



INSTALLATION INSTRUCTIONS

HDX MODULAR GRILLE GUARD

APPLICATION:
2019-2022 Ford Ranger
PART NUMBER:
57-23985

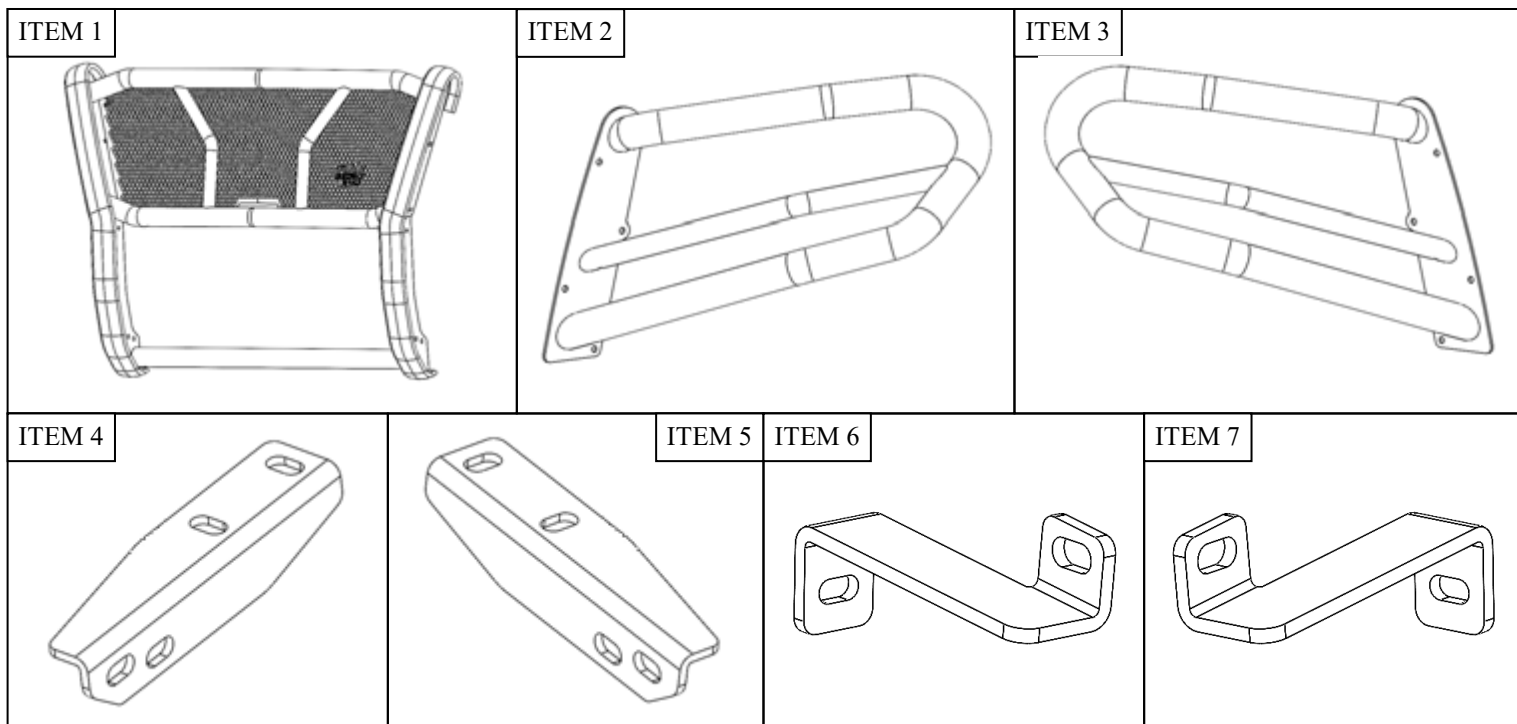
CONTENT			
ITEM	QUANTITY	DESCRIPTION	TOOLS NEEDED
1	1	HDX GRILLE GUARD BASE	10MM SOCKET
2	1	HDX DRIVER WING	13MM SOCKET
3	1	HDX PASSENGER WING	13MM WRENCH
4	1	LOWER DRIVER MOUNTING BRACKET	17MM SOCKET
5	1	LOWER PASSENGER MOUNTING BRACKET	17MM WRENCH
6	1	TOP DRIVER MOUNTING BRACKET	19MM SOCKET
7	1	TOP PASSENGER MOUNTING BRACKET	18MM WRENCH
8	1	M6 SERATED FLANGE HEX NUT (<i>YELLOW ZINC</i>)	ALLEN WRENCH
9	2	M8 HEX HEAD BOLT (<i>YELLOW ZINC</i>)	RATCHET
10	2	M8 SPLIT LOCK WASHER (<i>YELLOW ZINC</i>)	TORQUE WRENCH
11	4	M12 HEX HEAD CAP SCREW (<i>YELLOW ZINC</i>)	
12	4	M12 SPLIT LOCK WASHER (<i>YELLOW ZINC</i>)	
