



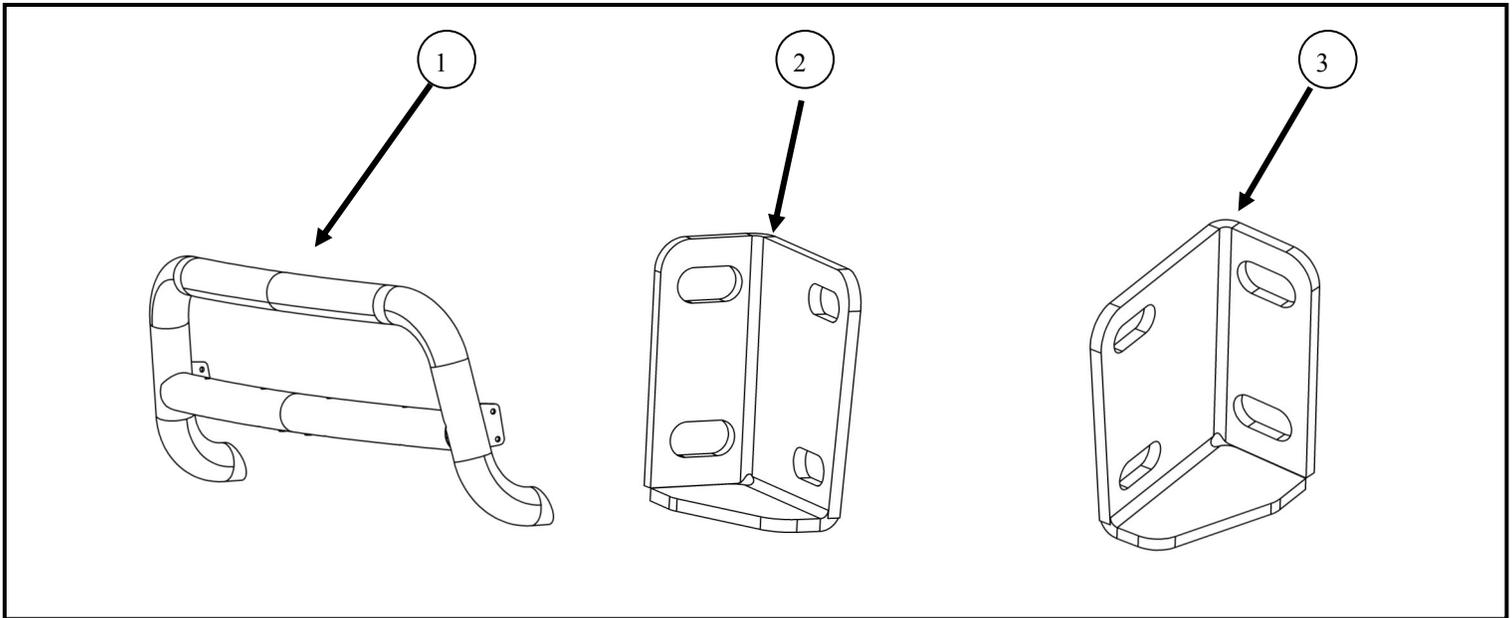
INSTALLATION INSTRUCTIONS

APPLICATION: 2011-2015 FORD F250/350/450/550
PART NUMBER: 32-31040, 32-31045, 32-31045T
3.5" CONTOUR BULL BAR

AUTOMOTIVE PRODUCTS, INC.

ITEM	QUANTITY	DESCRIPTION	TOOLS NEEDED
1	1	3.5" CONTOUR BULL BAR	RATCHET
2	1	DRIVER MOUNTING BRACKET	16MM SOCKET
3	1	PASSENGER MOUNTING BRACKET	16MM WRENCH
4	4	M10-1.50X30 HEX HEAD CAP SCREW (STAINLESS STEEL)	18MM SOCKET
5	8	M10 FLAT WASHER, 20MM OD X 2MM THICK (STAINLESS STEEL)	18MM WRENCH
6	4	M10 SPLIT LOCK WASHER (STAINLESS STEEL)	TORQUE WRENCH
7	4	M10-1.50 HEX NUT (STAINLESS STEEL)	
8	4	M12-1.75 HEX NUT (YELLOW ZINC)	
9	4	M12 SPLIT LOCK WASHER (YELLOW ZINC)	
10	4	M12 FLAT WASHER, 24MM OD X 2.5MM THICK (YELLOW ZINC)	

