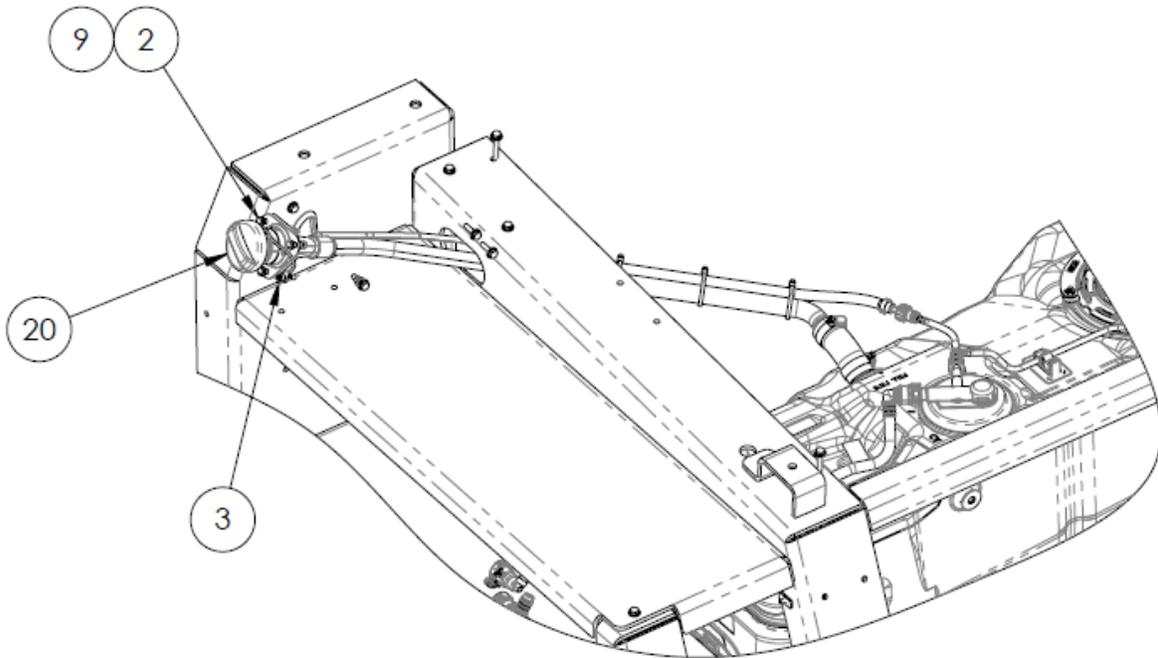
6.7 FUEL SYSTEM

NOTE: The Ford OEM fuel tank and Evap Canister are repositioned and modified for alternate hose routings and electrical connections. A stock Ford Motor Company Fuel Tank will not work as-is without some modifications to its onboard hoses and connections.

NOTE: Items marked with a squared **1** are components that are re-used from the OEM truck. Contact Eagle Tugs for assistance with identification.

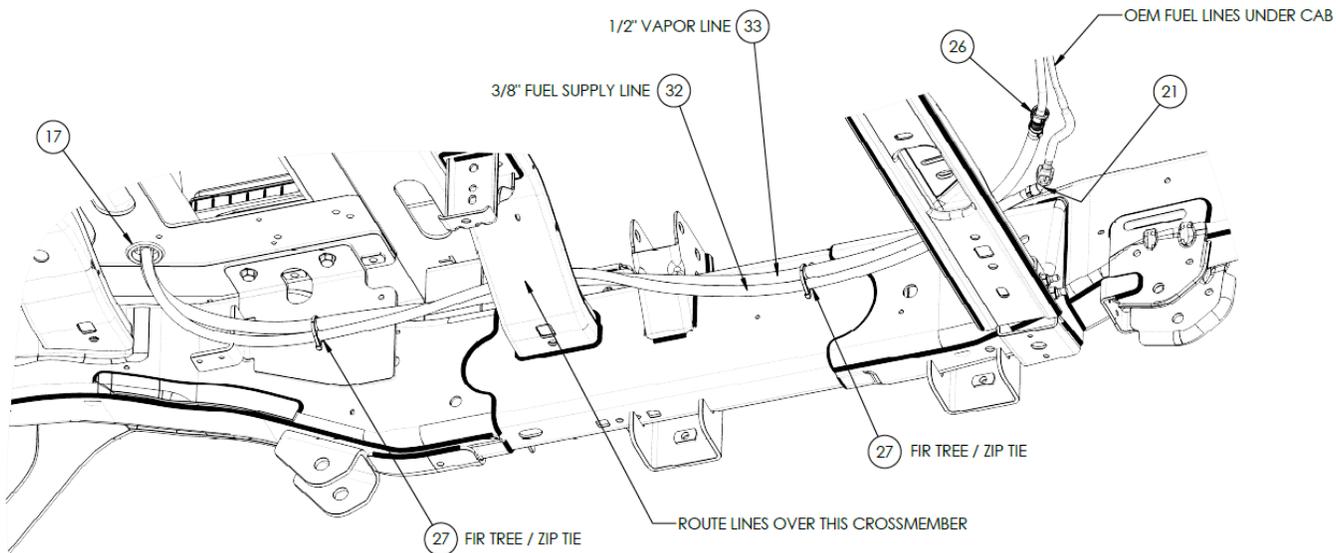
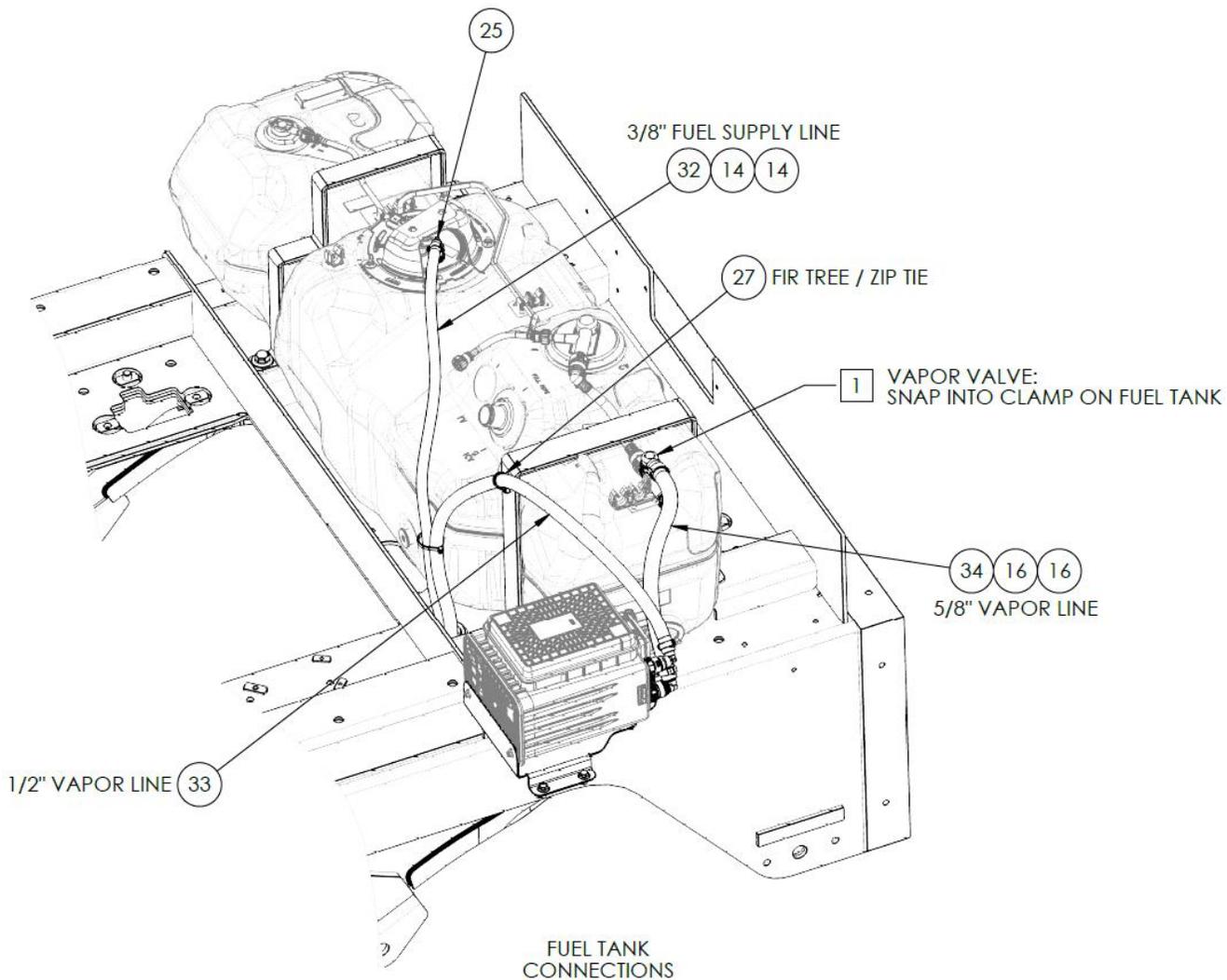


6.7 FUEL SYSTEM (continued)

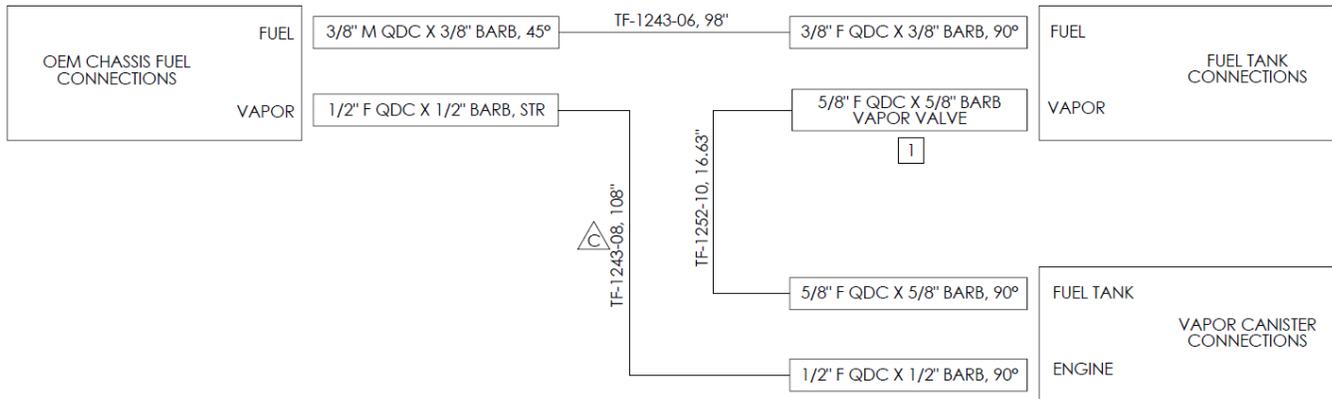


VAPOR CANISTER
CONNECTIONS

6.7 FUEL SYSTEM (continued)



6.7 FUEL SYSTEM (continued)

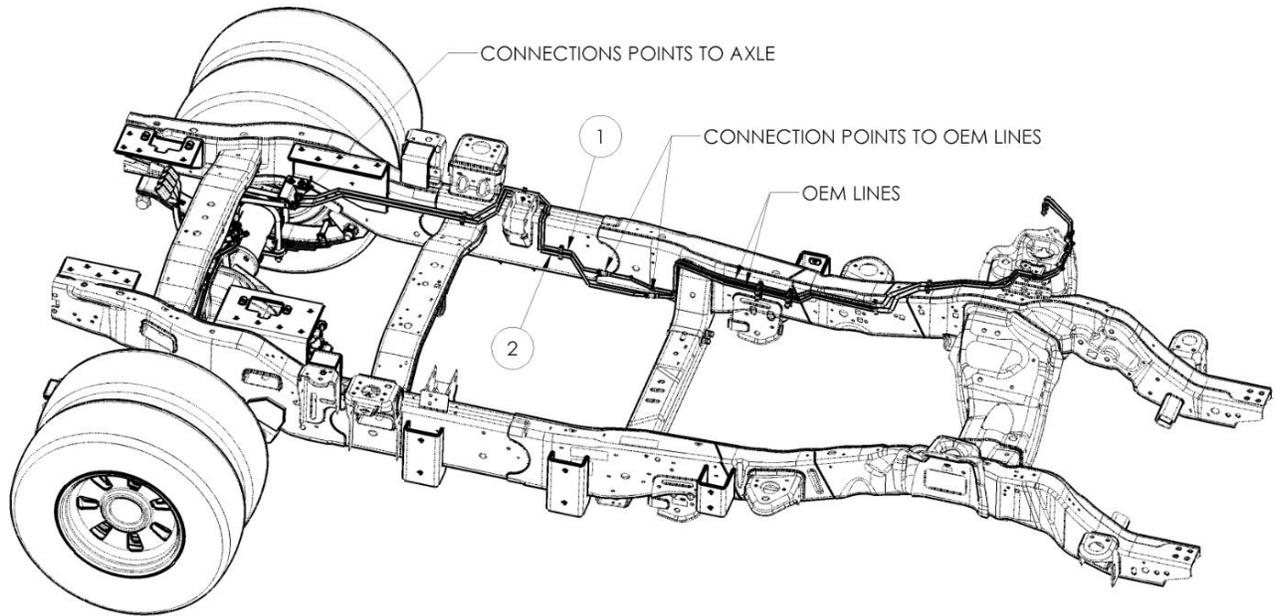


Parts List

When ordering replacement parts/kits, please specify model, serial number and color of your unit.

Item	Part Number	Description	Qty
1	G-1100-105006	BOLT, 1/4-20 X 3/4" LG HEX HD GR 5	4
2	G-1114-060020	BOLT, M6X1.0 X 20 CLASS 8.8	3
3	G-1155-105204	SCR, 5/16 DIA SOC HD SHLDR	1
4	G-1250-1050W	FLATWASHER, 1/4 WIDE	4
5	G-1250-1090W	FLATWASHER, 1/2 WIDE	4
6	G-1251-1050R	LOCKWASHER, 1/4 REGULAR	4
7	G-1251-1090R	LOCKWASHER, 1/2 REGULAR	4
8	G-1420-109010	BOLT, 1/2-13 X 1.0" HEX HD GR 8	4
9	G-1515-M60	FLATWASHER, M6	3
10	H-1204-14-40.00	TAPE, NEOPRENE FOAM SEALING 1.50 W	1
11	H-1204-20-040.6	TAPE, NEOPRENE FOAM SEALING, 2.0W	1
12	H-1426-06	CLAMP, HOSE, SAE -20	4
13	H-1516-09	CLAMP, 2-EAR HOSE	2
14	H-1516-11	CLAMP, 2-EAR HOSE	2
15	H-1516-12	CLAMP, 2-EAR HOSE	2
16	H-1516-16	CLAMP, 2-EAR HOSE	2
17	H-5095	GROMMET	1
18	H-5098	FUEL TANK ASSEMBLY, FORD OEM	1
19	H-5099	ASY, EVAP CANISTER, FORD OEM	1
20	H-5101	CAP, FUEL, FORD OEM	1
21	N-3214	QDC, FUEL 3/8 M - BARB 45°	1
22	N-3216	QDC, FUEL 1/2 F - BARB 90°	1
23	N-3233	QDC, FUEL 5/8 F - BARB 90°	1
24	N-3234	FUEL LINE ADAPTER, 5/16 M - BARB	1
25	N-3235	QDC, FUEL 3/8 F - BARB 90°	1
26	N-3236	QDC, FUEL 1/2 F - BARB STR	1
27	NVSP-24-022-CA	CABLE TIE ANCHOR STD (Ø.375 X .27 THK)	3
28	S-4392-00	HOLD DOWN, FUEL TANK (P)	1
29	S-4453-00	BRACKET, EVAP (P)	1
30	S-4499-00	HOLD DOWN, FUEL TANK (P)	1
31	TF-1243-05-21.0	HOSE, LOW PERMEABILITY FUEL Ø5/16 ID	1
32	TF-1243-06-98.0	HOSE, LOW PERMEABILITY FUEL Ø3/8 ID	1
33	TF-1243-08-108	HOSE, LOW PERMEABILITY FUEL Ø1/2 ID	1
34	TF-1252-10-16.0	HOSE, LOW PERMEABILITY FUEL Ø5/8 ID	1
35	TR-2817-00	TUBE, FUEL FILL (P)	1

6.8 BRAKE LINES



Parts List

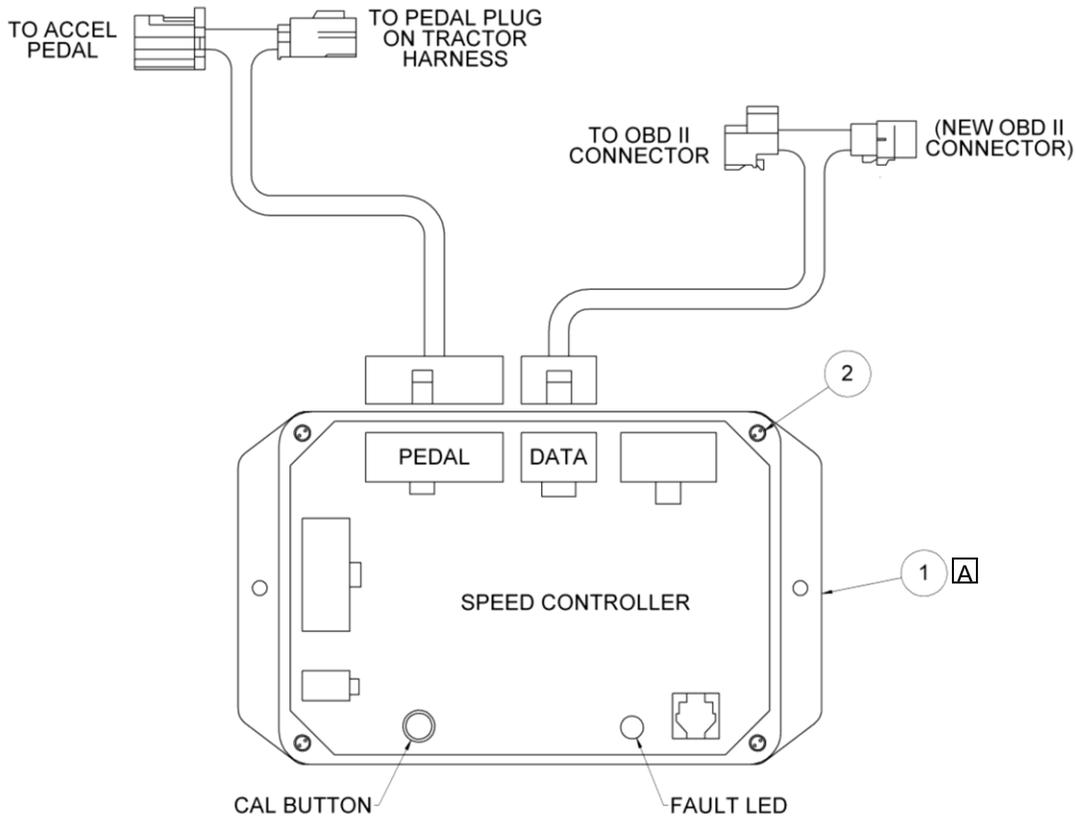
When ordering replacement parts/kits, please specify model, serial number and color of your unit.

Item	Part Number	Description	Qty
1	H-5113	BRAKE LINE, A	1
2	H-5114	BRAKE LINE, B	1

6.9 SPEED GOVERNOR,
6.9.1 Speed Governor, MY22 (& Older)

This model speed governor is intended for MY22 trucks and older. MY23 trucks use a different speed governor.

