

INSTALLATION INSTRUCTIONS

HDX Bandit Front Bumper

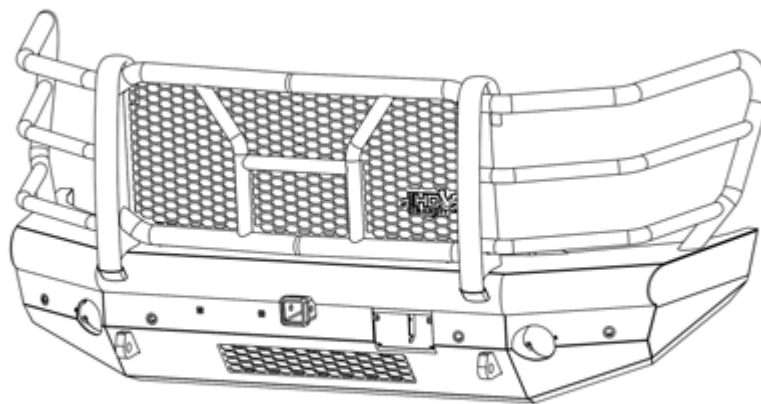


APPLICATION:
2024 and Up F-150 (Excl. Raptor)

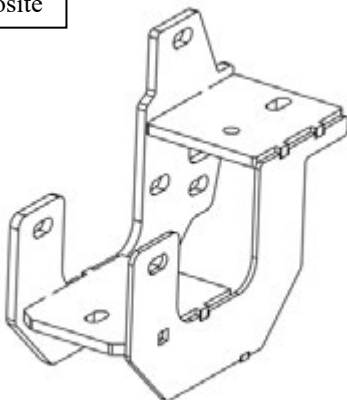
PART NUMBER:
58-31225

CONTENT			
ITEM	QUANTITY	DESCRIPTION	TOOLS REQUIRED
1	1	HDX BANDIT FRONT BUMPER	TORQUE WRENCH
2	1	DRIVER MOUNTING BRACKET	RATCHET
3	1	PASSENGER MOUNTING BRACKET	21MM SOCKET
4	4	SPACER PLATE	18MM SOCKET
5	1	DRIVER SUPPORT BRACKET	18MM WRENCH
6	1	PASSENGER SUPPORT BRACKET	10MM SOCKET
7	4	PARKING SENSOR BRACKET	10MM WRENCH
8	1	DRIVER ACC BRACKET	8MM WRENCH
9	1	PASSENGER ACC BRACKET	3MM HEX TOOL
10	4	PARKING SENSOR PLUG	PLASTIC PRY TOOL
11	2	M12 DOUBLE NUT PLATE	FLOOR JACK
12	4	PARKING SENSOR EXTENSION CABLE	PHILLIPS SCREW DRIVER
13	1	ACC COVER	
14	2	LONG M12 HEX HEAD BOLT (YELLOW ZINC)	ZIP TIES
15	20	M12 SPLIT LOCK WASHER (YELLOW ZINC)	
16	18	SHORT M12 HEX HEAD BOLT (YELLOW ZINC)	
17	16	M12 HEX NUT (YELLOW ZINC)	
18	36	M12 FLAT WASHER (YELLOW ZINC)	
19	2	LONG M6 HEX HEAD BOLT (YELLOW ZINC)	
20	8	SHORT M6 HEX HEAD BOLT (YELLOW ZINC)	
21	24	M6 FLAT WASHER (YELLOW ZINC)	
22	8	M6 SPLIT LOCK WASHER (YELLOW ZINC)	
23	8	M6 HEX NUT (YELLOW ZINC)	
24	6	M6 NYLON LOCK NUT (YELLOW ZINC)	
25	2	LICENSE PLATE CLIP	
26	4	M6 ROUND HEAD SQUARE NECK BOLT (BLACK ZINC)	
27	4	M5 BUTTON HEAD BOLT (BLACK ZINC)	
28	8	M5 FLAT WASHER (BLACK ZINC)	
29	4	M5 NYLON LOCK NUT (BLACK ZINC)	
ANTI-SEIZE LUBRICANT MUST BE USED ON ALL STAINLESS STEEL FASTENERS TO PREVENT THREAD DAMAGE AND GALLING			