ANTI-SEIZE LUBRICANT MUST BE USED ON ALL STAINLESS STEEL FASTENERS TO PREVENT THREAD DAMAGE AND GALLING

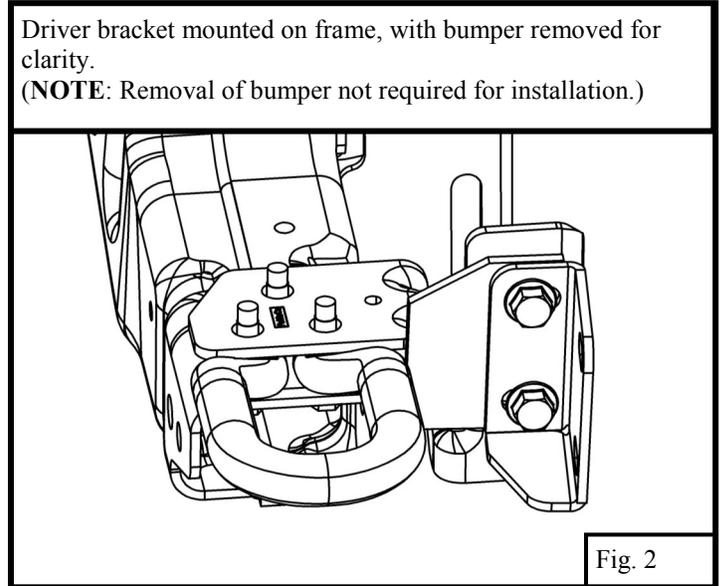
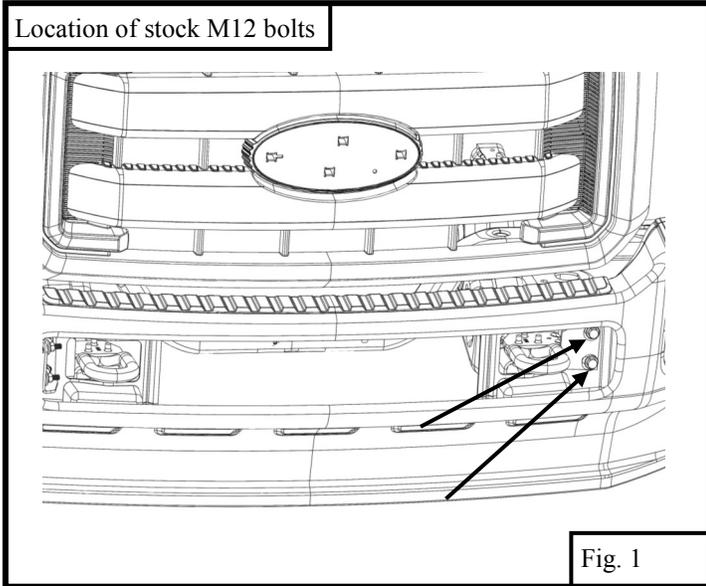


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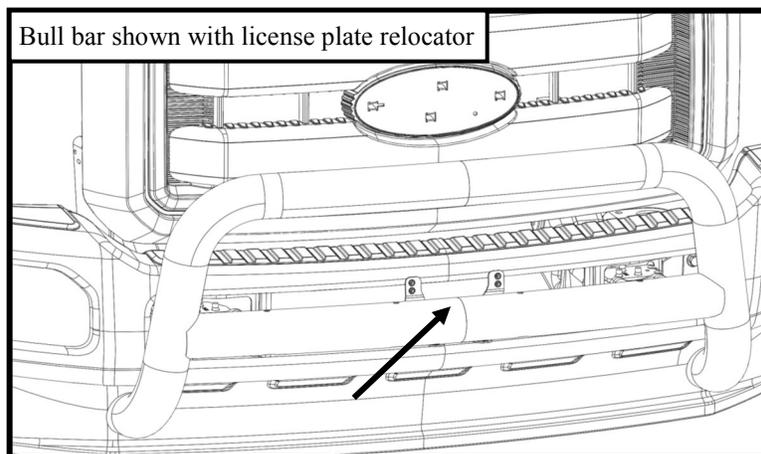
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PROCEDURE