The speed governor is pre-set by Eagle for a speed of 25 mph. Other speed options are available; please contact Eagle Tugs for details.



Parts List

When ordering replacement parts/kits, please specify model, serial number and color of your unit.

Item	Part Number	Description	Qty
1	EB00-10-001-SA	SPEED GOVERNOR (MY17 TO MY22)	1
2	EB00-24-001-CA	#4 X .5 TAMPER RESISTANT SCREW	4



6.9.2 Speed Governor, MY23 (& Newer)

This model speed governor is intended for MY23 trucks and older. MY22 trucks use a different speed governor.

The speed governor is pre-set by Eagle for a speed of 25 mph. Other speed options are available; please contact Eagle Tugs for details.

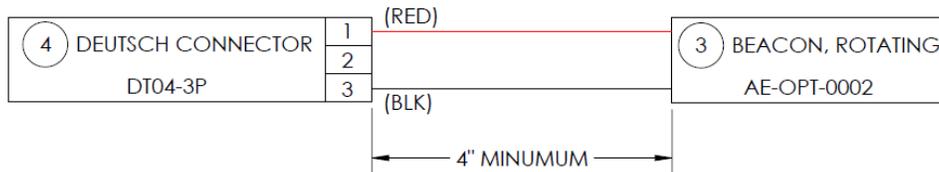
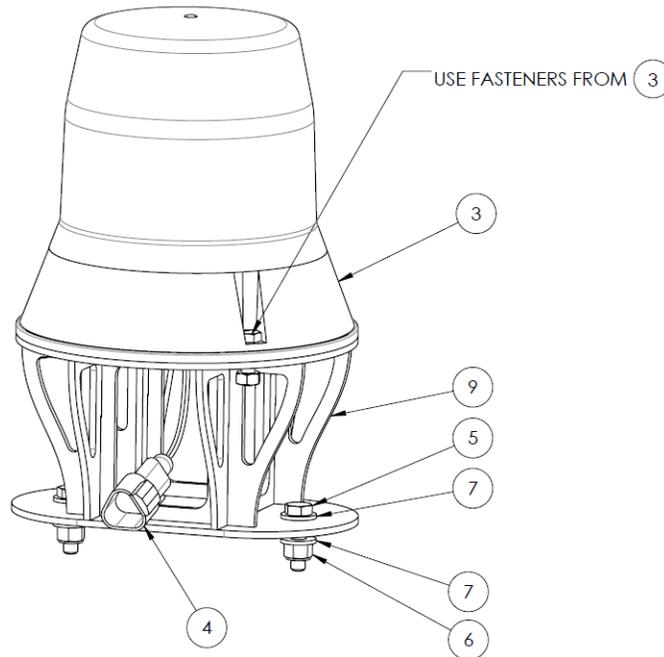
Parts List

When ordering replacement parts/kits, please specify model, serial number and color of your unit.

Item	Part Number	Description	Qty
N/S	EC-3554	ASY, SPEED GOVERNOR (≥MY23)	1

6.10 ROTATING BEACON

6.10.1 Rotating Beacon, Standard Halogen

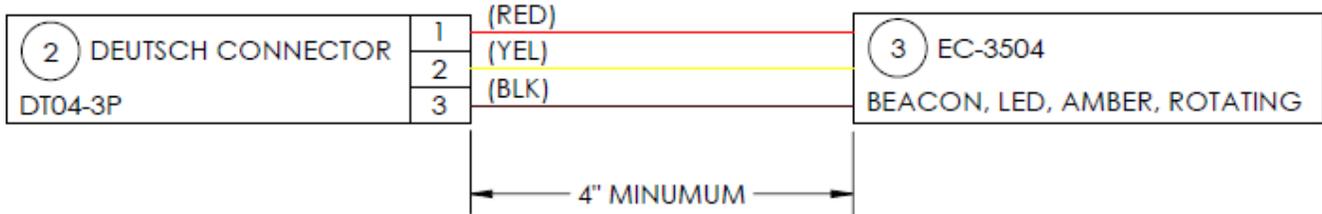
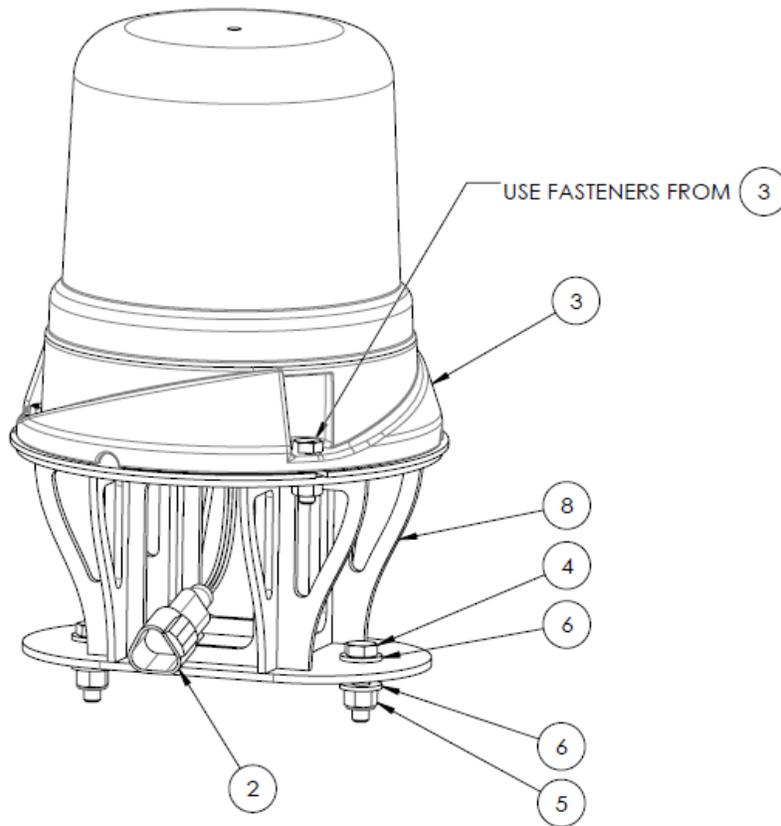


Parts List

When ordering replacement parts/kits, please specify model, serial number and color of your unit.

Item	Part Number	Description	Qty
1	0460-215-16141	DEUTSCH TERMINAL	2
2	114017	DEUTSCH EMPTY SOCKET PLUG	1
3	AE-OPT-0002	BEACON, ROTATING	1
4	DT04-3P	DEUTSCH CONNECTOR	1
5	G-1100-105010	BOLT, 1/4-20 X 1.0" LG HEX HD GR 5	2
6	G-1202-1050	STOPNUT, 1/4-20 ELASTIC	2
7	G-1250-1050N	FLATWASHER, 1/4 NARROW	4
8	W3P	DEUTSCH LOCK	1
9	Z-11999-00	WLD, BEACON MOUNT (P)	1
N/S	K-5662	BEACON, PRE-WIRED	1

6.10.2 ROTATING BEACON, OPTIONAL LED



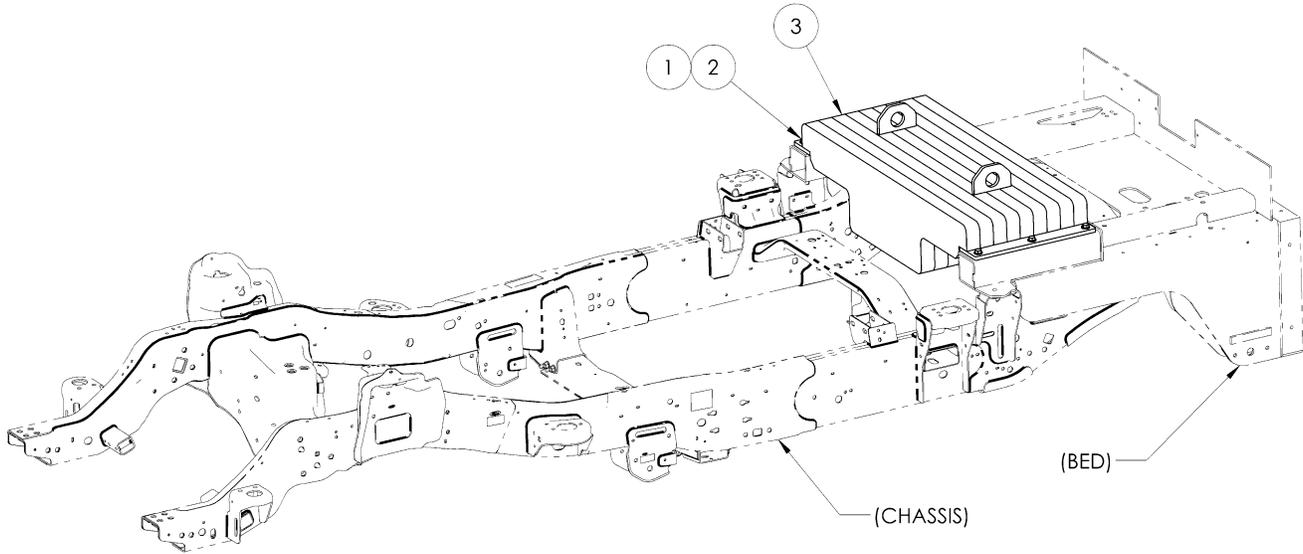
Parts List

When ordering replacement parts/kits, please specify model, serial number and color of your unit.

Item	Part Number	Description	Qty
1	0460-215-16141	DEUTSCH TERMINAL	3
2	DT04-3P	DEUTSCH CONNECTOR	1
3	EC-3504	BEACON, LED, AMBER, ROTATING	1
4	G-1100-105010	BOLT, 1/4-20 X 1.0" LG HEX HD GR 5	2
5	G-1202-1050	STOPNUT, 1/4-20 ELASTIC	2
6	G-1250-1050N	FLATWASHER, 1/4 NARROW	4
7	W3P	DEUTSCH LOCK	1
8	Z-11999-00	WLD, BEACON MOUNT (P)	1
N/S	K-5661	LED BEACON, PRE-WIRED	1

- 6.11 BALLAST
- 6.11.1 EB3-5G Ballast

NOTE: Ballast should not be removed from the truck. Removal off ballast will result in poor performance and possible instability.



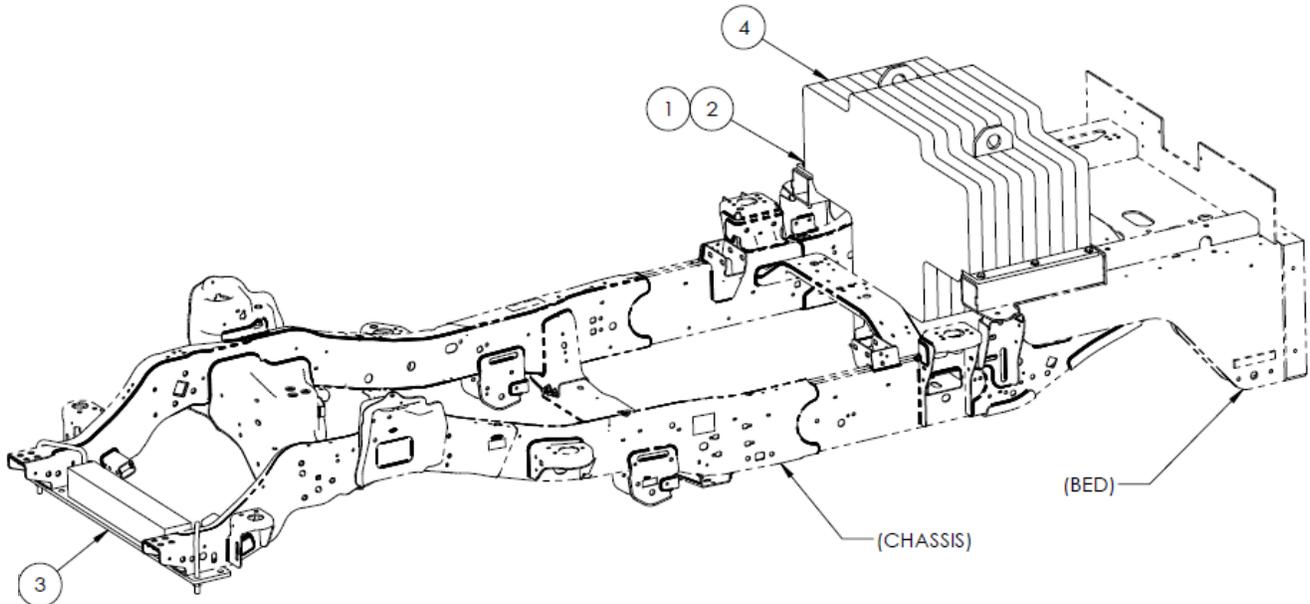
Parts List

When ordering replacement parts/kits, please specify model, serial number and color of your unit.

Item	Part Number	Description	Qty
1	G-1250-1090N	FLATWASHER, 1/2 NARROW	6
2	G-1420-109012	BOLT, 1/2-13 X 1-1/4" HEX HD GR 8	6
3	J-8709-00	REAR BALLAST, -5G	1

6.11.2 EB3-7G Ballast

NOTE: Ballast should not be removed from the truck. Removal off ballast will result in poor performance and possible instability.

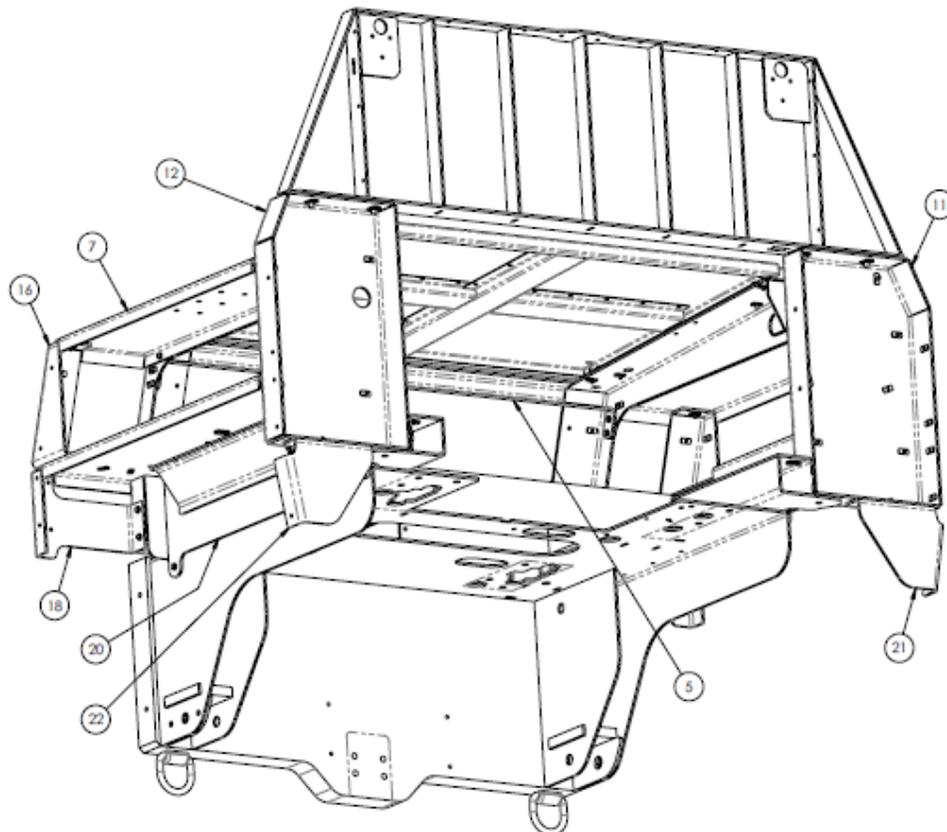
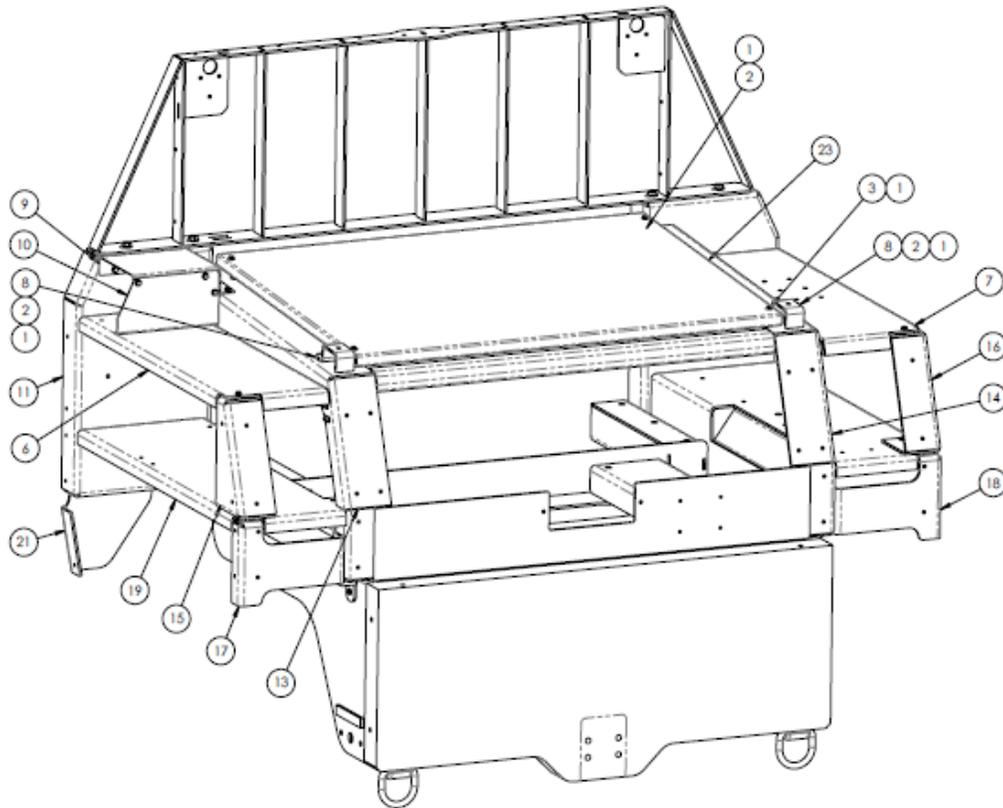


Parts List

When ordering replacement parts/kits, please specify model, serial number and color of your unit.