ITEM 1



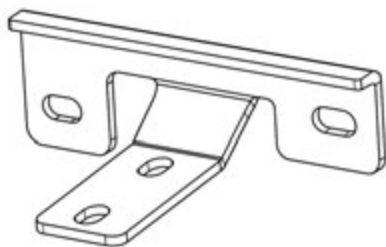
ITEM 2 - Passenger Side Opposite



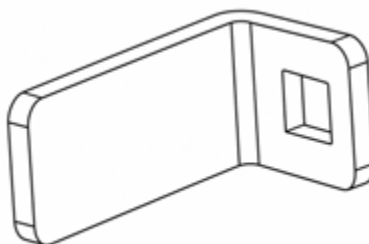
ITEM 4



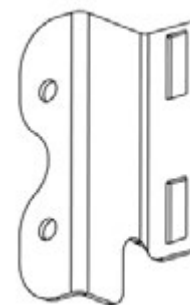
ITEM 5 - Passenger Side Opposite



ITEM 7



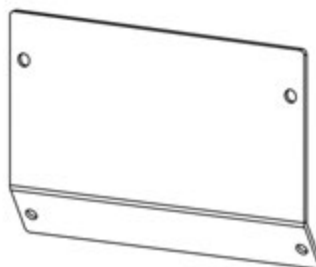
ITEM 8 - Passenger Side Opposite



ITEM 10



ITEM 13


WESTIN

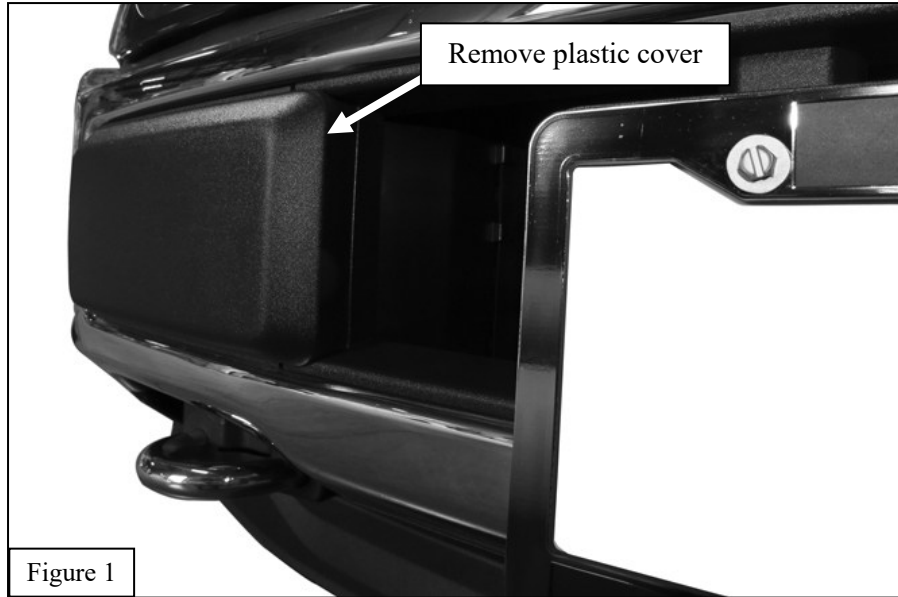
Westin Automotive Products, Inc.
320 W. Covina Blvd
San Dimas, Ca. 91773

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.