13	4	M12 FLAT WASHER (<i>YELLOW ZINC</i>)	
14	1	M6 BUTTON HEAD BOLT (<i>BLACK ZINC</i>)	
15	1	M6 FLAT WASHER (<i>BLACK ZINC</i>)	
16	2	M10 BUTTON HEAD BOLT (<i>BLACK ZINC</i>)	
17	2	M10 SERRATED BELLVILLE WASHER (<i>BLACK ZINC</i>)	
18	2	M10 SERRATED FLANGE NUT (<i>BLACK ZINC</i>)	
19	4	M12 BUTTON HEAD BOLT (<i>BLACK ZINC</i>)	
20	4	M12 SERRATED BELLVILLE WASHER (<i>BLACK ZINC</i>)	
21	4	M12 SERRATED FLANGE NUT (<i>BLACK ZINC</i>)	
22	2	M12 NUT PLATE	
23	2	M8 FLAT WASHER (<i>YELLOW ZINC</i>)	
24	1	M6 LOCK WASHER (<i>BLACK ZINC</i>)	
25	8	M8 HEX SOCKET BUTTON HEAD BOLT (<i>BLACK ZINC</i>)	
26	8	M8 BELLVILLE WASHER (<i>BLACK ZINC</i>)	
27	8	M8 SERRATED FLANGE NUT (<i>BLACK ZINC</i>)	
ANTI-SEIZE LUBRICANT MUST BE USED ON ALL STAINLESS STEEL FASTENERS TO PREVENT THREAD DAMAGE AND GALLING			