Item	Part Number	Description	Qty
1	G-1250-1090N	FLATWASHER, 1/2 NARROW	6
2	G-1420-109012	BOLT, 1/2-13 X 1-1/4" HEX HD GR 8	6
3	Z-11950	ASY, FRONT BALLAST	1
4	J-8641-00	REAR BALLAST, -7G	1

6.12 CAP
6.12.1 EB3-5G Cap





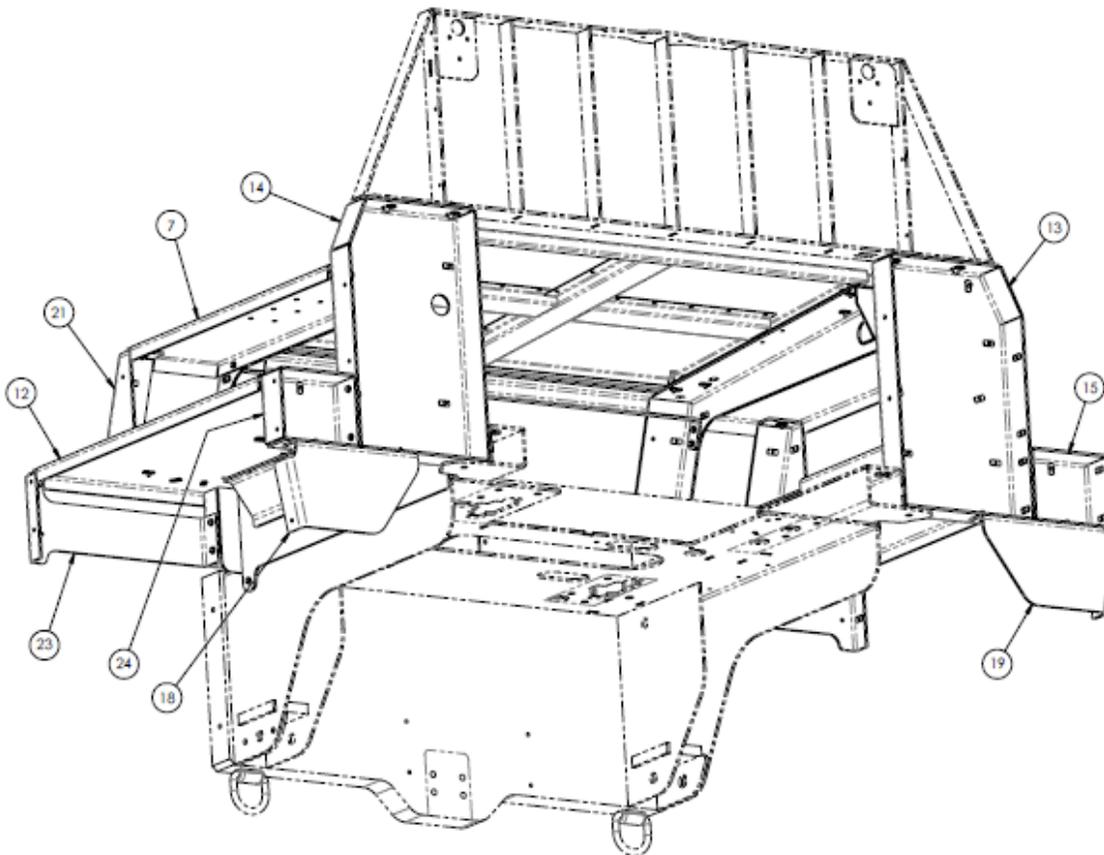
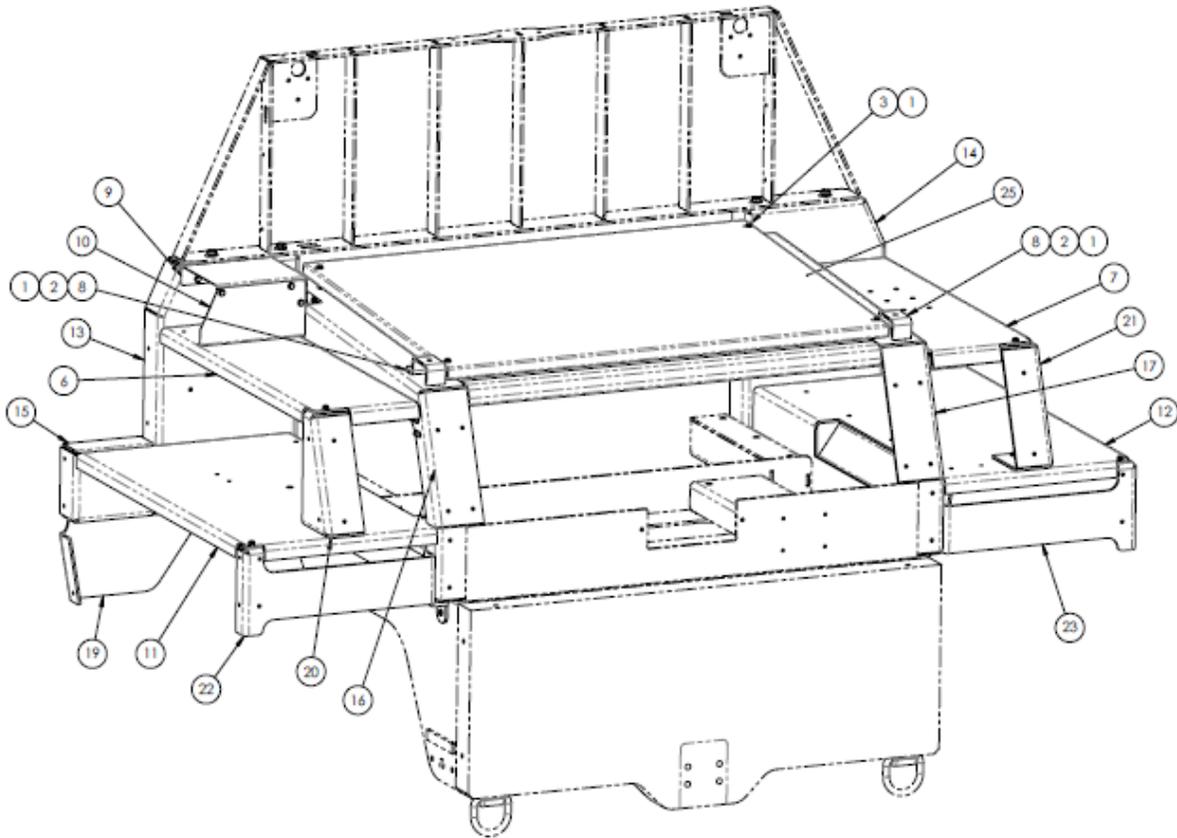
6.12.1 EB3-5G Cap (continued)

Parts List

When ordering replacement parts/kits, please specify model, serial number and color of your unit.

Item	Part Number	Description	Qty
1	G-1250-1050N	FLATWASHER, 1/4 NARROW	45
2	G-1100-105010	BOLT, 1/4-20 X 1.0" LG HEX HD GR 5	41
3	G-1420-105022	BOLT, 1/4-20 X 2-1/4" HEX HD GR 8	4
4	G-1439-1050-SS	NUTSERT, THIN WALL 1/4-20	3
5	J-8442-00	CROSS RIB	1
6	J-8445-00	SHELF, LH (P)	1
7	J-8446-00	SHELF, RH (P)	1
8	J-8466-00	FLOOD LIGHT MOUNT (WP)	2
9	S-4449-00	FILLER COVER, TOP (WP)	1
10	S-4450-00	FILLER COVER, SIDE (WP)	1
11	Z-12050-00	WLD, FRONT POST, LH (WP)	1
12	Z-12051-00	WLD, FRONT POST, RH (WP)	1
13	Z-12053-00	WLD, MAIN RIB, LH (WP)	1
14	Z-12054-00	WLD, MAIN RIB, RH (WP)	1
15	Z-12057-00	WLD, SHELF POST, LH (WP)	1
16	Z-12058-00	WLD, SHELF BRACKET, RH (WP)	1
17	Z-12126-00	WLD, REAR GUSSET, LH (WP)	1
18	Z-12127-00	WLD, REAR GUSSET, RH (WP)	1
19	Z-12128-00	WLD, WHEEL WELL, LH (WP)	1
20	Z-12129-00	WLD, WHEEL WELL, RH (WP)	1
21	Z-12142-00	WLD, MUD GUSSET, LH (WP)	1
22	Z-12143-00	WLD, MUD GUSSET, RH (WP)	1
23	Z-12256	ASY, ACCESS PANEL	1

6.12.2 EB3-7G Cap





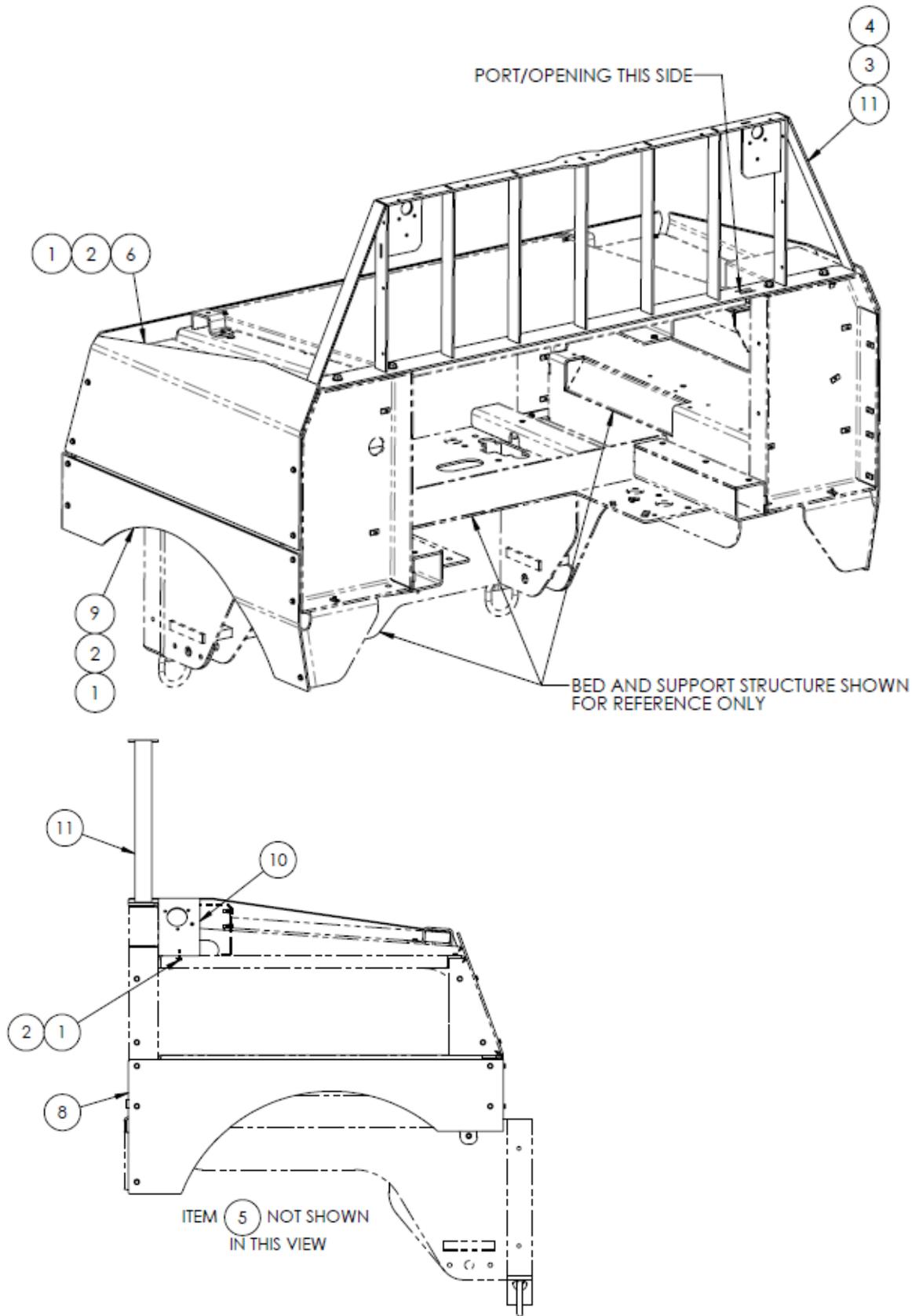
6.12.2 EB3-7G Cap (continued)

Parts List

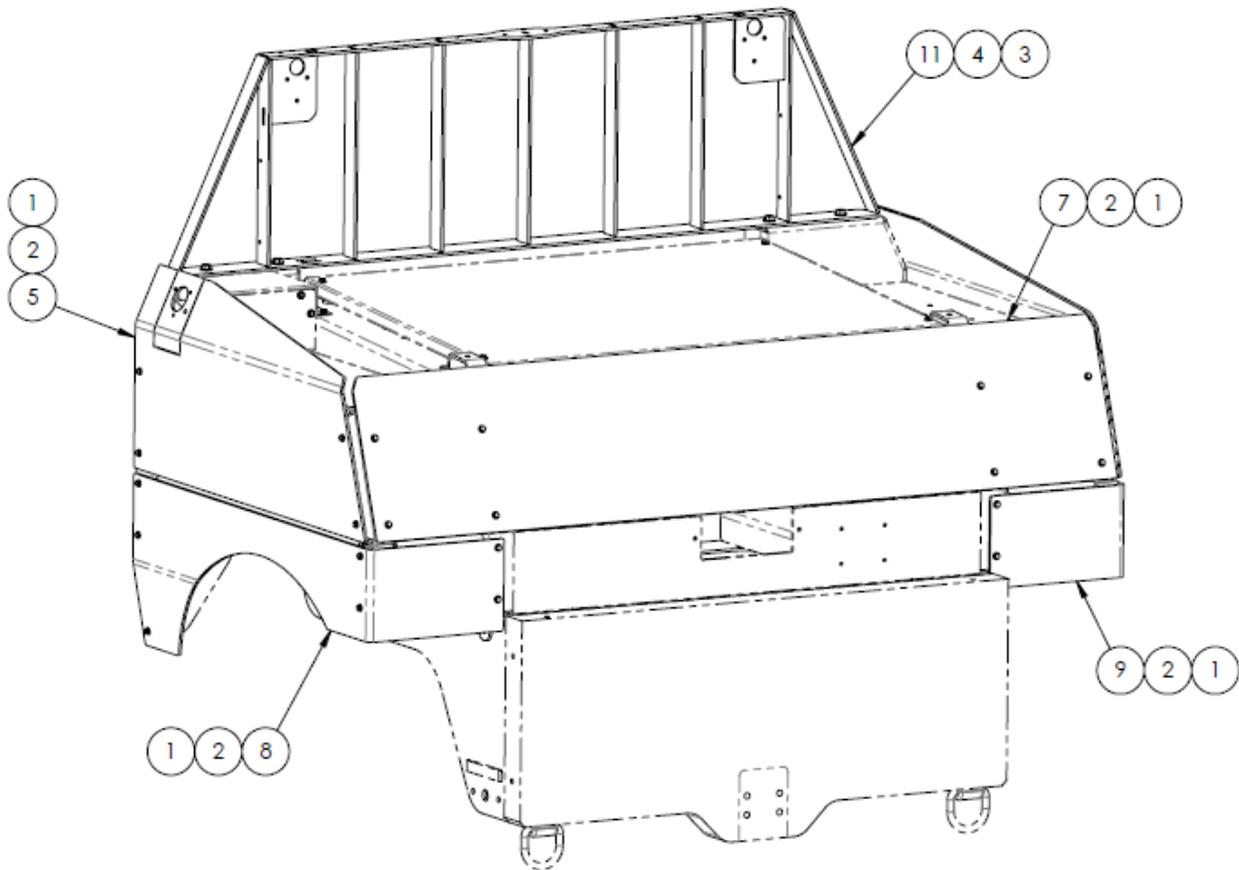
When ordering replacement parts/kits, please specify model, serial number and color of your unit.

Item	Part Number	Description	Qty
1	G-1250-1050N	FLATWASHER, 1/4 NARROW	50
2	G-1100-105010	BOLT, 1/4-20 X 1.0" LG HEX HD GR 5	46
3	G-1100-105022	BOLT, 1/4-20 X 2-1/4" LG HEX HD GR 5	4
4	G-1439-1050-SS	NUTSERT, THIN WALL 1/4-20	3
5	J-8442-00	CROSS RIB	1
6	J-8445-00	SHELF, LH (P)	1
7	J-8446-00	SHELF, RH (P)	1
8	J-8466-00	FLOOD LIGHT MOUNT (WP)	2
9	S-4449-00	FILLER COVER, TOP (WP)	1
10	S-4450-00	FILLER COVER, SIDE (WP)	1
11	Z-12039-00	WLD, WHEEL WELL, LH (WP)	1
12	Z-12040-00	WLD, WHEEL WELL, RH (WP)	1
13	Z-12050-00	WLD, FRONT POST, LH (WP)	1
14	Z-12051-00	WLD, FRONT POST, RH (WP)	1
15	Z-12052-00	WLD, DRW KICK-OUT, LH (WP)	1
16	Z-12053-00	WLD, MAIN RIB, LH (WP)	1
17	Z-12054-00	WLD, MAIN RIB, RH (WP)	1
18	Z-12055-00	WLD, MUD GUSSET, RH (WP)	1
19	Z-12056-00	WLD, MUD GUSSET, LH (WP)	1
20	Z-12057-00	WLD, SHELF POST, LH (WP)	1
21	Z-12058-00	WLD, SHELF BRACKET, RH (WP)	1
22	Z-12059-00	WLD, REAR GUSSET, LH (WP)	1
23	Z-12060-00	WLD, REAR GUSSET, RH (WP)	1
24	Z-12061-00	WLD, DRW KICK-OUT, RH (WP)	1
25	Z-12256	ASY, ACCESS PANEL	1

6.13 OUTER PANELS
6.13.1 EB3-5G Outer Panels



6.13.1 EB3-5G Outer Panels (continued)

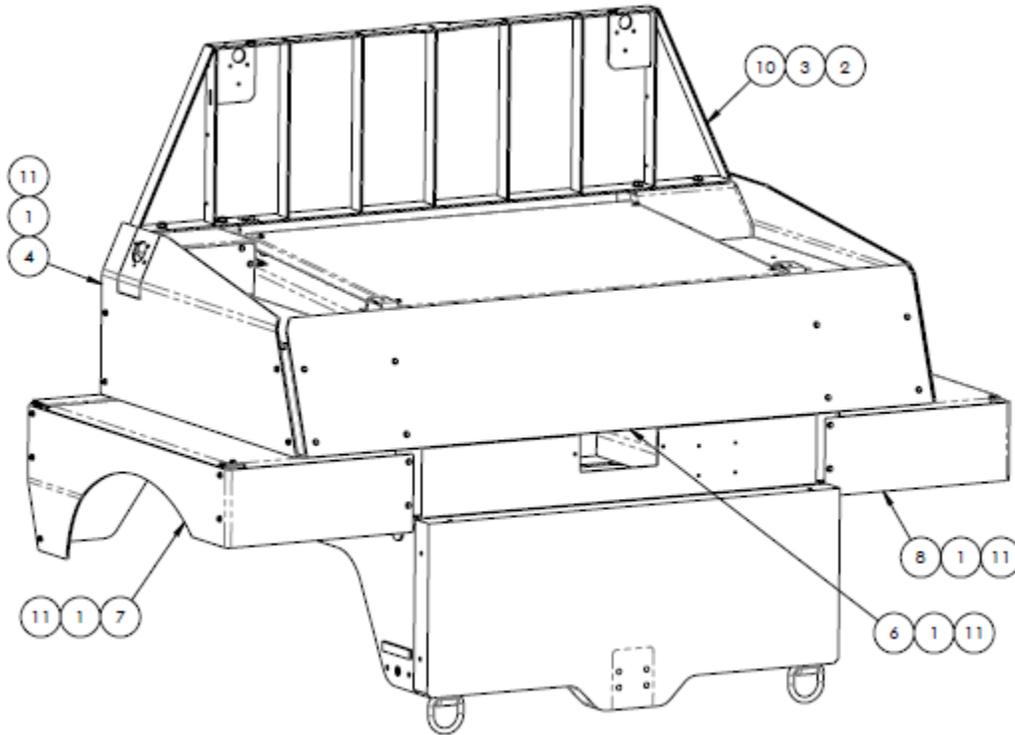


Parts List

When ordering replacement parts/kits, please specify model, serial number and color of your unit.

Item	Part Number	Description	Qty
1	G-1100-105010	BOLT, 1/4-20 X 1.0" LG HEX HD GR 5	32
2	G-1250-1050N	FLATWASHER, 1/4 NARROW	32
3	G-1250-1090N	FLATWASHER, 1/2 NARROW	4
4	G-1420-109012	BOLT, 1/2-13 X 1-1/4" HEX HD GR 8	4
5	J-8461-00	SIDE PANEL, UPPER, LH (WP)	1
6	J-8462-00	SIDE PANEL, UPPER, RH (WP)	1
7	J-8650-00	PANEL, REAR CENTER (WP)	1
8	J-8700-00	SIDE REAR PANEL, LOWER, LH (WP)	1
9	J-8701-00	SIDE REAR PANEL, LOWER, RH (WP)	1
10	Z-12048-00	WLD, FILL BRACKET (WP)	1
11	Z-12258-00	WLD, HEADACHE RACK (WP)	1

6.13.2 EB3-7G Outer Panels



Parts List

When ordering replacement parts/kits, please specify model, serial number and color of your unit.