1. Remove contents from box, verify if all parts listed are present and free from damage. Carefully read and understand all instructions before attempting installation. **Failure to identify damage before installation could lead to a rejection of**
2. Start installation on the driver side of the vehicle. Locate the two stock M12 bolts inside the front bumper and remove them (**FIG 1**). **NOTE:** There are retainer clips that may need to be pried off the bolts.
3. Position the driver bracket up against the frame of the vehicle, making sure to align the two holes on the mounting bracket with those of the frame (**FIG 2**). Loosely install the bracket using the stock M12 bolts, (2) M12 split lock washers, (2) M12 flat washers, and (2) M12-1.75 hex nuts. **Do not re-use the factory bolt plate.**
4. Repeat steps **2&3** for passenger side.



5. With assistance, hold the bull bar up in position on the inside of the mounting brackets. Loosely install the bull bar to the mounting brackets using (4) M10-1.50X30 hex cap screws, (8) M10 flat washers, (4) M10 split lock washers, and (4) M10-1.50 hex nuts. See **Figure 3** for a picture showing the mounting hardware.
6. Align and adjust the bull bar as necessary, then fully tighten all hardware at this time. Torque all M10 hardware to 30-35 ft-lbs and M12 hardware to 50-55 ft-lbs.
7. If state requires the display of a front license plate, License plate relocator (part #32-30055) is available for a separate purchase.