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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 any claim.
2. Remove the five lower clips found under the front end of the bumper. See **Figure 1** for reference.
3. Carefully remove the front bumper cover by pulling from the bottom up. See **Figure 2** for reference.

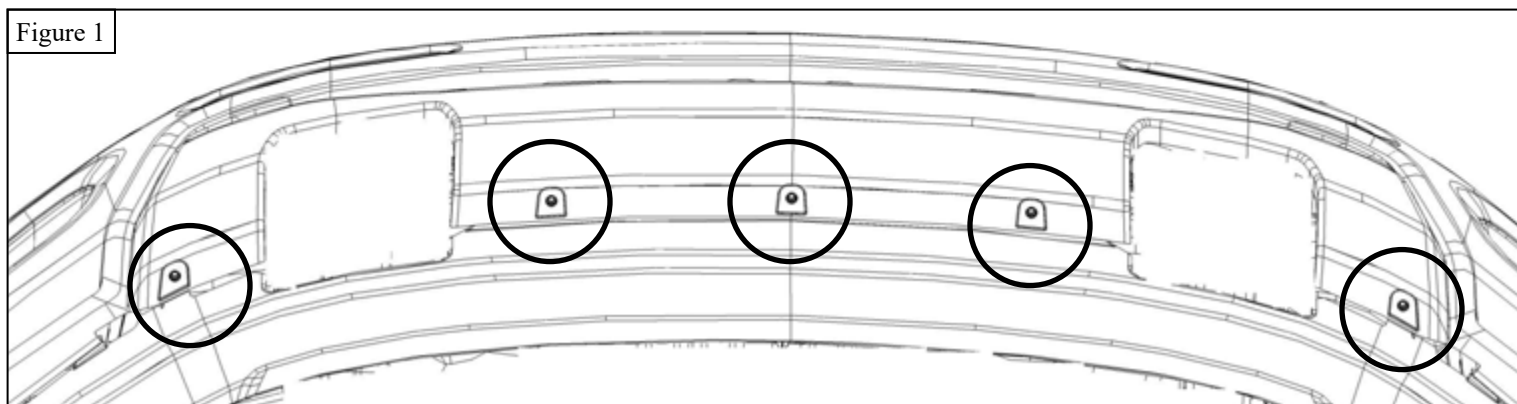


Figure 2