Item	Part Number	Description	Qty
1	G-1250-1050N	FLATWASHER, 1/4 NARROW	32
2	G-1250-1090N	FLATWASHER, 1/2 NARROW	4
3	G-1420-109012	BOLT, 1/2-13 X 1-1/4" HEX HD GR 8	4
4	J-8461-00	SIDE PANEL, UPPER, LH (WP)	1
5	J-8462-00	SIDE PANEL, UPPER, RH (WP)	1
6	J-8650-00	PANEL, REAR CENTER (WP)	1
7	J-8651-00	SIDE PANEL, LOWER, LH (WP)	1
8	J-8654-00	SIDE PANEL, LOWER, RH (WP)	1
9	Z-12048-00	WLD, FILL BRACKET (WP)	1
10	Z-12258-00	WLD, HEADACHE RACK (WP)	1
11	G-1100-105010	BOLT, 1/4-20 X 1.0" LG HEX HD GR 5	32

6.14 UPFITTER SWITCHES

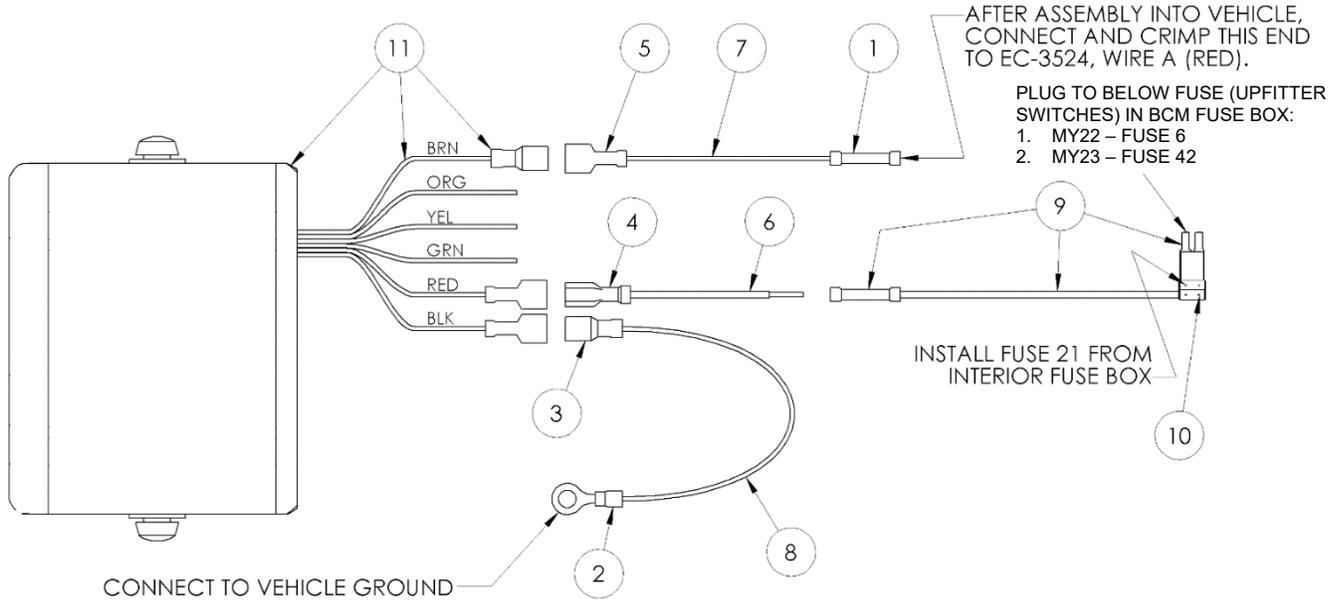
Some trucks do not have Ford factory installed upfitter switches, also known as overhead console switches.

Switch 1 on the OEM switches, which is the switch that is closest to the driver, is used to control the rear spotlights.

The rotating beacon runs automatically when the truck is started or in accessory power mode.

For trucks that do not have factory installed switches, a kit is installed with a 4-gang switch box that is secured to the top of the dashboard.

This gang of 4 switches is limited to 5 Amp total. The 2 rear spotlights are controlled from switch A (farthest to the left, closest to the driver), and consume up to 1.5 Amp each, or 3 Amp total.



Parts List

When ordering replacement parts/kits, please specify model, serial number and color of your unit.

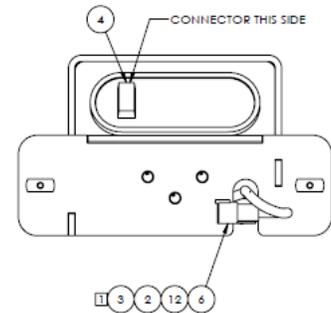
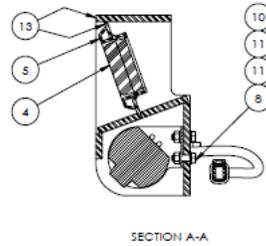
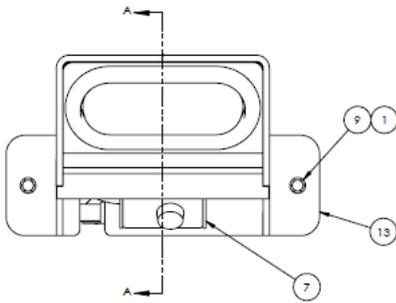
Item	Part Number	Description	Qty
1	EC-1178-01	BUTT CONN, INSULATED, 18-22 AWG	1
2	EC-1180-10	TERMINAL, RING RED 1/4	1
3	EC-1326-01	DISCONNECT, FEMALE RED 1/4 F/I	1
4	EC-1326-03	DISCONNECT, .250 X .032 FEMALE, 10 AWG	1
5	EC-1327-01	DISCONNECT, MALE RED 1/4	1
6	EC-3299-12-RED	WIRE, TXL	120
7	EC-3299-18-BRN	WIRE, TXL	120
8	EC-3299-20-BLK	WIRE, TXL	120
9	EC-3567	FUSE TAP, MICRO 2	1
10	EC-3569-5	FUSE, MICRO 2, 5A	1
11	Z-12177	SWITCH BOX SUB-ASSEMBLY	1

6.15 BACKUP CAMERA ASSEMBLY

The backup camera assembly includes a Ford OEM backup camera and a spotlight inside a protective housing.

The Ford OEM camera is connectorized to interface with the wire harness and display on the built-in screen on the dashboard.

The reverse lamp in this assembly turns on automatically when the vehicle is shifted in to reverse. It is not independently controllable.



Parts List

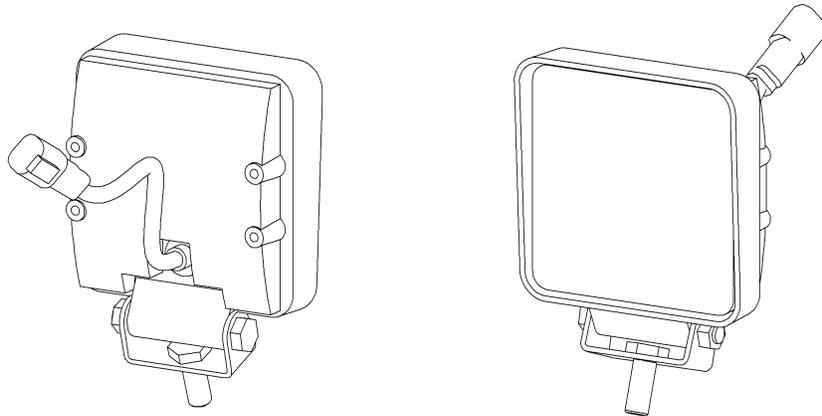
When ordering replacement parts/kits, please specify model, serial number and color of your unit.

Item	Part Number	Description	Qty
1	G-1100-105010	BOLT, 1/4-20 X 1.0" LG HEX HD GR 5	2
2	0413-204-2005	EMPTY SOCKET PLUG	1
3	0460-202-20141	DEUTSCH TERMINAL	5
4	A-ES12-0494	REVERSE LAMP	1
5	A-RTT12E-00287	TAIL LIGHT GROMMET	1
6	DTM04-6P	DEUTSCH CONNECTOR	1
7	EC-3511	FORD BACKUP CAMERA KIT	1
8	G-1114-060020	BOLT, M6X1.0 X 20 CLASS 8.8	3
9	G-1250-1050N	FLATWASHER, 1/4 NARROW	2
10	G-1470-M6-1.0	ESN, N6-1.0	3
11	G-1515-M60	FLATWASHER, M6	6
12	WM-6P	DEUTSCH CONNECTOR LOCK	1
13	Z-12506-00	WLD, CAMERA BRACKET (WP)	1

6.16 REAR SPOTLIGHTS

Rear spotlights, at the rear of the vehicle, are pre-wired for ease of replacement.

On/off control is via the overhead console switch closest to the drive or the upfitter switch kit, switch A.



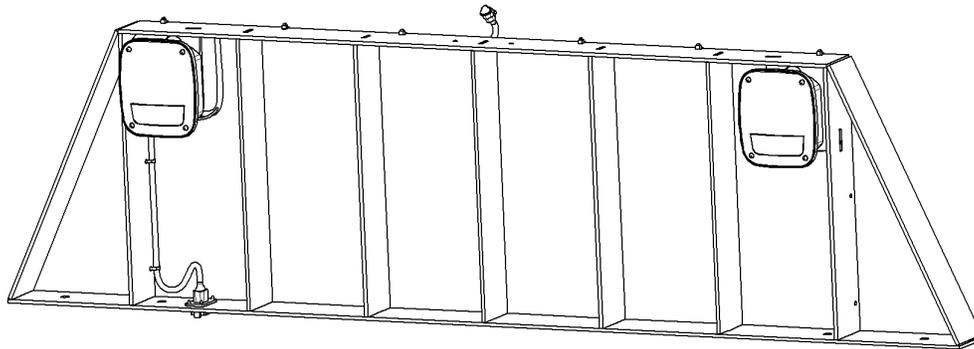
Parts List

When ordering replacement parts/kits, please specify model, serial number and color of your unit.

Item	Part Number	Description	Qty
1	Z-9825	REAR SPOTLIGHT	2

6.17 BRAKE & REVERSE LIGHTS

The combination brake and reverse lights attach to the top of the headache rack and are pre-wired for ease of installation.



Parts List

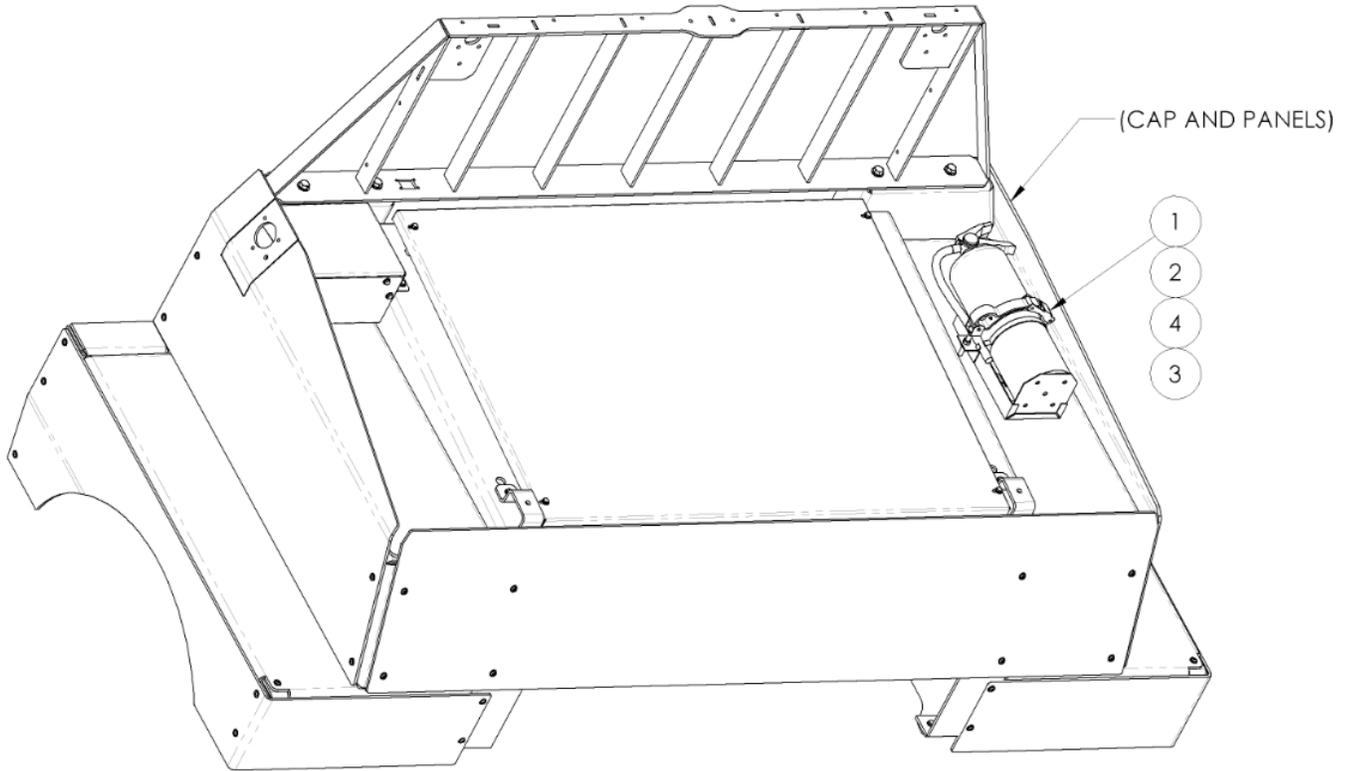
When ordering replacement parts/kits, please specify model, serial number and color of your unit.

Item	Part Number	Description	Qty
N/A	Z-12078	TAILLIGHT WITH CONNECTOR	2

6.18 OPTION, FIRE EXTINGUISHER - 10 LB ABC OR BC

This option places a 10 lbs. capacity ABC or BC fire extinguisher on the tractor. This option includes the bracket.

NOTE: Fire extinguishers cannot be shipped separately from a tractor due to hazardous material shipping regulations



Parts List

When ordering replacement parts/kits, please specify model, serial number and color of your unit.

Item	Part Number	Description	Qty
1	H-5436	FIRE EXTINGUISHER, 10 LB ABC	1
	NVSP-14-053-CA	FIRE EXTINGUISHER, 10 LB BC	
2	G-1100-107010	BOLT, 3/8-16 X 1.0" HEX HD GR 5	4
3	G-1202-1070	STOPNUT, 3/8-16 ELASTIC	4
4	G-1250-1070N	FLATWASHER, 3/8 NARROW	8
N/S	H-5437	FIRE EXT BRACKET	1



6.19 OPTION, SPARE TIRE

This option adds a single spare OEM specification tire on a rim/wheel, mounted, inflated, and balanced.

NOTE: This option is to be used as a spare tire and not intended as a replacement.

NOTE: Spare tire does not include tire pressure sensors.

NOTE: The rim/wheel may or may not match the OEM specification.

NOTE: EB3-7G does not contain a spare tire storage location.

Parts List

When ordering replacement parts/kits, please specify model, serial number and color of your unit.

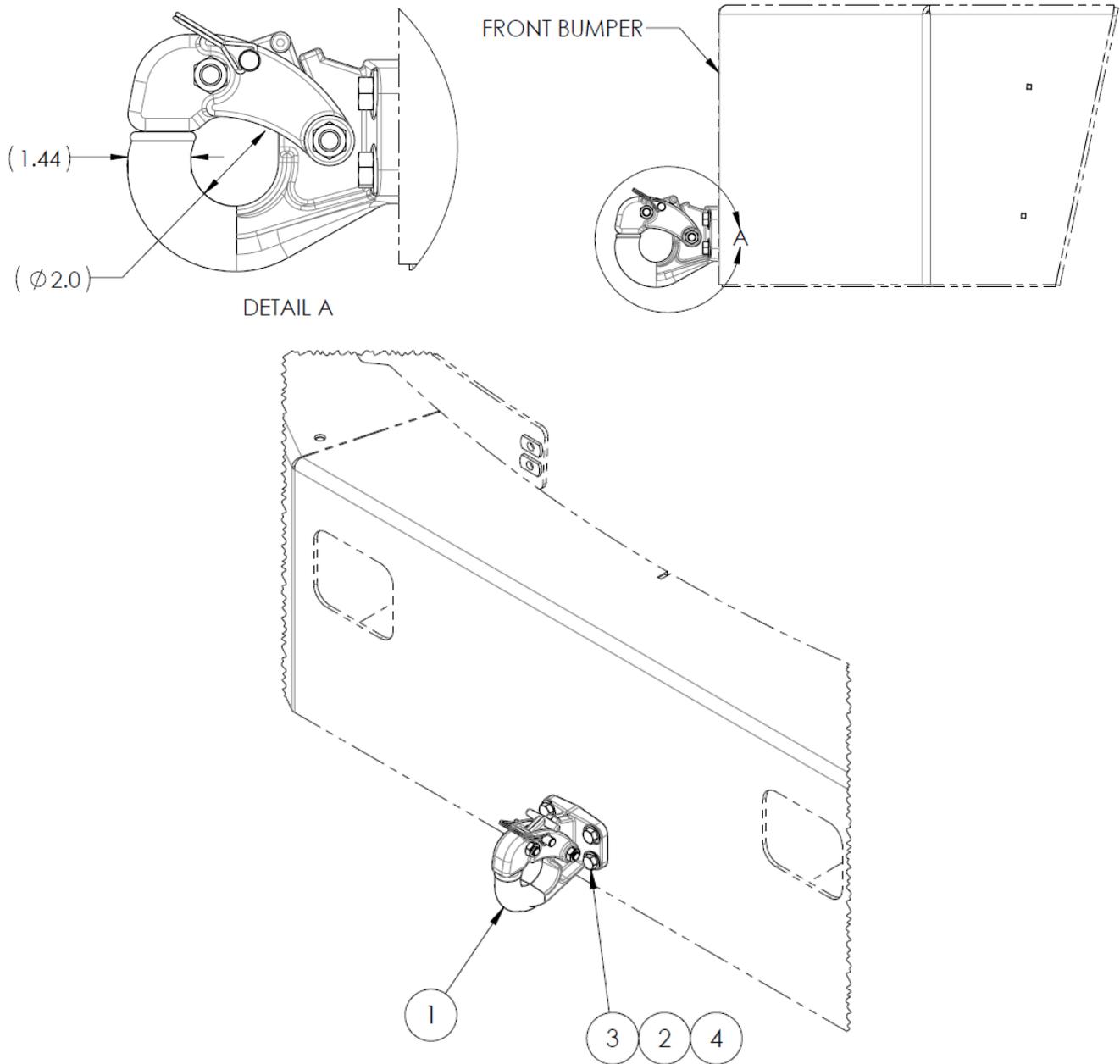
Item	Part Number	Description	Qty
N/S	U-1232	SPARE TIRE & WHEEL, MY23 DRW 4x2	A/N

6.20 FRONT HITCH

6.20.1 Option, Front Pintle Hitch

This option adds a pintle hitch to the front bumper.

NOTE: Front Hitch is rated for 2,000 lbs maximum draw bar pull, which differs from the overall truck drawbar pull rating.



