



INSTRUCTIONS—INSTRUCCIONES—CONSIGNES

APPLICATION: 2008-10 & 2011-13 FORD F250/250/450
APP PART # 46-23725, 46-23735, 45-92360, 40-92365, 45-92370, 40-92375, 57-92370, 57-92375
MAX WINCH TRAY, HDX/SPORTSMAN GRILLE GUARD

AUTOMOTIVE PRODUCTS, INC.

ITEM	QUANTITY	DESCRIPTION	TOOLS NEEDED
1	1	WINCH TRAY	18MM SOCKET
2	1	SPORTSMAN GG (INCLUDED WITH KIT 45-92370/40-92375, 45-92360/40-92365)	18MM WRENCH
3	1	HDX GRILLE GUARD (INCLUDED WITH KIT 57-92370/57-92375)	16MM SOCKET
4	2	WINCH TRAY MOUNTING BRACKETS	16MM WRENCH
5	2	28MM SPACER TUBE (INCLUDED WITH KIT 45-92370/40-92375, 45-92360/40-92365, 57-92370/57-92375)	ALLEN KEY (INCLUDED)
6	2	THIN SPACER PLATE (ONLY USED ON 2011 & UP VEHICLES THAT ARE NOT EQUIPPED WITH FRONT FRAME BRACKETS)	RATCHET
7	2	THICK SPACER PLATES (INCLUDED WITH KIT 45-92370/40-92375)	TORQUE WRENCH
8	10	M12 X 40MM HEX HEAD BOLTS	SWIVEL SOCKET
9	24	M12 FLAT WASHERS	
10	10	M12 LOCK WASHERS	
11	10	M12 HEX NUTS	
12	6	M10 X 40MM HEX HEAD BOLTS	
13	12	M10 FLAT WASHERS	
14	6	M10 LOCK WASHERS	
15	6	M10 HEX NUTS	
16	4	M12 X 45MM BUTTON HEAD BOLTS (STAINLESS STEEL, INCLUDED WITH KITS 45-92360/40-92365, 45-92370/40-92375, 57-92370/57-92375)	
17	12	M12 FLAT WASHERS (STAINLESS STEEL, INCLUDED WITH KITS 45-92360/40-92365, 45-92370/40-92375, 57-92370/57-92375)	
18	6	M12 LOCK WASHERS (STAINLESS STEEL, INCLUDED WITH KITS 45-92360/40-92365, 45-92370/40-92375, 57-92370/57-92375)	
19	6	M12 HEX NUTS (STAINLESS STEEL, INCLUDED WITH KITS (45-92360/40-92365, 45-92370/40-92375, 57-92370/57-92375)	
20	2	M12 X 75MM BUTTON HEAD BOLTS (STAINLESS STEEL, INCLUDED WITH KITS 45-92360/40-92365, 45-92370/40-92375, 57-92370/57-92375)	

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

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.
2. Starting at the front of the vehicle locate the factory M12 hardware attaching the bumper to the frame and factory tow hooks and fully loosen or remove them (4 total fasteners). NOTE: There may be factory clips retaining the bolts to the bumper. These may be left on, but it is usually easier to pry them off (they do not need to be re-used). Remove the rubber air deflector where it is attached to the bumper. Remove the M10 hardware from the bumper extension brackets (2 total fasteners). If the vehicle is equipped fog lights disconnect the harness. With assistance remove the entire bumper assembly and set it aside.
3. Remove the tow hooks from the frame. NOTE: The tow hooks cannot be re-used on this application. On 2011-up vehicles with factory frame brackets remove the nuts from the factory bolt plates on the inner side of the frame.
4. **For 2011 & up vehicles:** Take the drivers side mounting bracket and place it on top of the frame. Attach it to the factory double bolt plate using the factory nuts (it may be necessary to loosen the nuts on the opposite side if the frame bracket springs back