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Bull bar hardware assembly

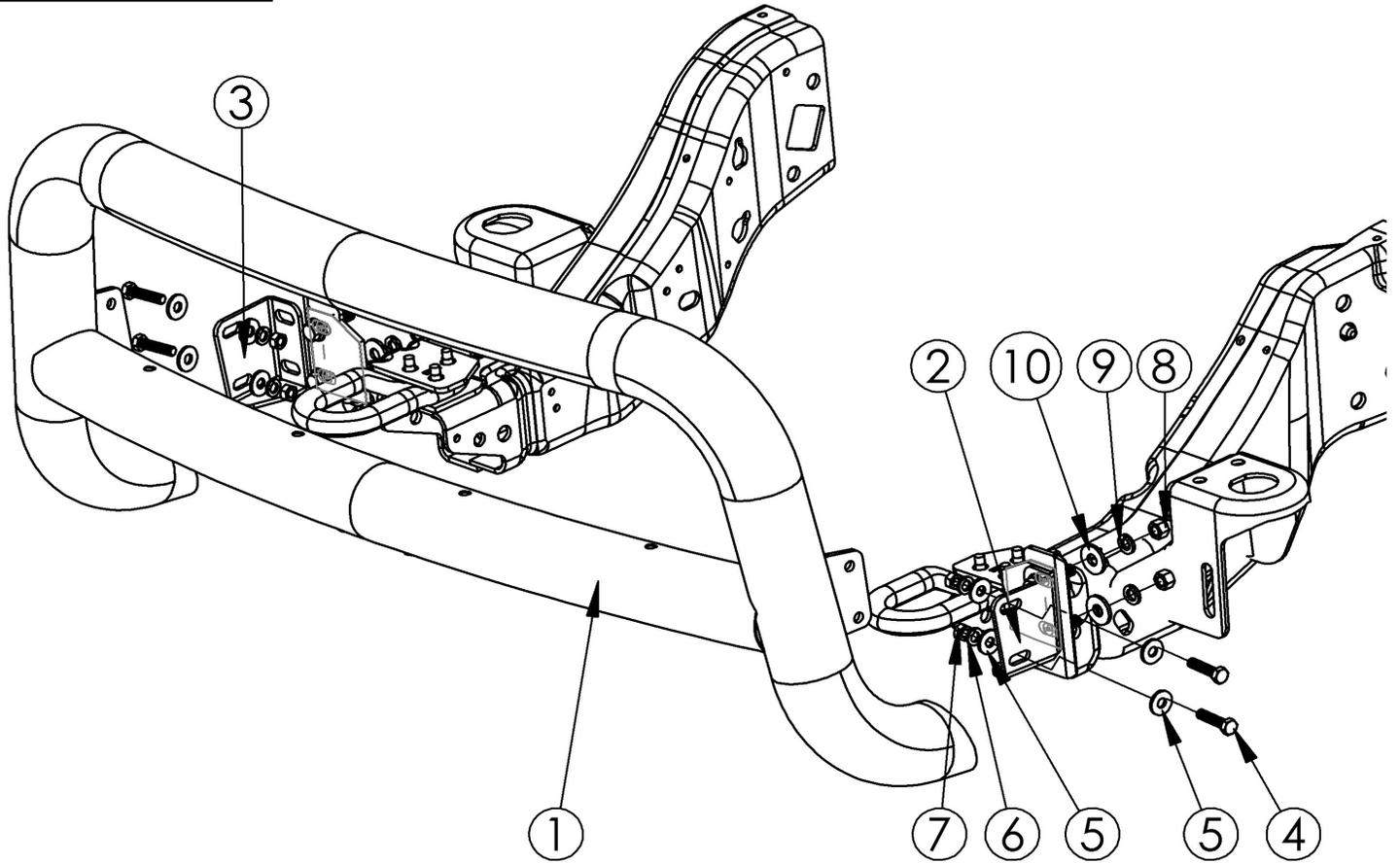


Fig. 3



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INSTALLATION COMPLETE



CARE INSTRUCTIONS

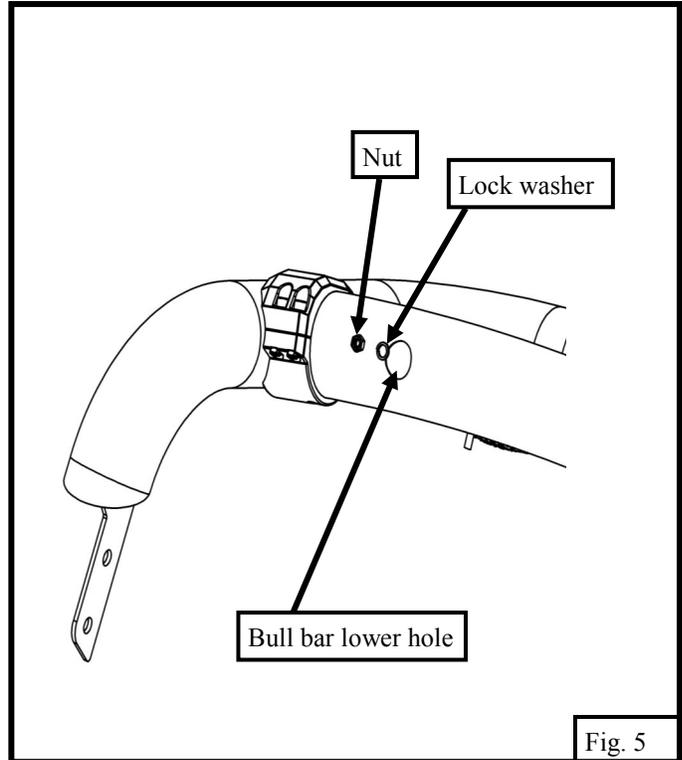
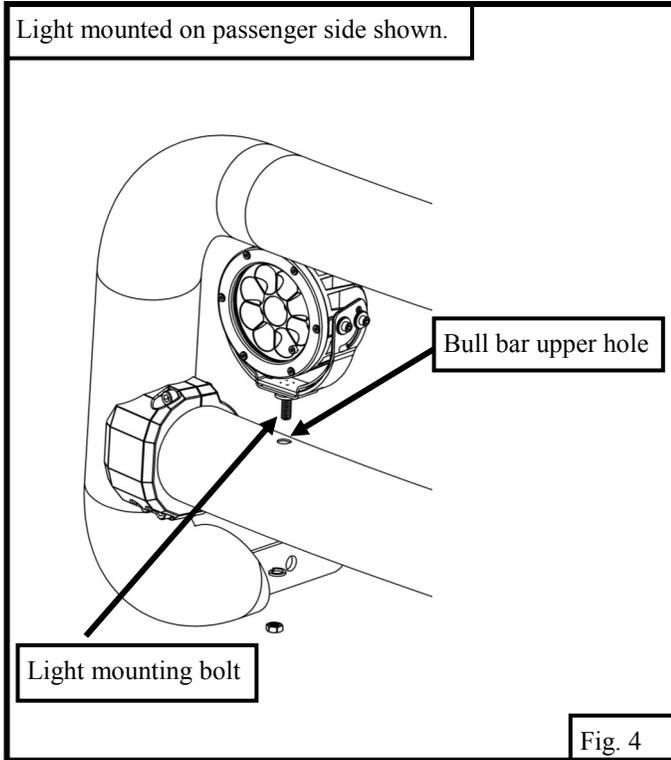
- REGULAR WAXING IS RECOMMENDED. DO NOT USE ANY TYPE OF POLISH OR WAX THAT MAY CONTAIN ABRASIVES.
- STAINLESS STEEL PRODUCTS CAN BE CLEANED WITH MILD SOAP AND WATER. STAINLESS STEEL POLISH SHOULD BE USED TO POLISH SMALL SCRATCHES.
- GLOSS BLACK FINISHES SHOULD BE CLEANED WITH MILD SOAP AND WATER.