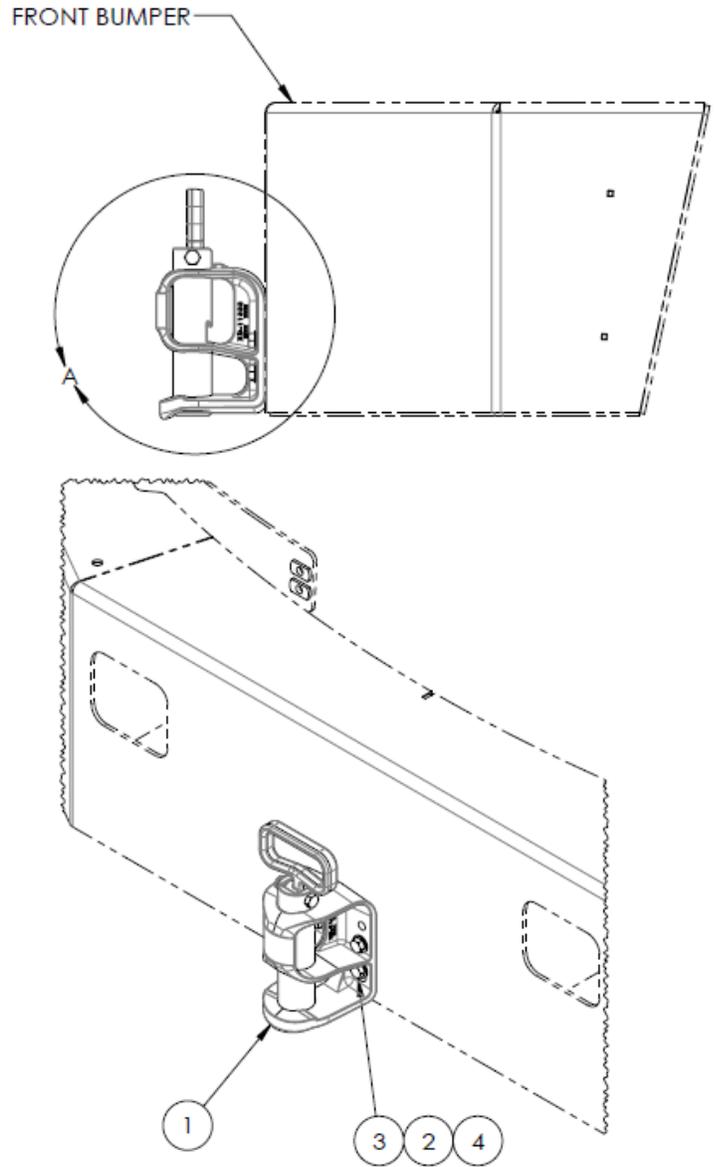
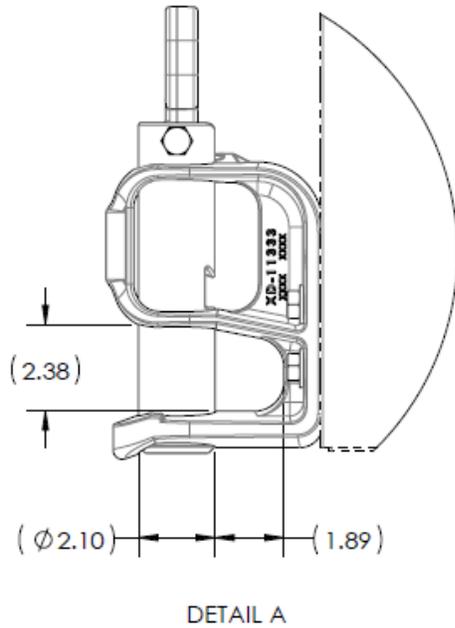
Parts List

When ordering replacement parts/kits, please specify model, serial number and color of your unit.

Item	Part Number	Description	Qty
1	AE-OPT-0028	PINTLE HOOK	1
2	G-1250-1090N	FLATWASHER, 1/2 NARROW	8
3	G-1420-109022	BOLT, 1/2-13 X 2-1/4 HEX HD GR 8	4
4	G-1727-1090	NUT, 1/2-13 TOP LOCK ZINC	4

6.20.2 Option, Front "E" Hitch, 2-1/8" Non-Locking
This option adds an "E" hitch to the front with a 2-1/8" diameter pin

NOTE: Front Hitch is rated for 2,000 lbs maximum draw bar pull, which differs from the overall truck drawbar pull rating.



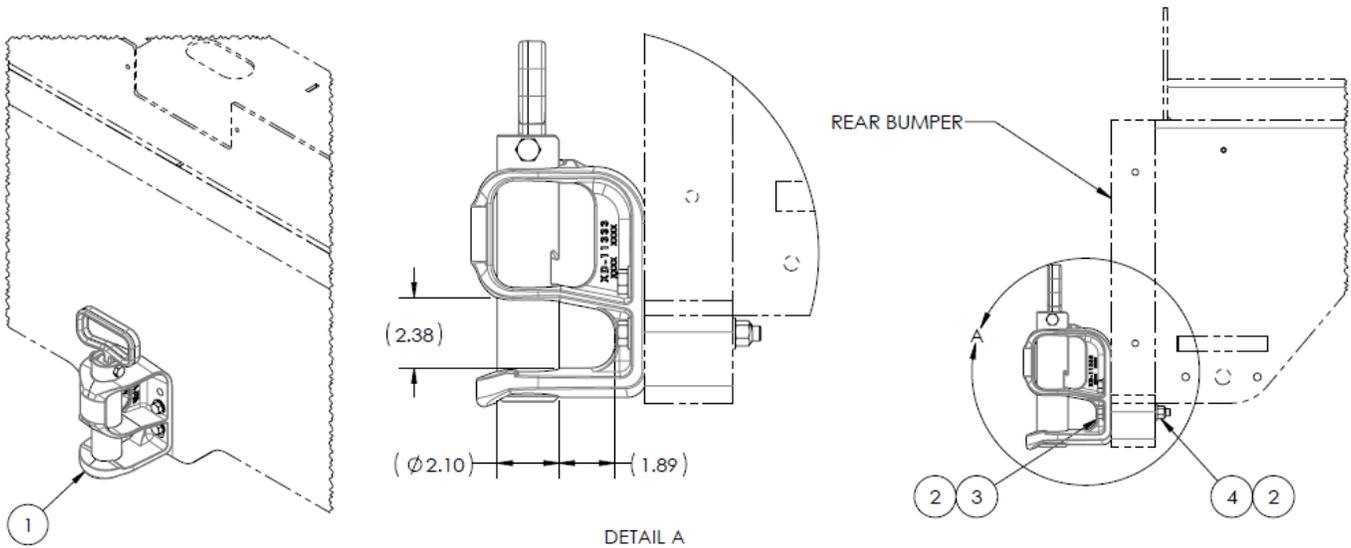
Parts List

When ordering replacement parts/kits, please specify model, serial number and color of your unit.

Item	Part Number	Description	Qty
1	AE-OPT-0033-1	E HITCH 2 1/8" PIN YELLOW	1
2	G-1250-1090N	FLATWASHER, 1/2 NARROW	8
3	G-1420-109022	BOLT, 1/2-13 X 2-1/4 H.H. GR 8	4
4	G-1727-1090	NUT, 1/2-13 TOP LOCK ZINC	4

- 6.21 REAR HITCH
- 6.21.1 Option, Rear "E" Hitch, 2-1/8" Non-Locking

NOTE: Rear Hitch capacity corresponds to the draw bar pull rating for the tug.



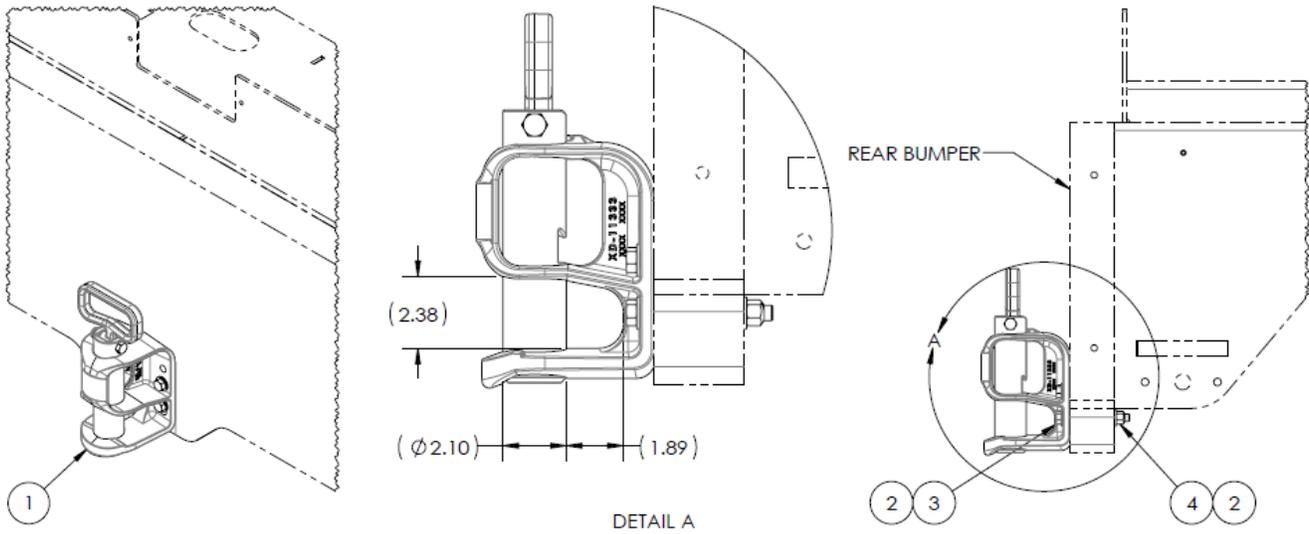
Parts List

When ordering replacement parts/kits, please specify model, serial number and color of your unit.

Item	Part Number	Description	Qty
1	AE-OPT-0033-1	E HITCH 2 1/8" PIN YELLOW	1
2	G-1250-1090N	FLATWASHER, 1/2 NARROW	8
3	G-1420-109044	BOLT, 1/2-13 HEX HD GR 8	4
4	G-1727-1090	NUT, 1/2-13 TOP LOCK ZINC	4

6.21.2 Option, Rear "E" Hitch, 2-1/8" Locking

NOTE: Rear Hitch capacity corresponds to the draw bar pull rating for the tug.



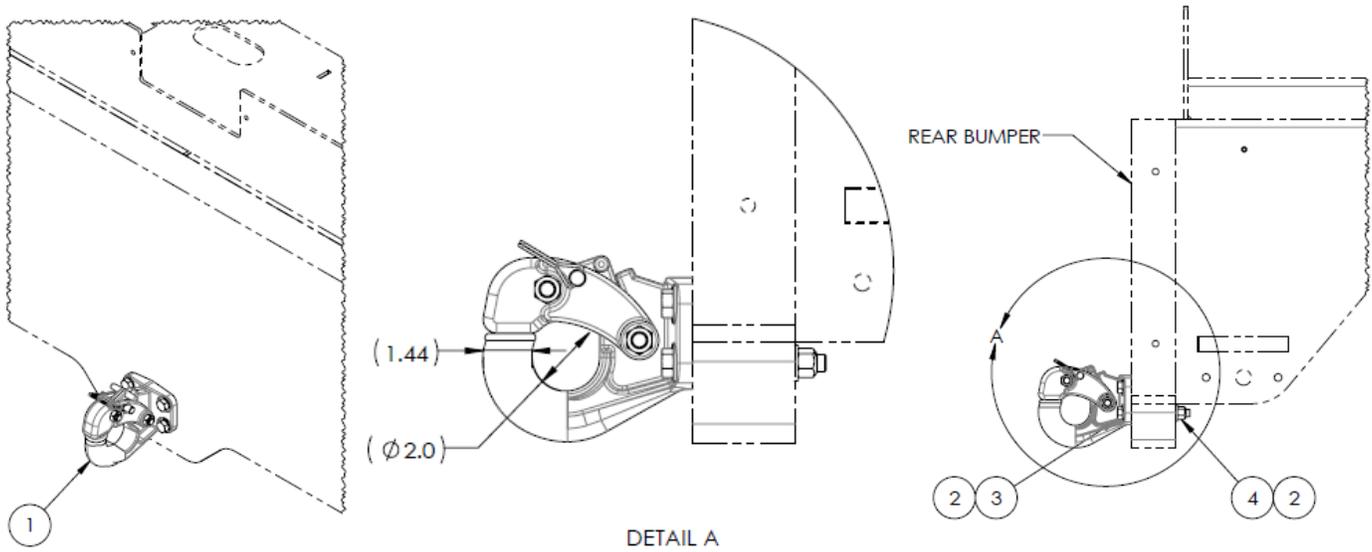
Parts List

When ordering replacement parts/kits, please specify model, serial number and color of your unit.

Item	Part Number	Description	Qty
1	OPT-NVSP-034-A	E HITCH 2 1/8" PIN WITH AUTOLOCK	1
2	G-1250-1090N	FLATWASHER, 1/2 NARROW	8
3	G-1420-109044	BOLT, 1/2-13 HEX HD GR 8	4
4	G-1727-1090	NUT, 1/2-13 TOP LOCK ZINC	4

6.21.3 Option, Rear Pintle Hitch

NOTE: Rear Hitch capacity corresponds to the draw bar pull rating for the tug.



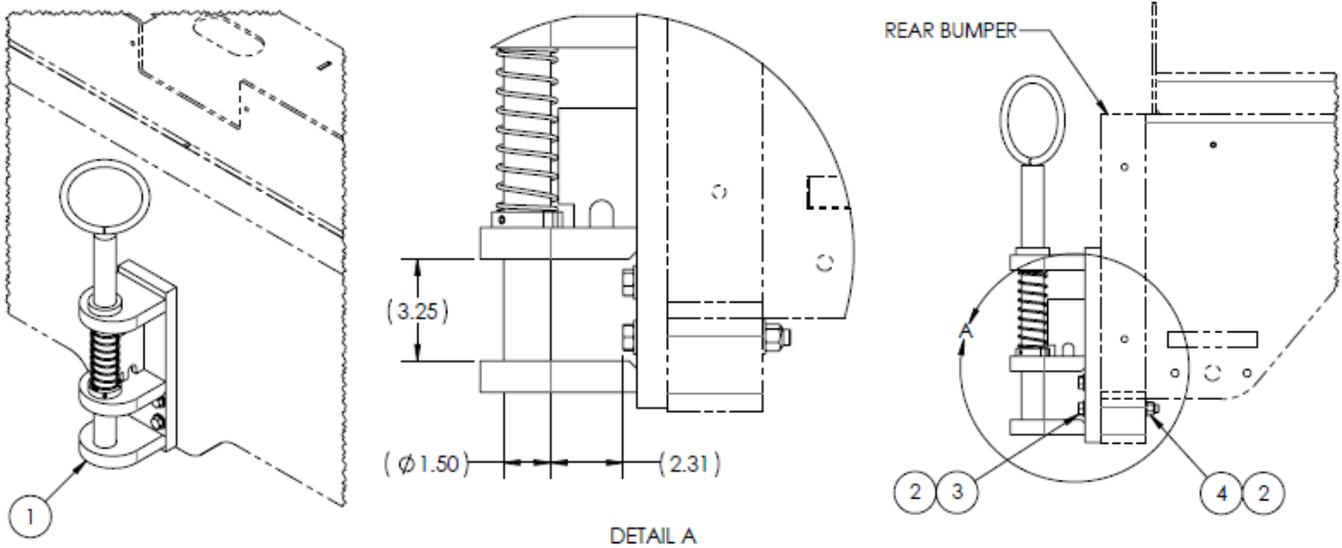
Parts List

When ordering replacement parts/kits, please specify model, serial number and color of your unit.

Item	Part Number	Description	Qty
1	AE-OPT-0028	PINTLE HOOK	1
2	G-1250-1090N	FLATWASHER, 1/2 NARROW	8
3	G-1420-109044	BOLT, 1/2-13 HEX HD GR 8	4
4	G-1727-1090	NUT, 1/2-13 TOP LOCK ZINC	4

6.21.4 Option, Rear Hitch Assembly, 1.5"

NOTE: Rear Hitch capacity corresponds to the draw bar pull rating for the tug.



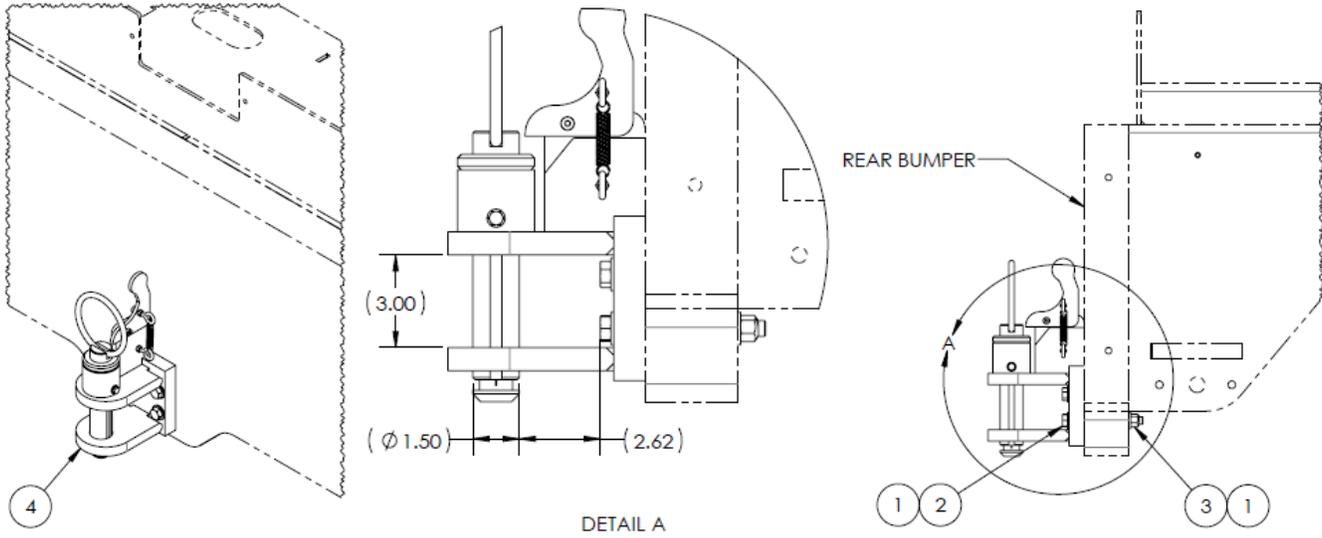
Parts List

When ordering replacement parts/kits, please specify model, serial number and color of your unit.

Item	Part Number	Description	Qty
1	AE-OPT-0033	E-HITCH, Ø1 1/2" PIN	1
2	G-1250-1090N	FLATWASHER, 1/2 NARROW	8
3	G-1420-109050	BOLT, 1/2-13 X 5.0" HEX HD GR 8	4
4	G-1727-1090	NUT, 1/2-13 TOP LOCK ZINC	4

6.21.5 Option, Rear Single Hitch, 1.5"

NOTE: Rear Hitch capacity corresponds to the draw bar pull rating for the tug.