4. With the now exposed bumper plate, unbolt the bumper. See **Figure 3** for reference.
5. Unplug any wiring connections from the factory bumper. See **Figure 4** for reference.
6. Carefully remove the OEM bumper. **Note:** Assistance may be needed removing the OEM bumper to avoid any damage.

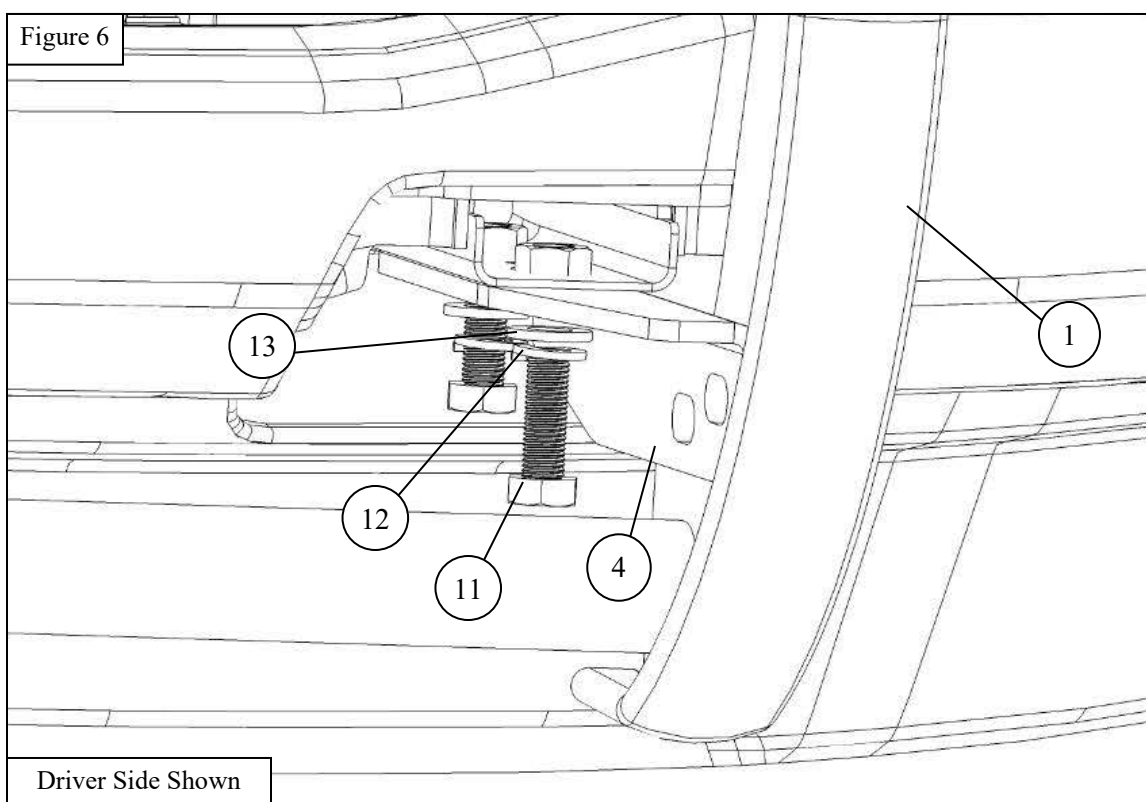
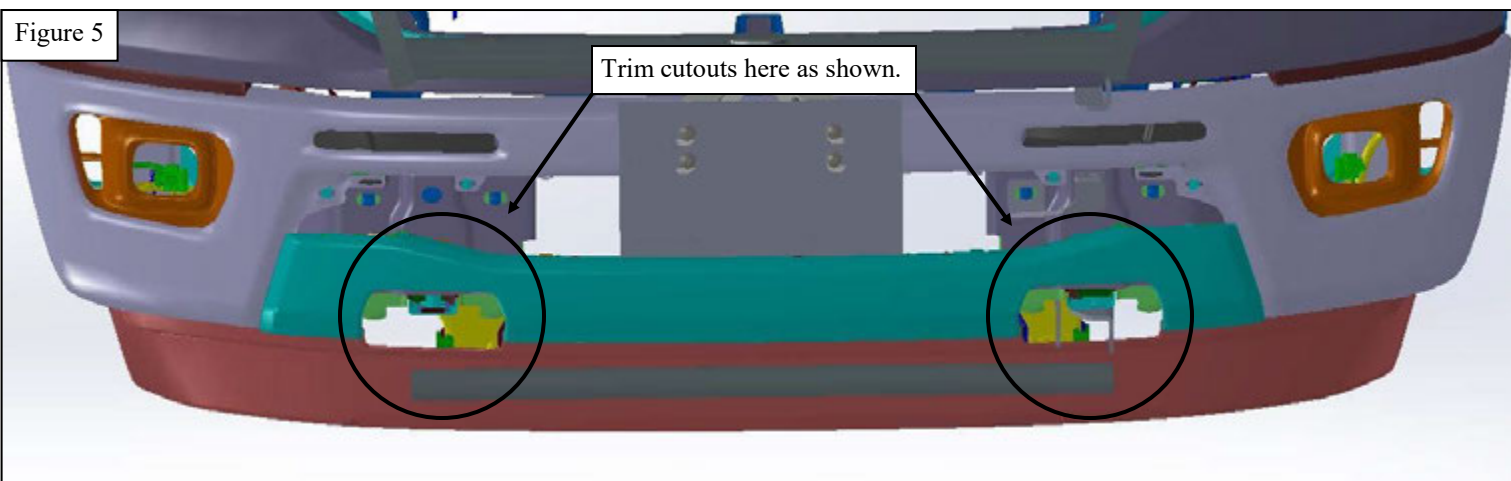
Figure 3