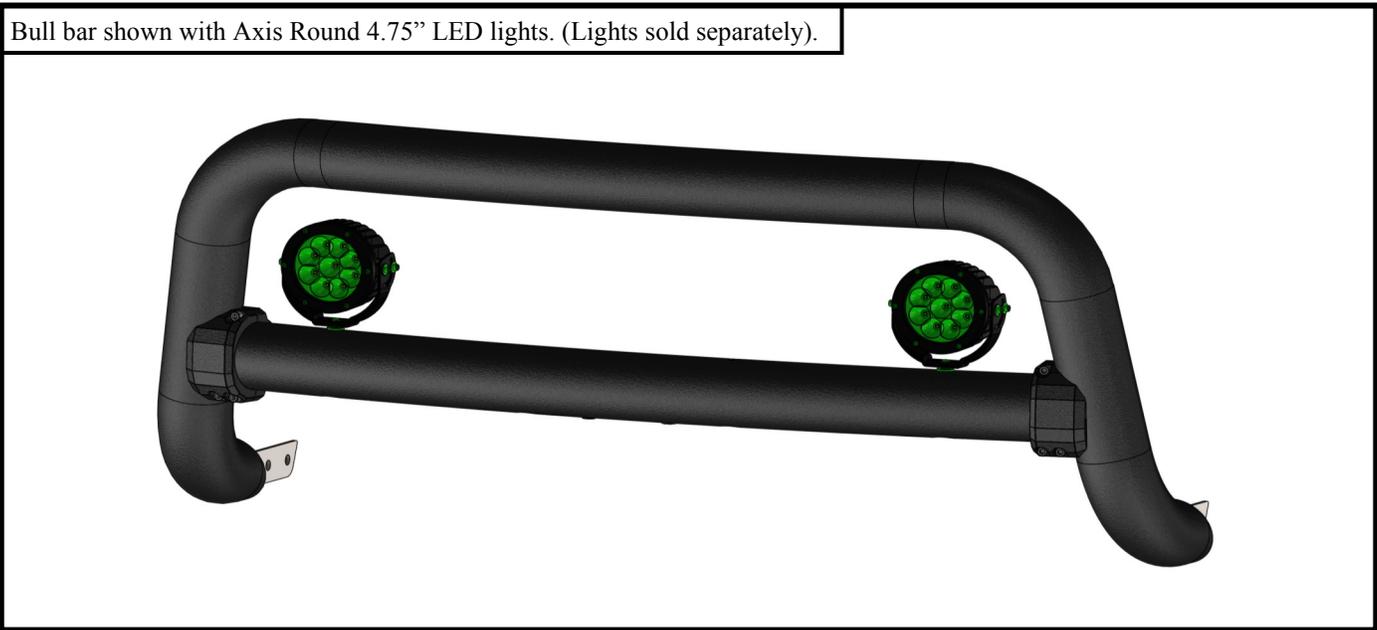
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LIGHT MOUNTING INSTRUCTIONS (lights sold separately)



1. In order to mount the post style lights onto the bull bar start by aligning and inserting the mounting bolt of the light onto one of the upper holes in the bull bar. See **Figure 4** for a picture showing this step.
2. From underneath the bull bar, insert the lock washer and nut through the hole as shown in **Figure 5**. **NOTE:** A deep well socket will need to be used in order to fasten the nut to the bolt up through the bull bar. To prevent the washer from falling off while inserting it up through the bolt, use a small piece of tape to tape it to the nut. The tape will shear off once sufficient torque is applied to the nut. Torque the hardware to the specified recommendations.
3. Repeat steps 1 and 2 for the installation of any additional lights.



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