Parts List

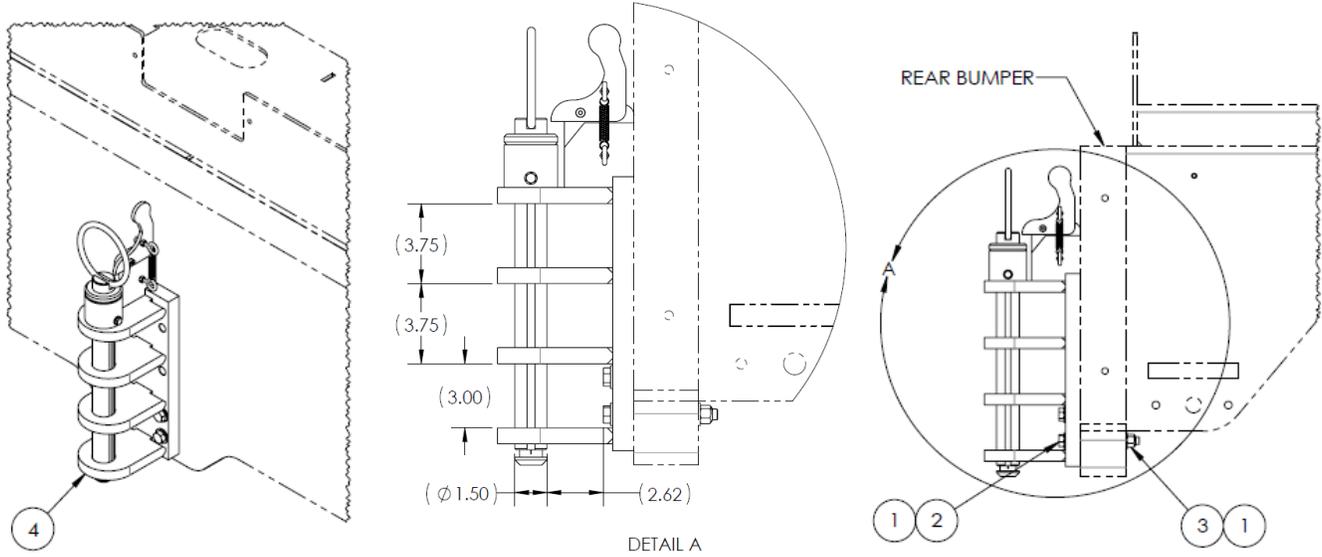
When ordering replacement parts/kits, please specify model, serial number and color of your unit.

Item	Part Number	Description	Qty
1	G-1250-1090N	FLATWASHER, 1/2 NARROW	8
2	G-1420-109050	BOLT, 1/2-13 X 5.0" HEX HD GR 8	4
3	G-1727-1090	NUT, 1/2-13 TOP LOCK ZINC	4
4	K-5267	KIT, SINGLE LEVEL HITCH, 1.5IN	1

6.21.6 Option, Three Level Hitch, 1.5"

NOTE: Rear Hitch capacity depends on position of lunette in the hitch.

Top Lunette Location..... 60,000 lbs tow capacity
 Center Lunette Location 90,000 lbs tow capacity
 Bottom Lunette Location 120,000 lbs Tow Capacity



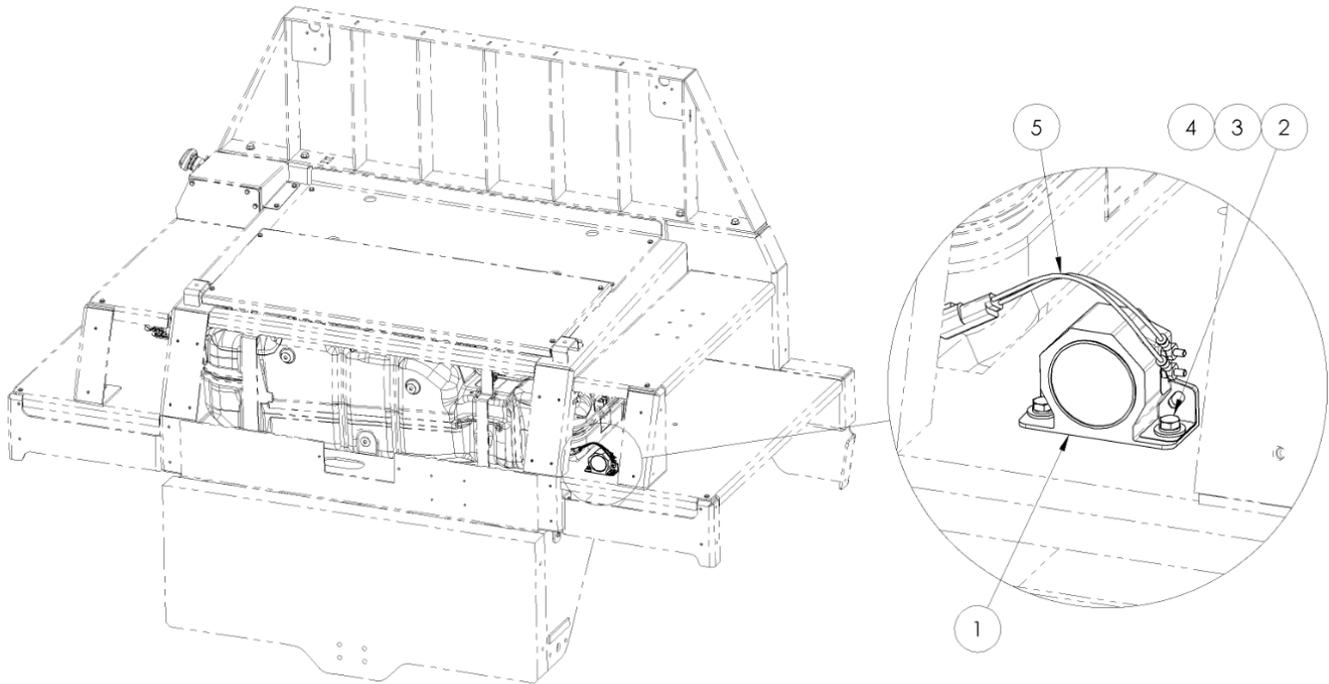
Parts List

When ordering replacement parts/kits, please specify model, serial number and color of your unit.

Item	Part Number	Description	Qty
1	G-1250-1090N	FLATWASHER, 1/2 NARROW	8
2	G-1420-109050	BOLT, 1/2-13 X 5.0" HEX HD GR 8	4
3	G-1727-1090	NUT, 1/2-13 TOP LOCK ZINC	4
4	K-5266	KIT, THREE LEVEL HITCH, 1.5IN	1

6.22 OPTION, BACKUP ALARM

The optional backup alarm sounds audibly at a level 97 dB when the vehicle is set to reverse.



Parts List

When ordering replacement parts/kits, please specify model, serial number and color of your unit.

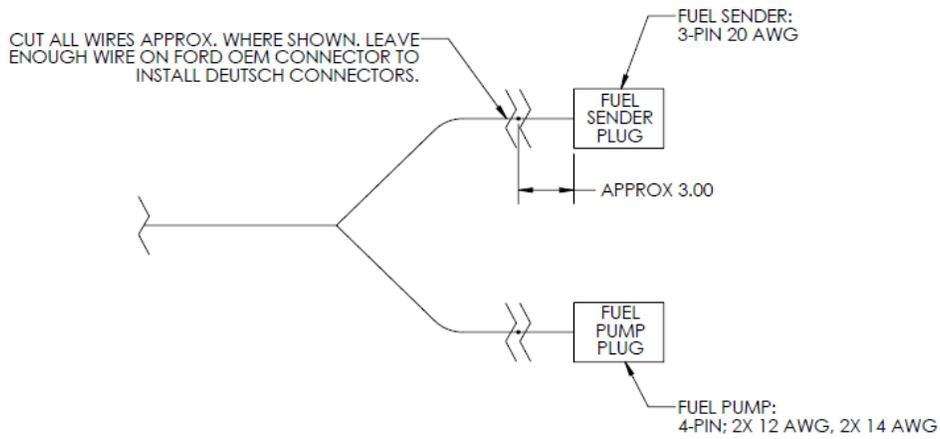
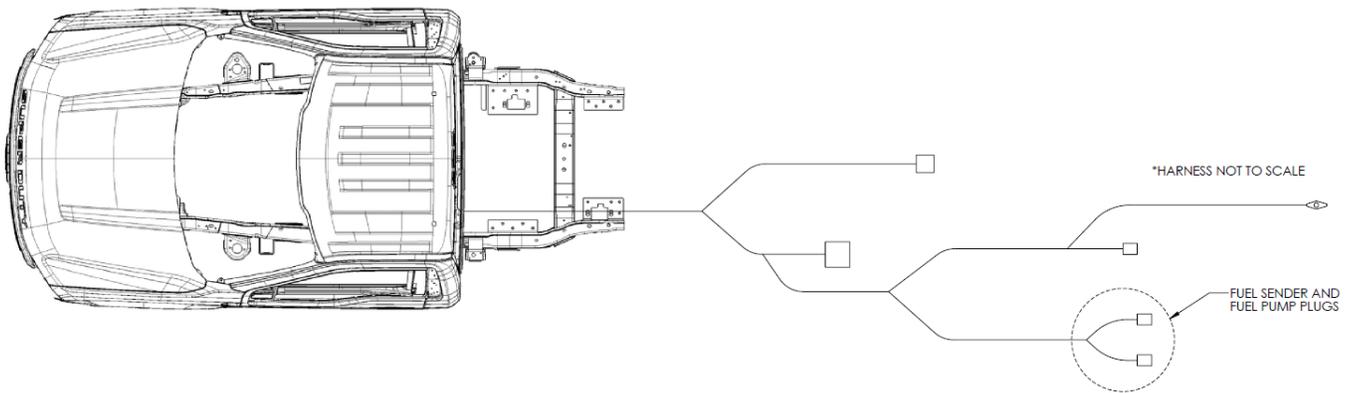
Item	Part Number	Description	Qty
1	AE-OPT-0001	BACKUP ALARM	1
2	G-1100-105010	BOLT, 1/4-20 X 1.0" LG HEX HD GR 5	2
3	G-1250-1050W	FLATWASHER, 1/4 WIDE	2
4	G-1251-1050R	LOCKWASHER, 1/4 REGULAR	2
5	Z-11174	BACKUP ALARM PIGTAIL	1

6.23 ELECTRICAL

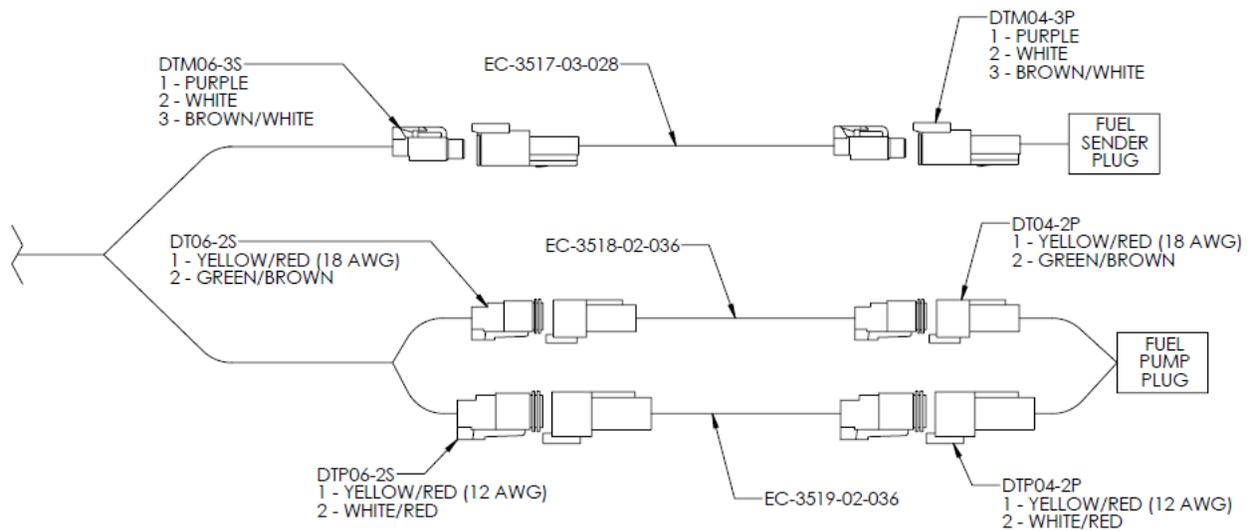
The OEM wire harness, aft of the cab, contains modifications to re-route connections to multiple components that are relocated.

Parts Lists for the following schematics and illustrations are in section 5.26.11 Electrical Parts List

6.23.1 Fuel Sender & Fuel Pump Plug



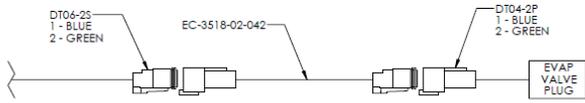
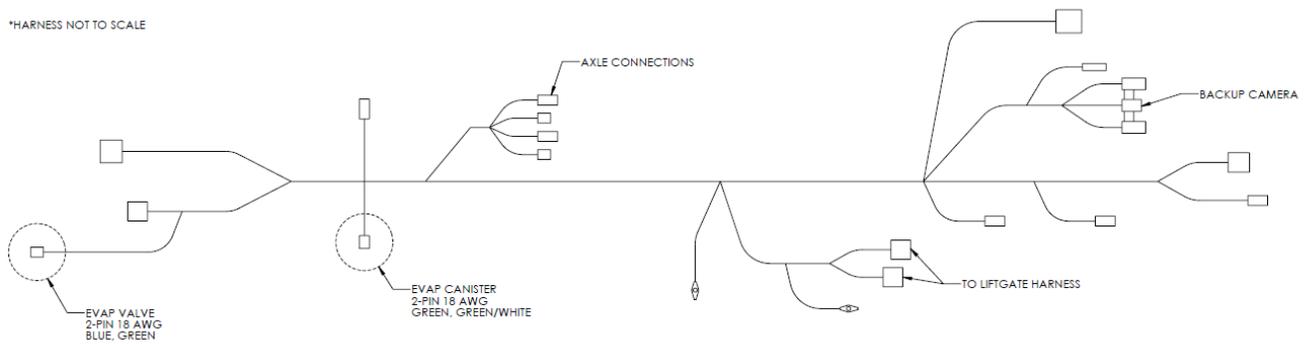
BEFORE MODS



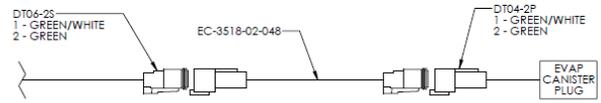
AFTER MODS

6.23.2 Evap Valve & Evap Leads

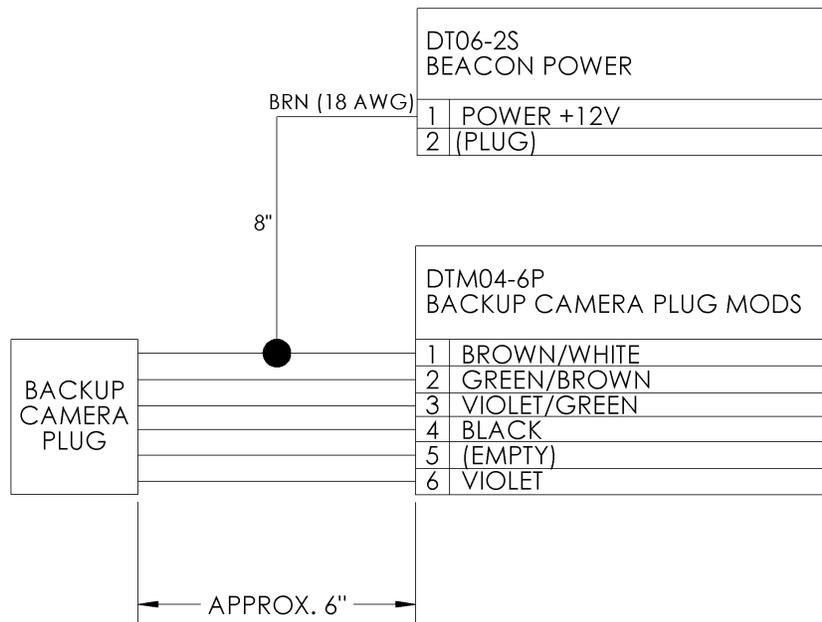
*HARNES NOT TO SCALE



EVAP VALVE LEAD MODS

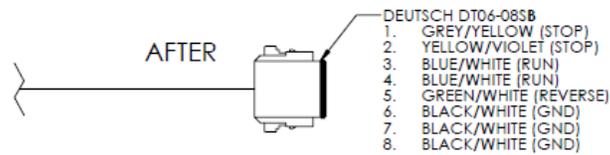
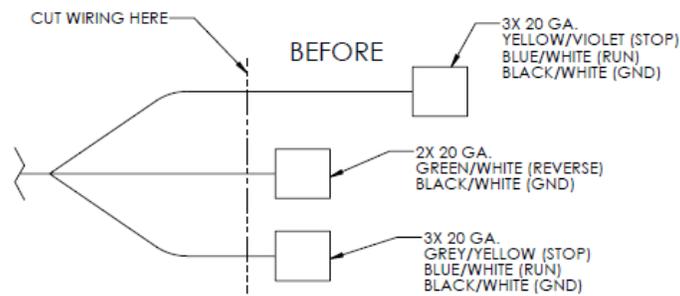
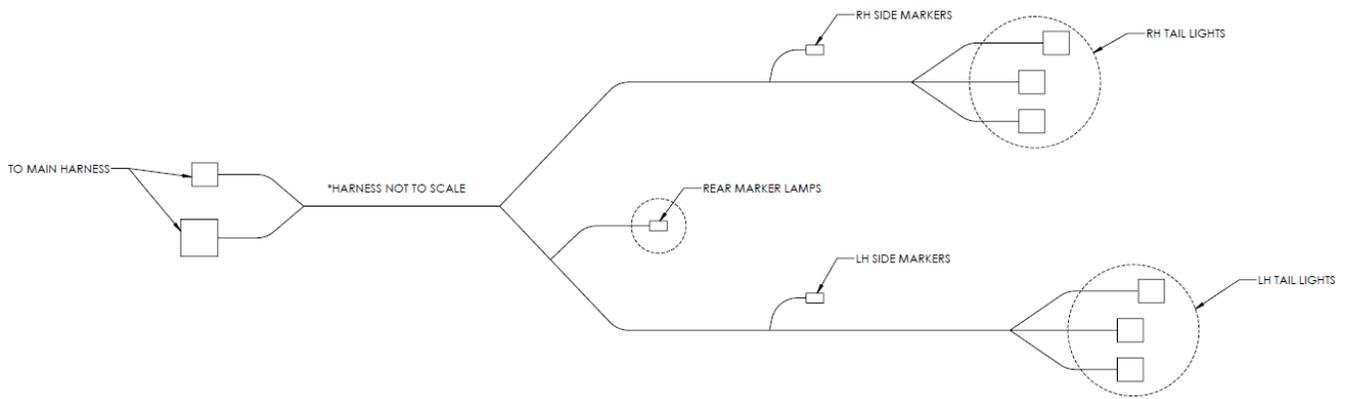


EVAP CANISTER LEAD MODS

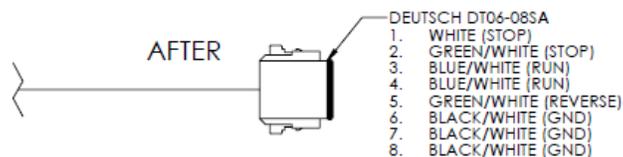
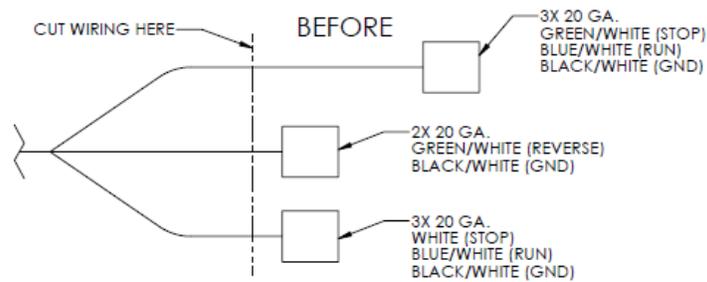