Figure 4



7. If equipped, remove the factory tow hooks. **Note:** *Factory tow hooks will not be reused.*
8. Locate and loosely install the lower mounting brackets (Items 4 & 5) to the vehicle using the supplied M12 hardware.
9. If the tow hooks are not equipped, follow these instructions:
 - A. Using a cutting tool, cut out the tow hook cover panels. See **Figure 5** for reference.
 - B. Use the supplied nut plate (Item 22) and the supplied M12 hardware to install the lower brackets. See **Figure 6** for reference.



10. Loosely install the upper mounting brackets onto the indicated locations on the bumper using the supplied M8 hardware (Items 9, 10, & 23) or the previously removed factory hardware. See **Figures 7 & 8** for reference.

A. Measure the distance between the upper brackets. Make sure it is 33 1/2 inches.

B. Torque the M8 bolts to 18 ft-lbs.

C. Re-install the factory bumper.

Figure 7

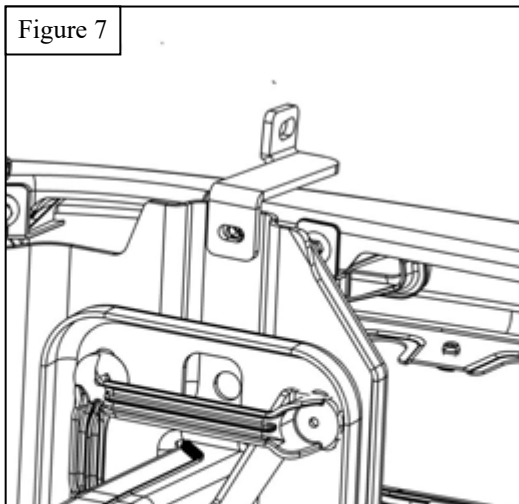
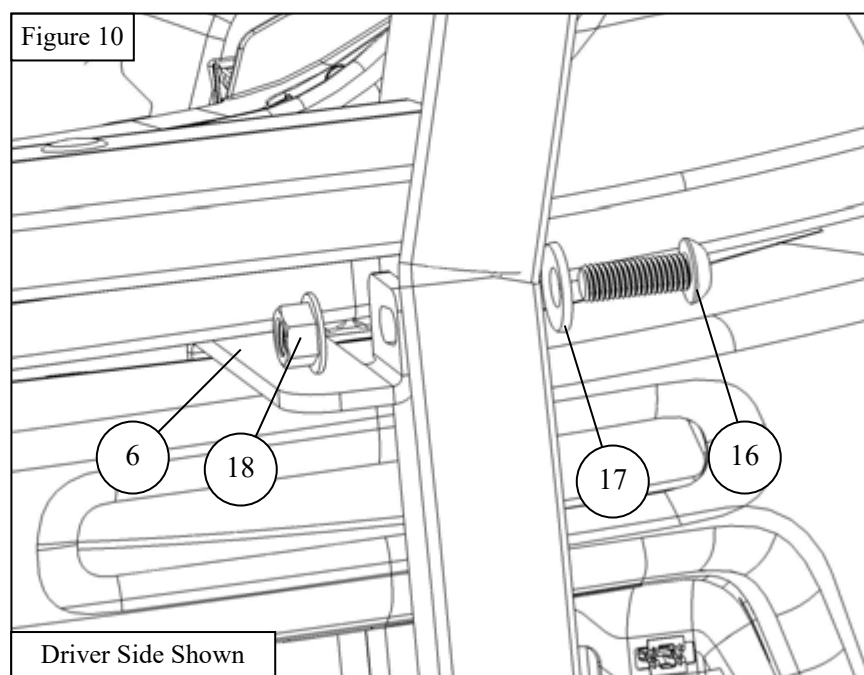
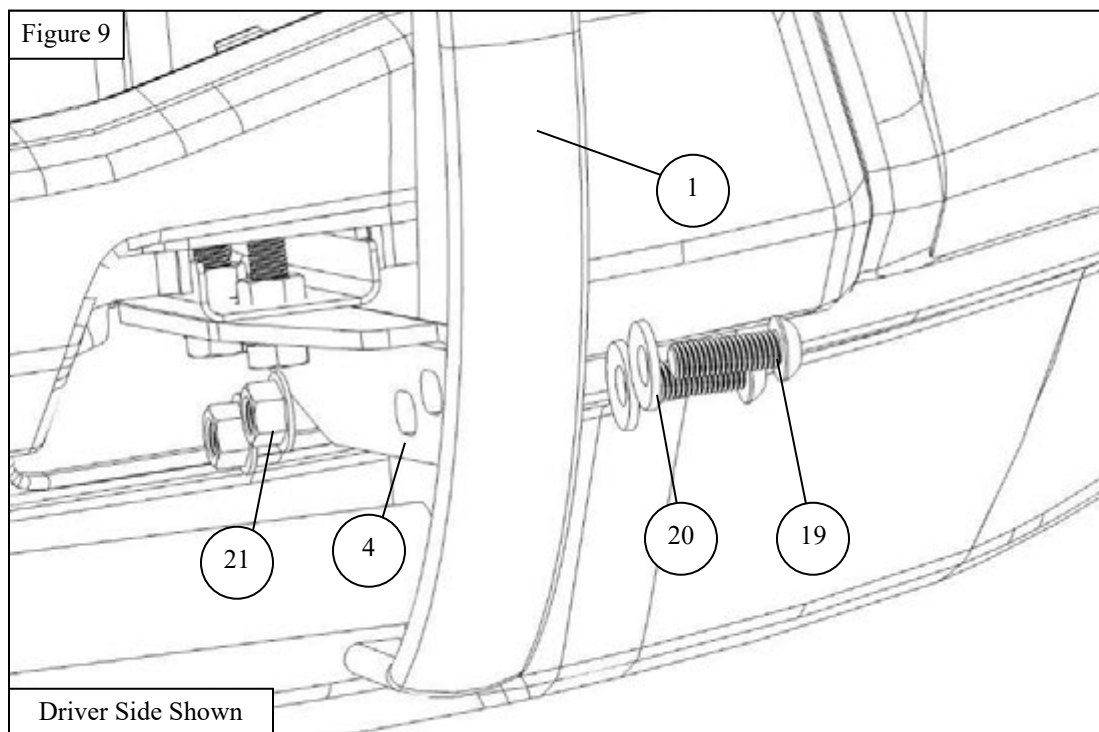