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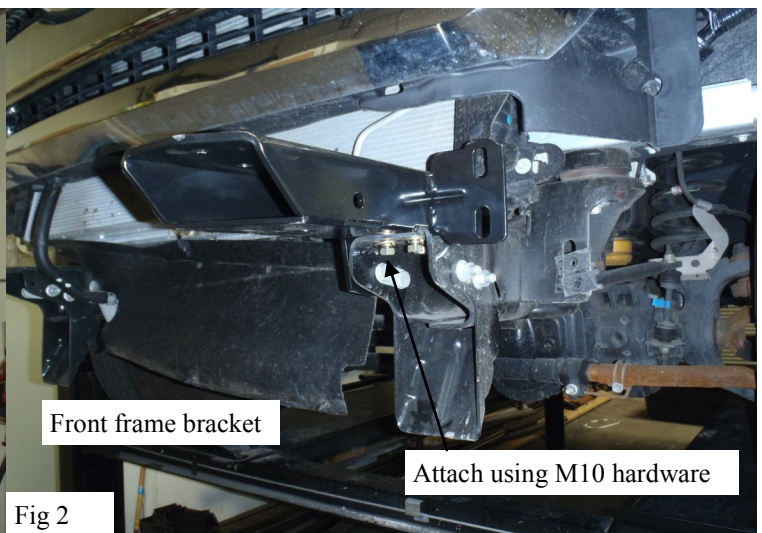
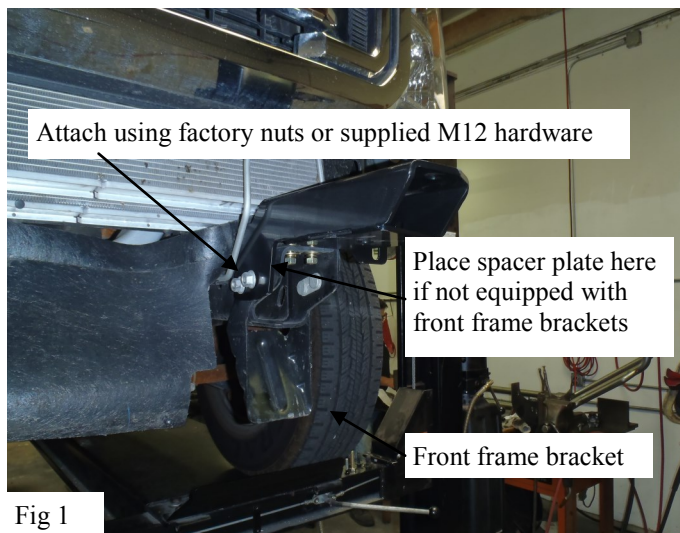
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excessively). Attach the mounting bracket to the tow hook mounting point using (3) M10 hex head bolts, (6) M10 flat washers, (3) M10 lock washers, and (3) M10 hex nuts. Do not fully tighten at this time. NOTE: If your vehicle is not equipped with front frame brackets (1) spacer plate must be placed between the mounting bracket and the inside of the frame. In this case the factory double bolt plate will not be on the vehicle so the mounting bracket must be attached using (2) M12 hex head bolts (4) M12 flat washers, (2) M12 lock washers, and (2) M12 hex nuts. Do not fully tighten at this time. Repeat this step for the passenger side. {Fig 1 & 2}

5. **For 2008—10 vehicles:** Take the drivers side mounting bracket and place it on top of the frame. Attach the mounting bracket to the tow hook mounting point using (3) M10 hex head bolts, (6) M10 flat washers, (3) M10 lock washers, and (3) M10 hex nuts. Attach the bracket to the inner side of the frame using (2) M12 hex head bolts (4) M12 flat washers, (2) M12 lock washers, and (2) M12 hex nuts. No spacers are needed. Do not fully tighten at this time.
6. The bumper may be re-installed at this time. The mounting brackets may need to be reasonably loose in order to allow the bumper to fit over them. The outer tab on the winch tray mounting brackets takes the place of the factory mounting tab on the tow hook. Do not fully tighten at this time.
7. Take the winch tray and set it on top of the installed mounting brackets, attach using (6) M12 hex head bolts, (12) M12 flat washers, (6) M12 lock washers, and (6) M12 hex nuts. Do not fully tighten at this time Fig 3.
8. Align and adjust the bumper and winch tray as needed then fully tighten all hardware at this time. Torque all M10 fasteners to 35-40 ft lbs, and M12 to 45-50 ft lbs. Install the winch per the winch manufacture’s instructions. *If installing a grille guard kit leave all hardware loose until grille guard and spacers have been attached.* NOTE: Many winches must be installed prior to installing the grille guard.
9. To install the Sportsman grille guard on 2011+ vehicles, take the grille guard and align it to the outside of the winch tray, take the (2) thick spacer plates and place them between the grille guard and the winch tray, attach the grille guard to the winch tray using (4) M12x 45mm button head bolts, (8) M12 flat washers, (4) M12 lock washers, and (4) M12 hex nuts. To attach the grille guard to the mounting bracket take (2) 28mm round spacers and place them between the mounting bracket and the grille guard, attach using (2) M12 x 75mm button head bolts, (4) M12 flat washers, (2) M12 lock washers, and (2) M12 hex nuts. Do not fully tighten at this time Fig 4.
10. To install the HDX grille guard on 2011+ vehicles or the Sportsman grille guard on 08-10 vehicles, take the grille guard and align it to the outside of the winch tray, attach the grille guard to the winch tray using (4) M12 x 45mm button head bolts, (8) M12 flat washers, (4) M12 lock washers, and (4) M12 hex nuts. To attach the grille guard to the mounting bracket take (2) 28mm round spacers and place them between the mounting bracket and the grille guard, attach using (2) M12 x 75mm button head bolts, (4) M12 flat washers, (2) M12 lock washers, and (2) M12 hex nuts Fig 5. Do not fully tighten at this time.
11. Align and adjust the grille guard as needed then tighten all hardware at this time. Torque all M10 fasteners to 35-40 ft lbs, and M12 to 45-50 ft lbs.