BACKUP CAMERA PLUG MODS

6.23.3 Tail Light Harness

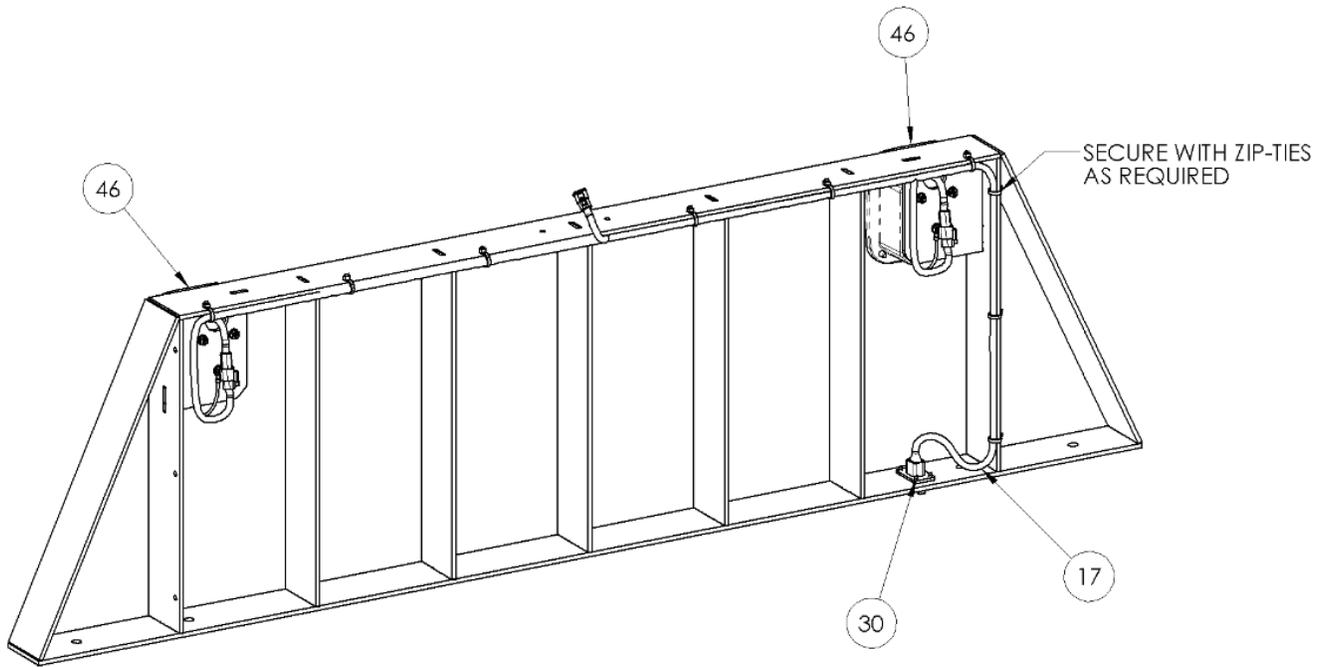


RH TAIL LIGHTS

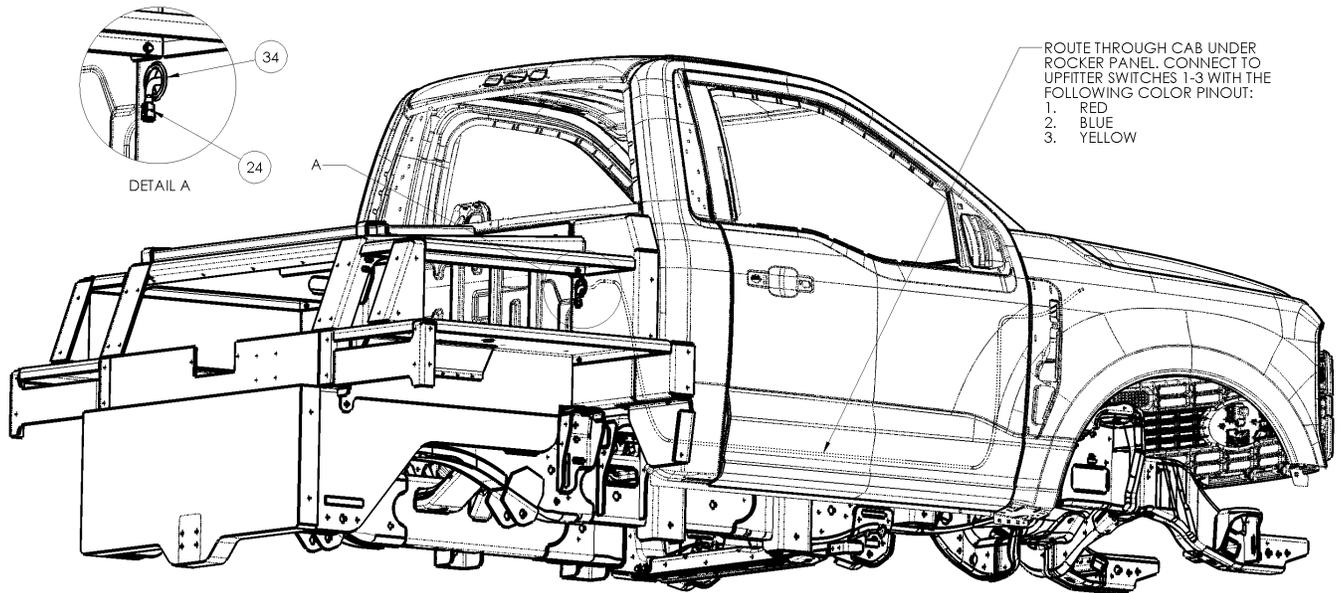


LH TAIL LIGHTS

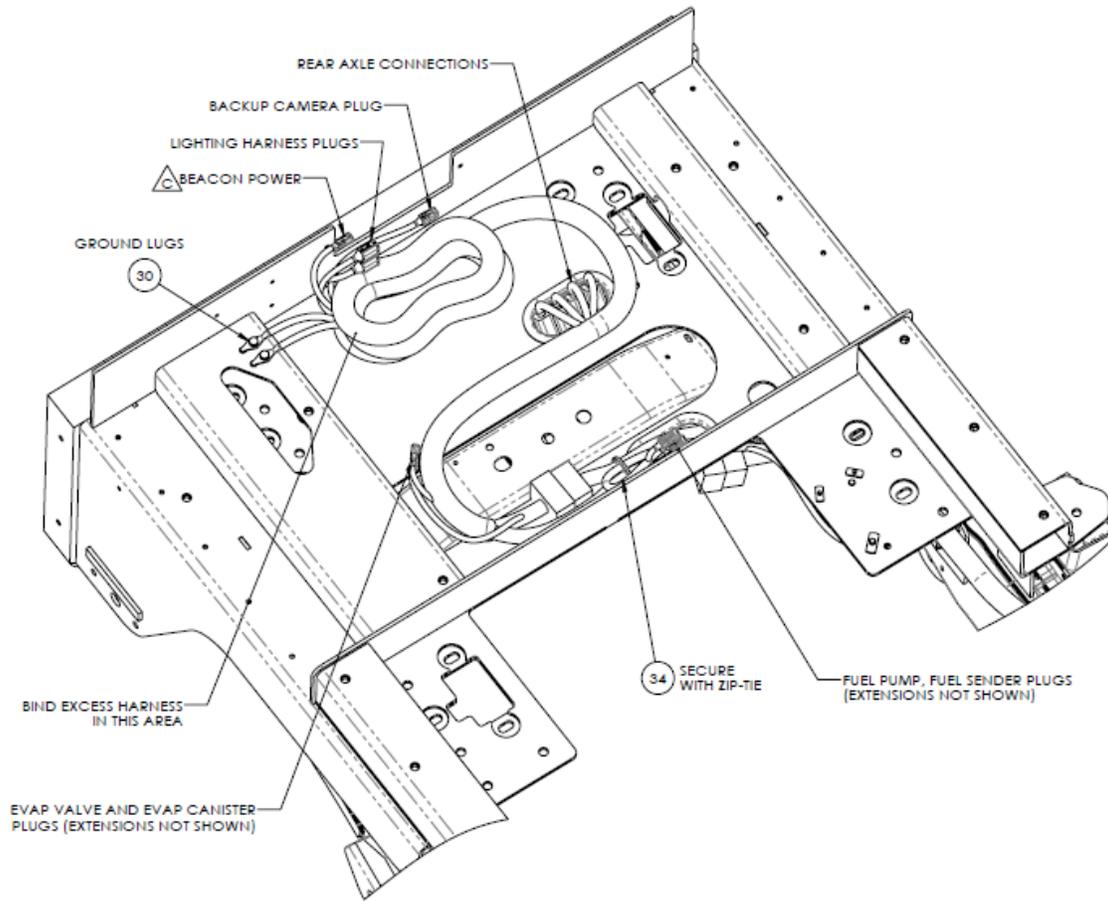
6.23.4 Headache Rack Wiring



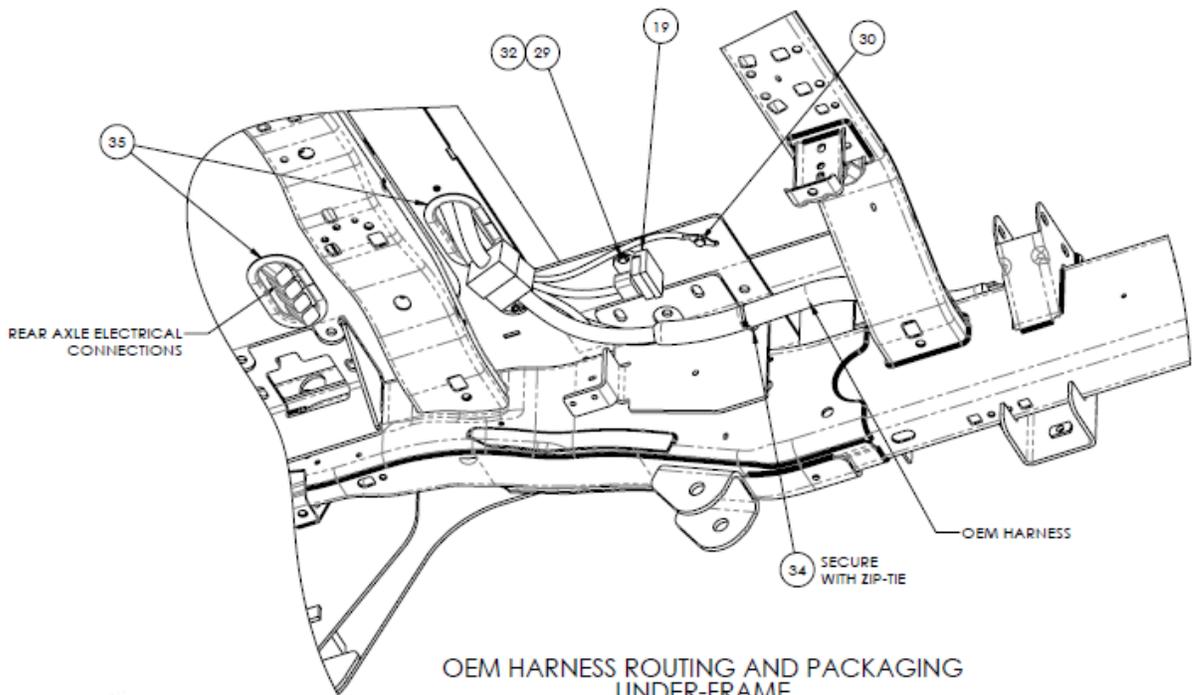
6.23.5 Upfitter Switch Option Feed



6.23.6 OEM Harness Routing & Packaging

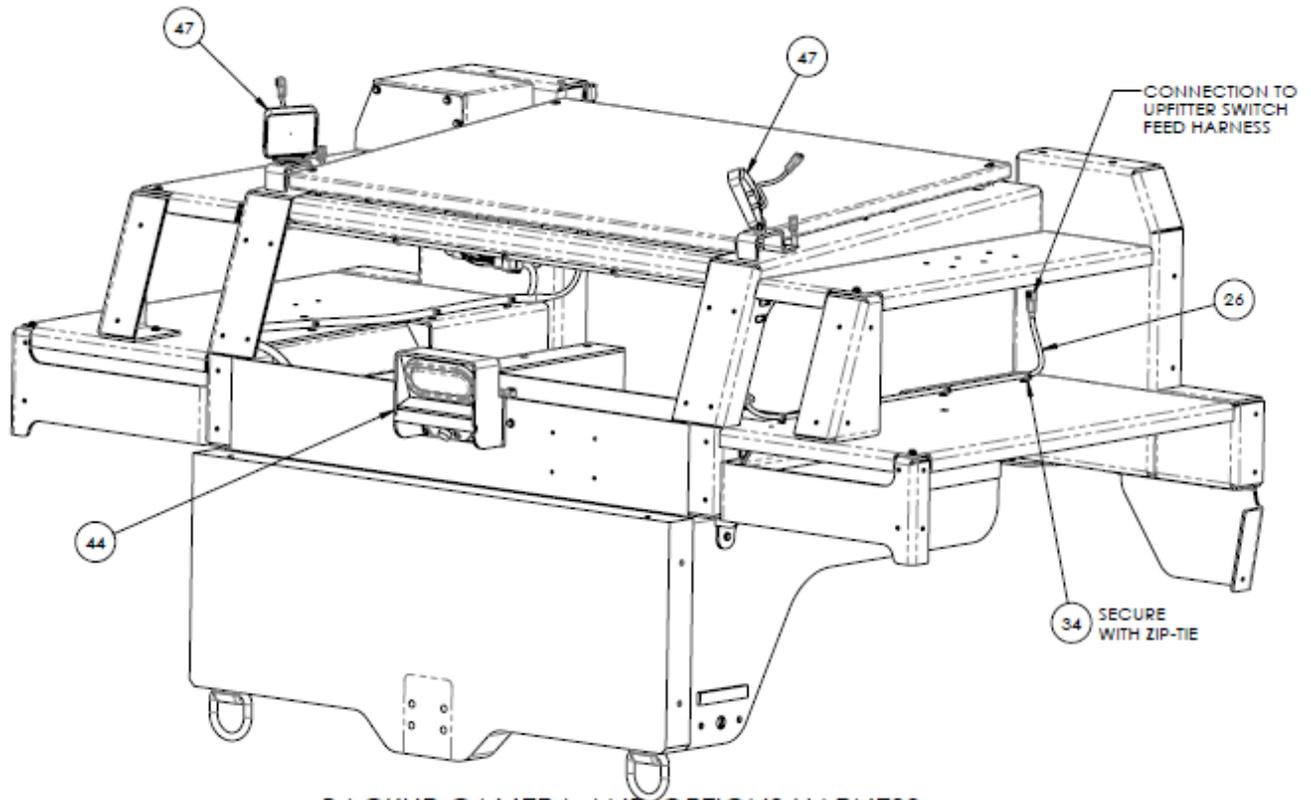


OEM HARNESS ROUTING AND PACKAGING

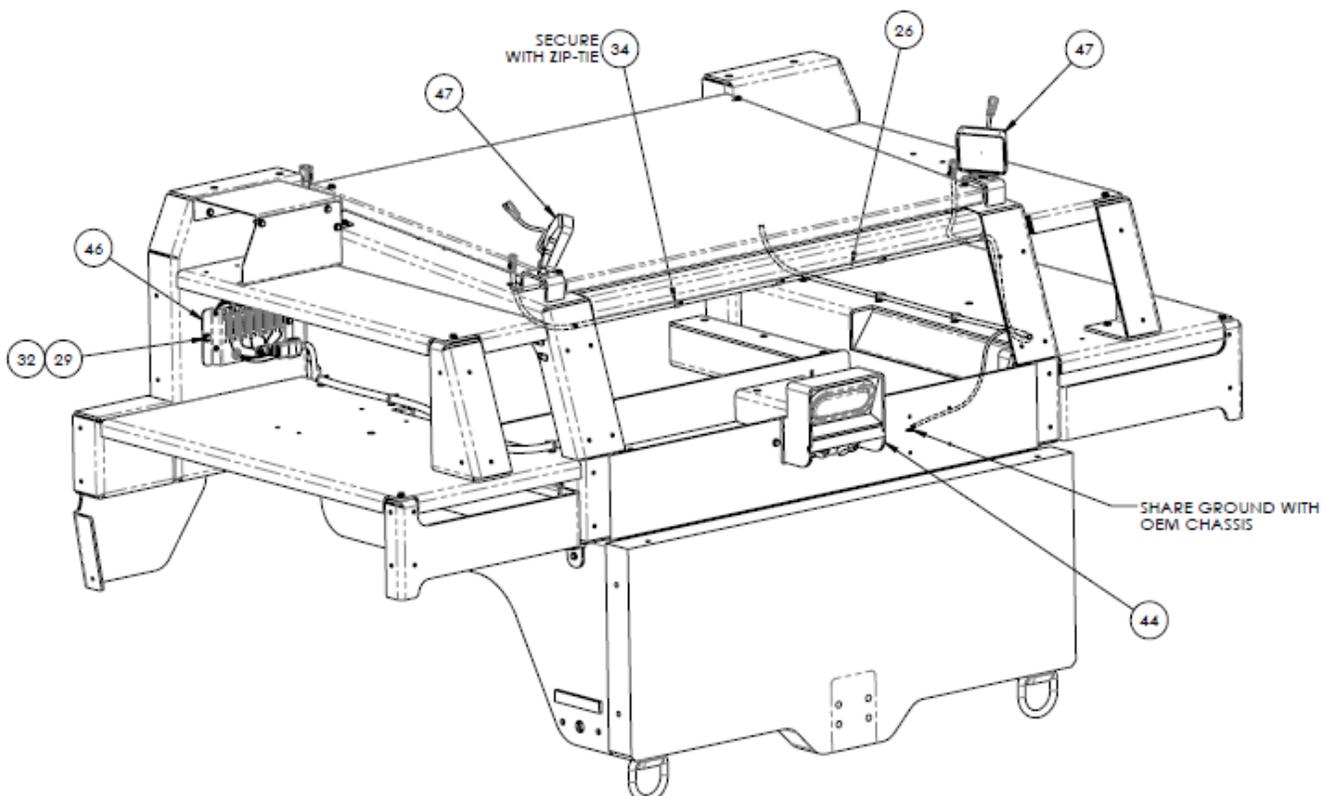


OEM HARNESS ROUTING AND PACKAGING
UNDER-FRAME

6.23.7 Backup Camera, Resistor Bank, & Options Harness

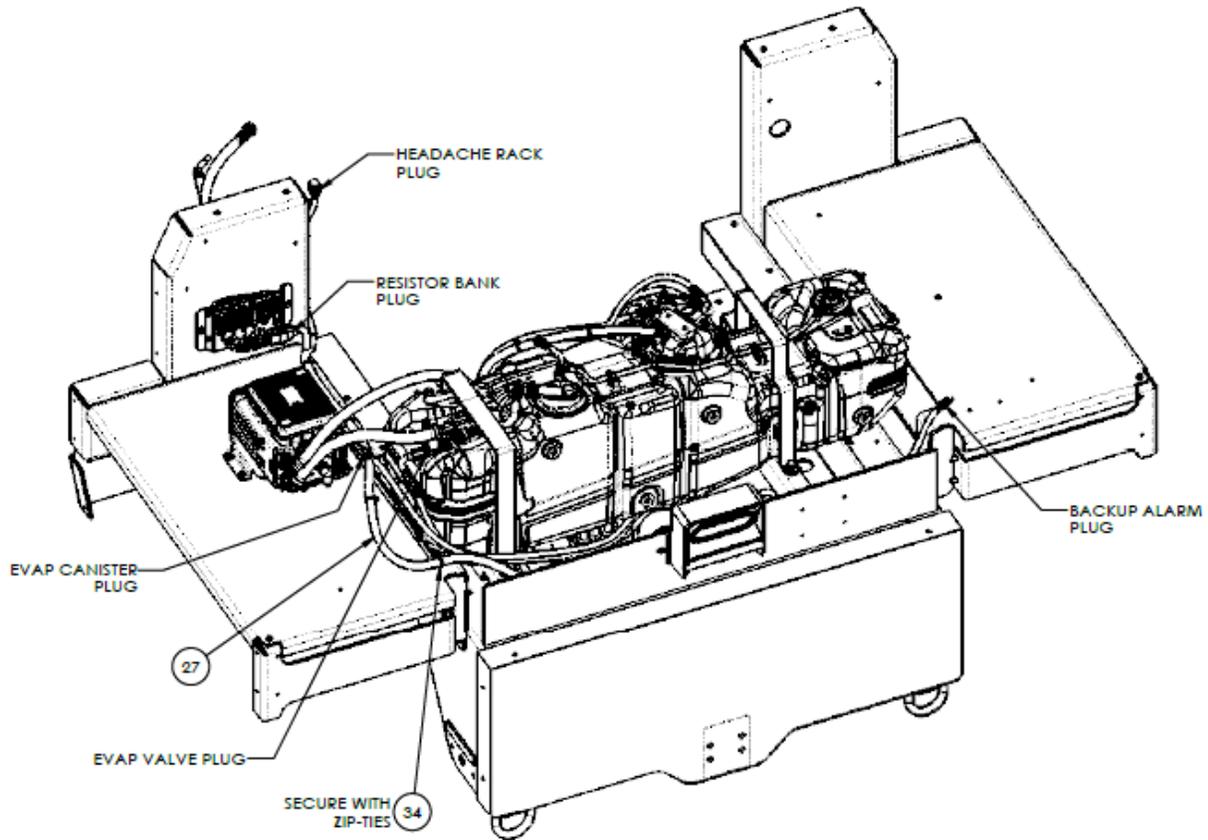


BACKUP CAMERA AND OPTIONS HARNESS

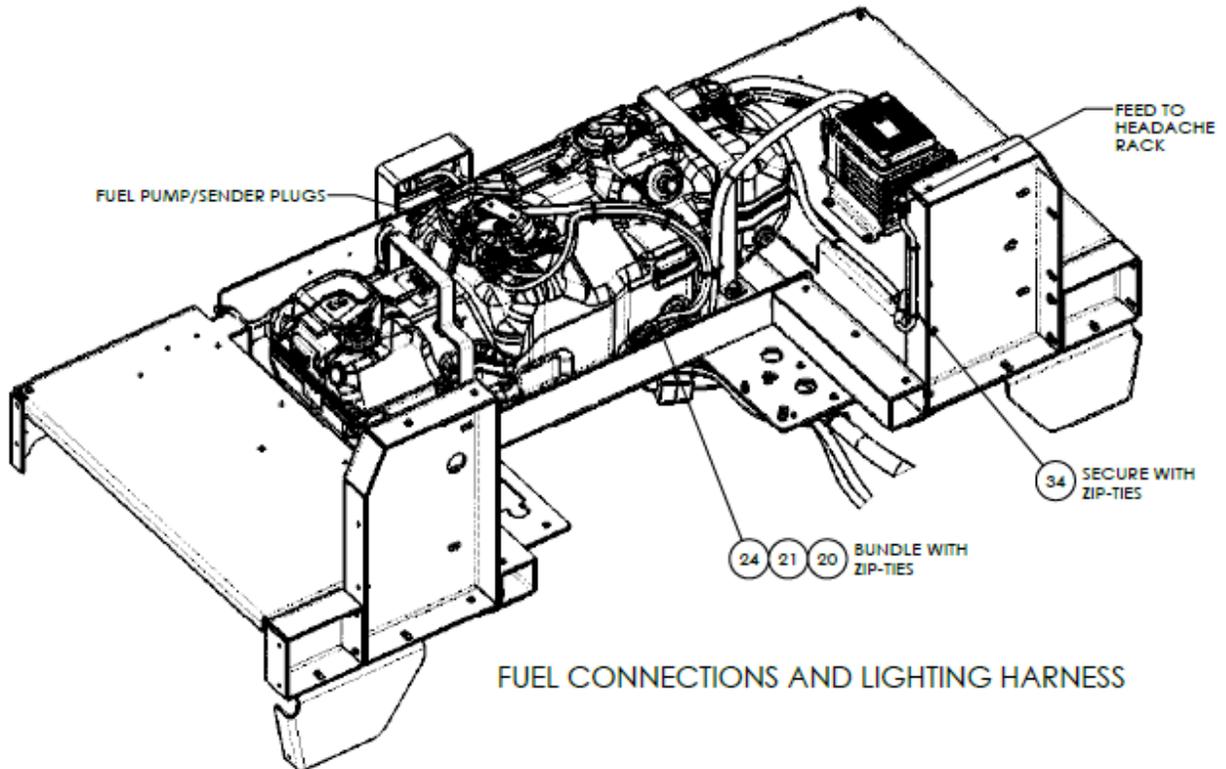


BACKUP CAMERA, RESISTOR BANK, AND OPTIONS HARNESS

6.23.8 Fuel Connections & Lighting Harness



FUEL CONNECTIONS AND LIGHTING HARNESS



FUEL CONNECTIONS AND LIGHTING HARNESS

6.23.9 Electrical Parts List

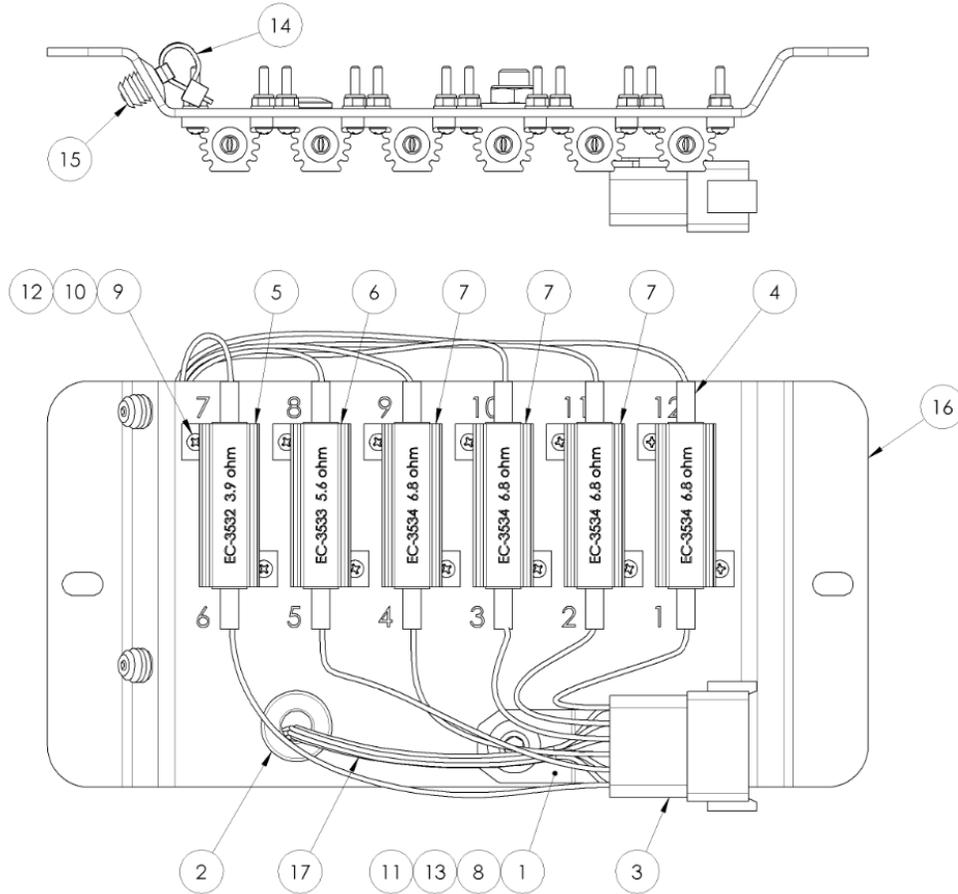
Parts List

When ordering replacement parts/kits, please specify model, serial number and color of your unit.

Item	Part Number	Description	Qty
1	0413-204-2005	EMPTY SOCKET PLUG	2
2	0460-202-20141	DEUTSCH TERMINAL	8
3	0460-204-12141	DEUTSCH TERMINAL	2
4	0460-215-16141	DEUTSCH TERMINAL	6
5	0462-201-20141	DEUTSCH TERMINAL	9
6	0462-203-12141	DEUTSCH TERMINAL	2
7	0462-209-16141	DEUTSCH SOCKET	22
8	114017	DEUTSCH EMPTY SOCKET PLUG	1
9	DT04-2P	DEUTSCH CONNECTOR	3
10	DT06-08SA	DEUTSCH CONNECTOR	1
11	DT06-08SB	DEUTSCH CONNECTOR HOUSING	1
12	DT06-2S	DEUTSCH CONNECTOR	4
13	DTM04-3P	DEUTSCH CONNECTOR	1
14	DTM06-3S	DEUTSCH CONNECTOR	1
15	DTM06-6S	DEUTSCH CONNECTOR HOUSING	1
16	DTP04-2P	DEUTSCH CONNECTOR DTP04-2P	1
17	DTP06-2S	DEUTSCH CONNECTOR HOUSING	1
18	EC-3515	HARNESS, TAIL LIGHTS	1
19	EC-3516	DRIVER, FUEL PUMP	1
20	EC-3517-03-028	DEUTSCH EXTENSION, 3-PIN MINI	1
21	EC-3518-02-036	DEUTSCH EXTENSION, 2-PIN STD	1
22	EC-3518-02-040	DEUTSCH EXTENSION, 2-PIN STD	1
23	EC-3518-02-048	DEUTSCH EXTENSION, 2-PIN STD	1
24	EC-3519-02-036	DEUTSCH EXTENSION, 2-PIN LARGE	1
25	EC-3524	HARNESS, UPFITTER EXTENSION	1
26	EC-3525	HARNESS, REAR OPTIONS	1
27	EC-3527	HARNESS, LIGHTING FEED	1
28	EC-3537	CAP, HEAT SHRINK	20
29	G-1100-105010	BOLT, 1/4-20 X 1.0" LG HEX HD GR 5	4
30	G-1100-107006	BOLT, 3/8-16 X 3/4" HEX HD GR 5	3
31	G-1178-103005	SCREW, #10 X 5/8 PAN HEAD SELF TAPPING	4
32	G-1250-1050W	FLATWASHER, 1/4 WIDE	4
33	H-5095	GROMMET	1
34	NVSP-24-022-CA	CABLE TIE ANCHOR STD (Ø.375 X .27 THK)	18
35	NVSP-24-042-CB	METAL CORE PLASTIC EDGE TRIM - 1/4	29
36	W2P	DEUTSCH LOCK	3
37	W2S	DEUTSCH LOCK	4
38	W8S	LOCK, DEUTSCH	2
39	WM-3P	DEUTSCH CONNECTOR LOCK	1
40	WM-3S	DEUTSCH CONNECTOR LOCK	1
41	WM-6S	DEUTSCH CONNECTOR LOCK	1
42	WP-2P	DEUTSCH CONNECTOR LOCK	1
43	WP-2S	DEUTSCH CONNECTOR LOCK	1
44	Z-12505	ASY, BACKUP CAMERA MOUNT	1
45	Z-12078	ASY, TAIL LIGHT W CONNECTOR	2
46	Z-12092	ASY, RESISTOR LOAD BANK	1
47	Z-9825	ASY, HEADLIGHT W/CONNECTOR	2
48	DTM04-6P	DEUTSCH CONNECTOR	1
49	WM-6P	DEUTSCH CONNECTOR LOCK	1

6.23.10 Resistor Load Bank

The resistor load bank is required to add electrical load to aftermarket LED lighting.



Parts List

When ordering replacement parts/kits, please specify model, serial number and color of your unit.

Item	Part Number	Description	Qty
1	1027-003-1200	DEUTSCH RETAINER CLIP	1
2	AE-OPT-0320-E	GROMMET, Ø5/8 HIGH TEMP	1
3	DT04-12PA	DEUTCH CONNECTOR HOUSING	1
4	EC-1358-02	TUBING, HEAT SHRINK	6 IN
5	EC-3532	POWER RESISTOR, 3.9 OHM 50W	1
6	EC-3533	POWER RESISTOR, 5.6 OHM 50W	1
7	EC-3534	POWER RESISTOR, 6.8 OHM 50W	4
8	G-1154-107205	SCREW, 3/8-16 X 5/8" LG. SOCKET BUTT HD CAP	1
9	G-1159-100006	RND HD CRS REC MACHINE SCREW	12
10	G-1202-1000	STOPNUT, #4-40 ELASTIC	12
11	G-1203-1070	JAMNUT, 3/8-16 ELASTIC	1
12	G-1250-1000N	FLATWASHER, #4 NARROW	12
13	G-1250-1070N	FLATWASHER, 3/8 NARROW	1
14	N/A	CABLE TIE	2
15	NVSP-24-022-CA	CABLE TIE ANCHOR STD (Ø.375 X 27 THK)	2
16	S-4468-00	BRACKET, RESISTOR BANK (P)	1
17	EC-3299-18-BLK	WIRE, TXL, 18 GA BLACK	114 IN.



7.0 IN SERVICE SUPPORT

Contact Eagle Tugs. for technical services and information. See Section 1.3 – Manufacturer.

7.1 TECHNICAL ASSISTANCE

When addressing a repair procedure or operational problem, please remember that Tronair technical support is only a phone call away. Tronair technicians are available to assist you in vehicle diagnostics and recommended repair procedures. We encourage you to use this service to reduce machine down-time and to gain a better understanding of proper repair procedures.

8.0 GUARANTEES/LIMITATION OF LIABILITY

8.1 FORD WARRANTY

The Eagle EB3 series truck is built on a Ford Motor Company Chassis Cab. All unmodified or altered Ford components are covered by the Ford Motor Company standard warranty. Please refer to the vehicle manual supplied with your EB3 tractor for specific warranty details.

Eagle Bob Tails are covered under Ford Motor Company's Standard Warranty for each respective Ford truck model.

8.2 EAGLE WARRANTY

Coverage Overview

The Eagle Warranty covers all new Eagle vehicles. Eagle, a Tronair company, warrants that these vehicles will be free from defects in material and workmanship for the period described based on the warranty period of the vehicles listed below. The warranty period begins on the date of shipment to the original purchaser. Coverage extends for the time period or operating hours specified for each vehicle series below, whichever limit is reached first. This warranty is non-transferable and applies only to the original purchaser of the vehicle.

Coverage by Vehicle Series