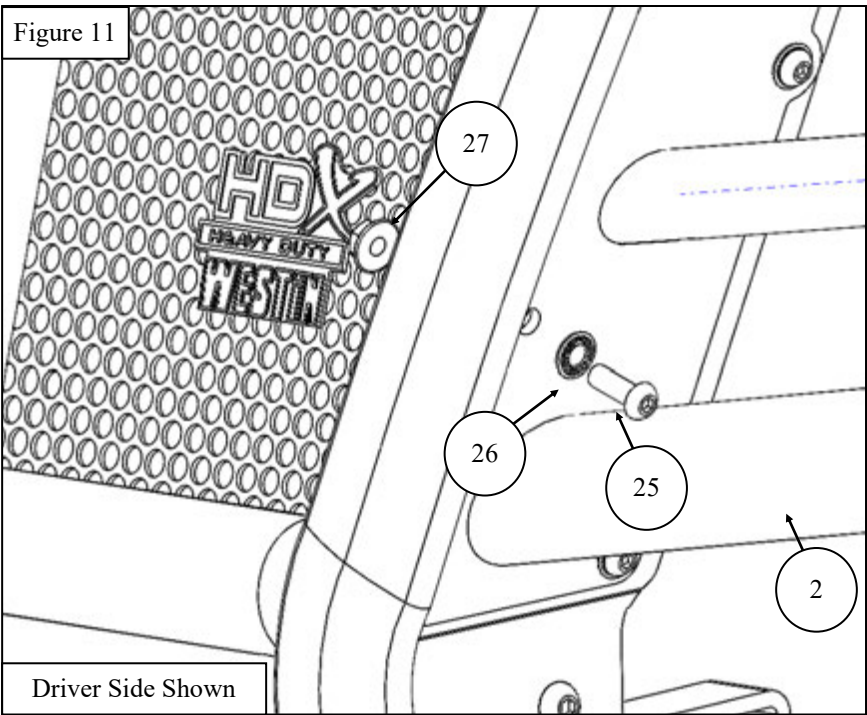
Figure 8



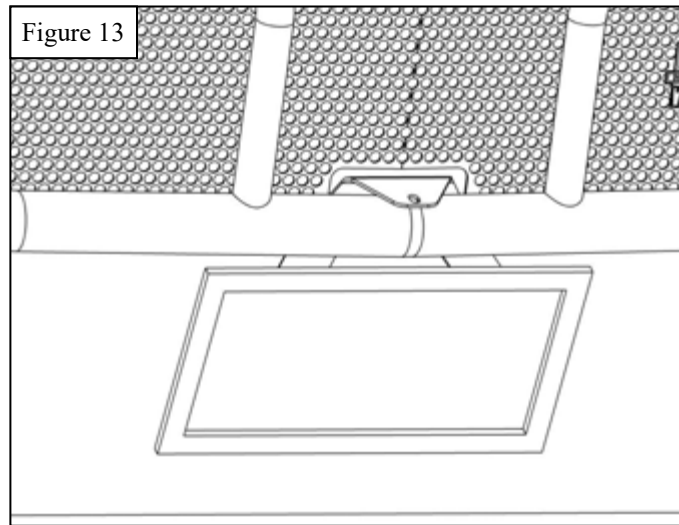
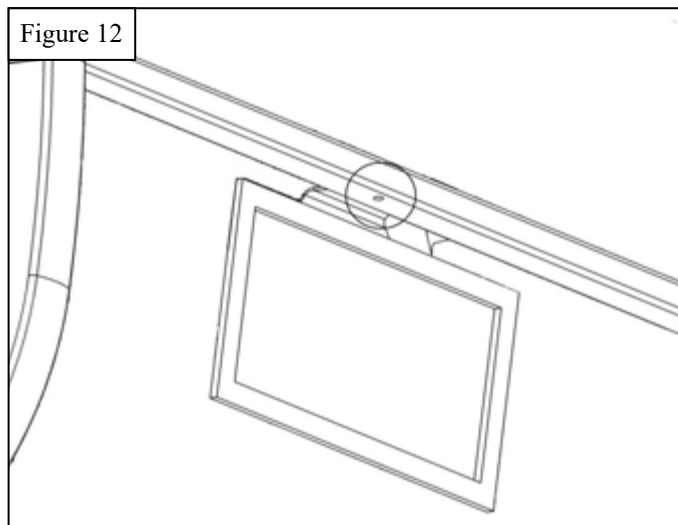
11. With assistance hold the Grille Guard Base (Item 1) up to the previously installed mounting brackets. Loosely attach the Grille Guard Base to the brackets using the supplied M10 & M12 hardware. See **Figures 9 & 10** for reference.



12. Locate and mount the HDX Driver Wing (Item 2) to the Grille Guard Base using the supplied M8 Hardware (Items 25-27). See **Figure 11** for reference.
13. Repeat for the HDX Passenger Wing (Item 3).
14. Align and adjust the Grille Guard Base, HDX Wings, and mounting brackets as necessary. Tighten and torque the M8 hardware to 16-18 ft-lbs., M10 hardware to 30-35 ft-lbs., and the M12 hardware to 50-55 ft-lbs.



15. Use M6 hardware (Items 14, 15, & 24) to mount license plate with license plate relocater (PN 32-0055). **Note:** Reference IS 75-0376.



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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WARNING



Failure to follow these instructions could lead to death, personal injury, and / or property damage.

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FASTENERS:

All Westin supplied fasteners must be utilized and installed in accordance with the installation instructions and apply torque to the specifications as defined. **DOUBLE CHECK ALL FASTENERS BEFORE INITIAL USE, AND PERIODICALLY IN THE FUTURE TO ENSURE PROPER FUNCTION AND SAFETY.**

DRILLING:

Most Westin products do not require drilling for installation. If drilling is defined as required, use caution when drilling a vehicle. **FAILURE TO REVIEW AN AREA TO BE DRILLED MAY RESULT IN PERSONAL INJURY AND/OR INJURY TO OTHERS AS WELL AS VEHICLE DAMAGE.**

EYE PROTECTION:

ALWAYS WEAR SAFETY GLASSES OR GOGGLES DURING THE INSTALLATION PROCESS TO AVOID PERSONAL INJURY.

MAXIMUM TOWING/CARRYING CAPACITY: (if applicable)

The Westin Receiver Hitches will have a visible tow rating label affixed directly on the product. User should never exceed the vehicle manufacturers maximum tow and weight rating regardless of the capacity of the hitch. **FAILURE TO FOLLOW THESE GUIDELINES WILL VOID THE WESTIN WARRANTY AND MAY RESULT IN PERSONAL INJURY AND/OR INJURY TO OTHERS AS WELL AS VEHICLE DAMAGE.**

FOR CALIFORNIA RESIDENTS ONLY-PROP 65 WARNING:

Some products may contain chemicals such as DEHP, which can cause cancer, birth defects or other reproductive harm. For more info go to www.p65warnings.ca.gov



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