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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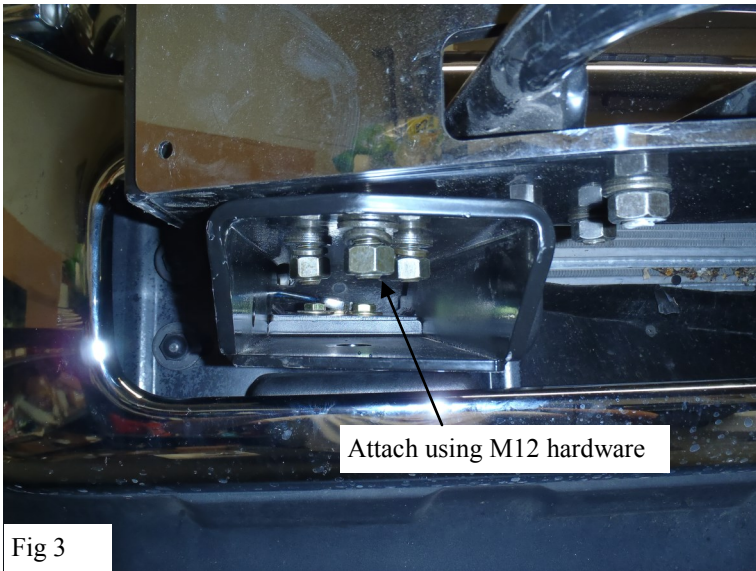


Fig 3

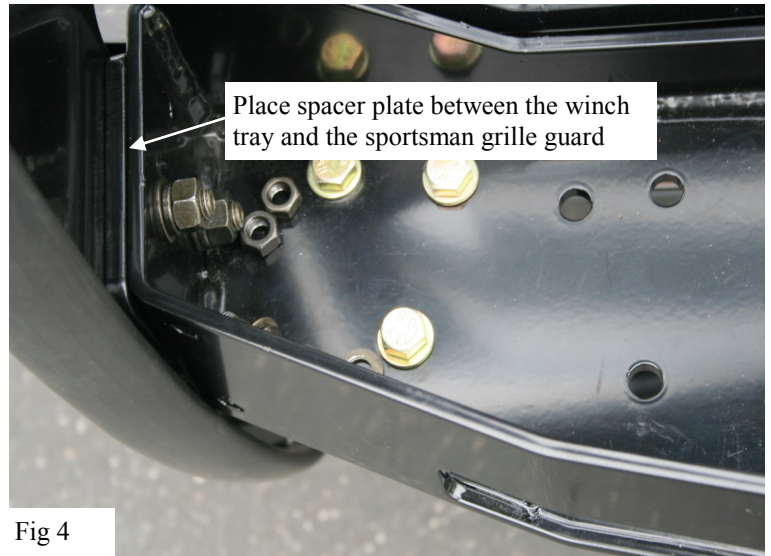


Fig 4

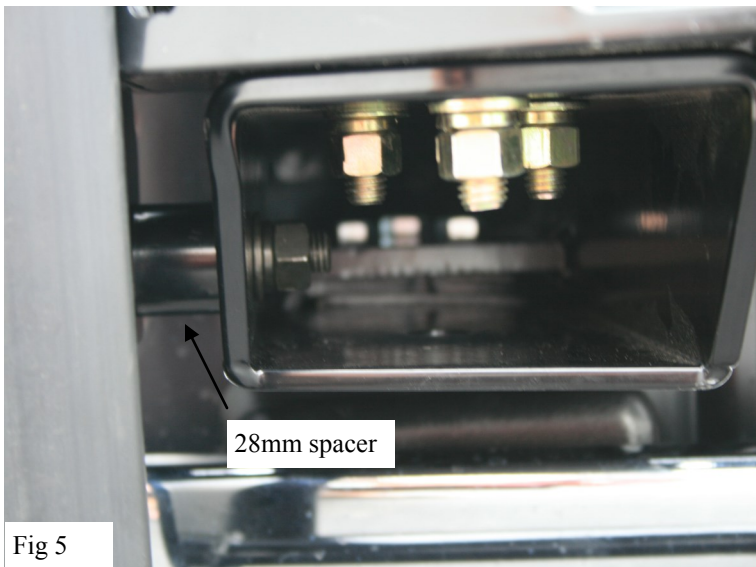


Fig 5



Installation complete, 2012 shown with Sportsman Grille Guard



Installation complete, 2013 shown with HDX Grille Guard



Installation complete, 2010 shown with Sportsman Grille Guard



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