The Eagle Warranty provides 3-year or 3,000-hour coverage, whichever occurs first, for TT-series, TTR-series, eTT-series, eJP-series, XM-series, XL-series, and USATS vehicles when used in aviation applications. For non-aviation/industrial applications, the Eagle Warranty provides 1-year or 2,000-hour coverage, whichever occurs first, regardless of vehicle series. This includes MTT-series, STT-series, RTT-series, Bobtails, Transit Pro, and any aviation-series vehicle used in non-aviation/industrial applications. Bobtails are covered under Ford Motor Company's standard warranty (three-year/36,000-mile bumper-to-bumper and five-year/60,000-mile powertrain). Eagle provides supplementary 1-year/2,000-hour warranty coverage for Eagle-specific components not covered by Ford's warranty.

Exclusions

This warranty does not apply to any Eagle vehicle or component part(s) that have damage caused by: misuse of the vehicle, accidents, collision or objects striking the vehicle, vandalism, fire, explosion or water damage, using contaminated or improper fuel/fluids, customer-applied chemicals to painted surfaces, improper handling or application, or maintenance neglect including lack of lubricants or fluids. This warranty does not extend to Eagle vehicles and/or parts which have been repaired or altered outside of Eagle's plant or the facility of an Authorized Service Representative without the permission of Eagle.

Any modification to the electrical system must receive prior written approval from Eagle. Unauthorized electrical modifications will void warranty coverage for electrical components only.

This warranty does not apply to routine maintenance or wearable parts of the Eagle vehicle such as: tires, brake pads or shoes, ball joints, kingpins, u-joints, wheel bearings, filters, seals, spark plugs, hoses, belts, light bulbs, batteries (diesel and gas vehicles), fuses, or similar items.

Batteries, battery chargers, snowplows, and Transit Pro options are warranted directly to the user by their respective manufacturers and not by Eagle or an Authorized Service Representative.

This warranty does not cover or provide credit for the following: vehicle rental or other substitute equipment; lodging; loss of time, income, sales or profits; loss of the use of vehicle; telephone calls or communication expense; lift truck; storage fees; injury or death to persons or damage or destruction of property; or consequential, incidental or punitive damages.

Warranty Claim Procedure

When a warranty situation arises, it is essential that the customer contact Tronair Product Support at productsupport@tronair.com or +1 (419) 861-2560. The customer will need to provide Eagle with the vehicle serial number and operating hours. A representative will analyze the problem and determine the next steps. In many cases, technical support personnel will be able to analyze the problem and recommend a solution that will solve the problem and reduce downtime. If further service is required, a customer service representative will work with customer personnel to arrange a service provider and/or will send parts to your facility for the repair as quickly as possible. The determination of a warrantable claim will be at the sole discretion of Tronair.

Notice and Remedies

Notice of any claimed defect must be given to Eagle within the warranty period and within a reasonable time after such defect is discovered, not to exceed thirty (30) days. Liability under this warranty is limited to either replacing or repairing, at Eagle's election, any part or parts deemed defective after examination by Eagle or an Authorized Service Representative. Eagle reserves the right to use remanufactured parts as replacements in warranty claims.

8.2 EAGLE WARRANTY (*continued*)

Third-Party Inspection and Return Requirements

At Eagle's election, any part replaced under warranty as defective can be sent out for third-party inspection. If the part is not found to be defective, or abuse was the cause of the failure, all associated costs related to the warranty claim may be charged to the customer. All parts returned to Eagle by a customer must be received without further damage. If returned items are not properly packaged for return shipping to Eagle or an Authorized Service Representative via prepaid transportation, the customer will be charged for the full value of the item that was damaged upon return. This warranty does not extend beyond its original term for any Eagle vehicle or part replaced or repaired under warranty. Any and all disputes or disagreements will be negotiated in good faith by both parties.

Labor Allowance

A labor allowance may be issued upon request at Tronair's discretion. Allowable labor hours and per-hour labor rate will be determined by Eagle according to reasonable automotive standards.

Limitation of Warranties

Except as set forth above, all warranties, conditions, representations, indemnities and guarantees, express or implied, whether arising by statute, custom of trade, or under oral or written statements made by or on behalf of Eagle in negotiations with customer, distributor, dealer, or any representative, are hereby waived and excluded, and no liability shall attach to Eagle, either in contract or in tort, or strict liability in tort, for any damage to property, loss of profits, damages, costs, charges, liability or expenses, whether direct or indirect, consequential or otherwise, which arise out of or in connection with the sale or use of any Eagle vehicle or the supply of services.

Definitions

Authorized Service Representative: Service providers approved by Eagle to perform warranty repairs. Contact Tronair Product Support for a list of Authorized Service Representatives in your area.

Eagle reserves the right to modify this warranty without prior notice.