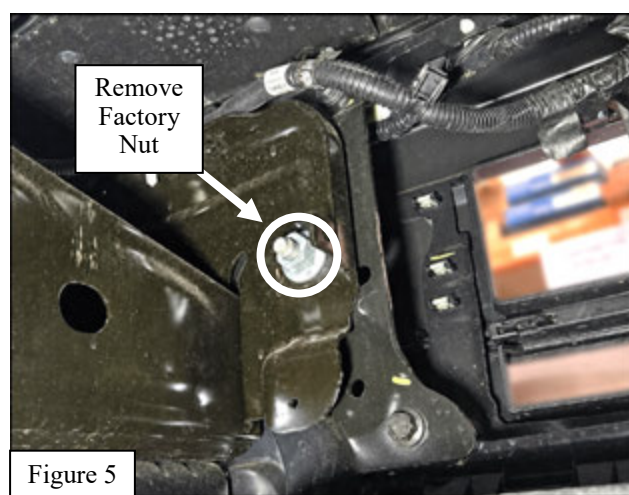
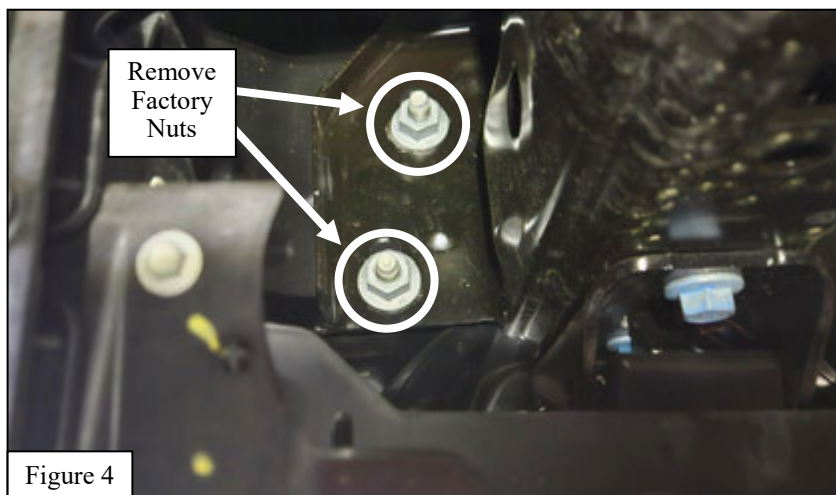
2. On each side, remove the plastic cover shown in **Figure 1**.
- Pry the cover away from the OEM Bumper to release the clips.
 - Use a **Plastic Pry Tool**.



3. Disconnect the OEM Bumper Wiring Harness located inside the OEM Bumper. The connector is on top of the Passenger Side Frame Rail. See **Figures 2 and 3**.

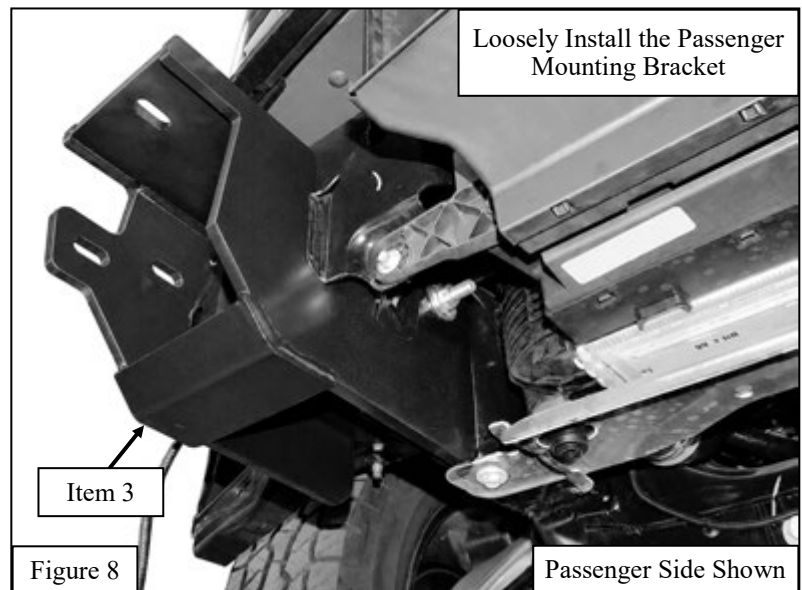
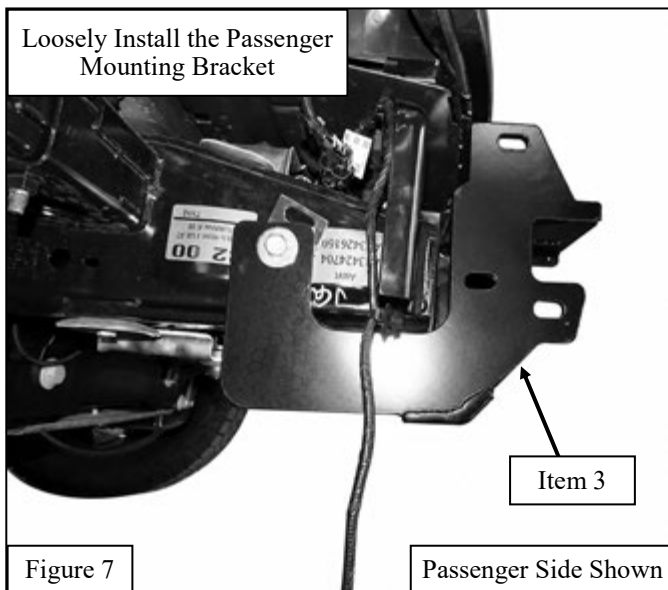
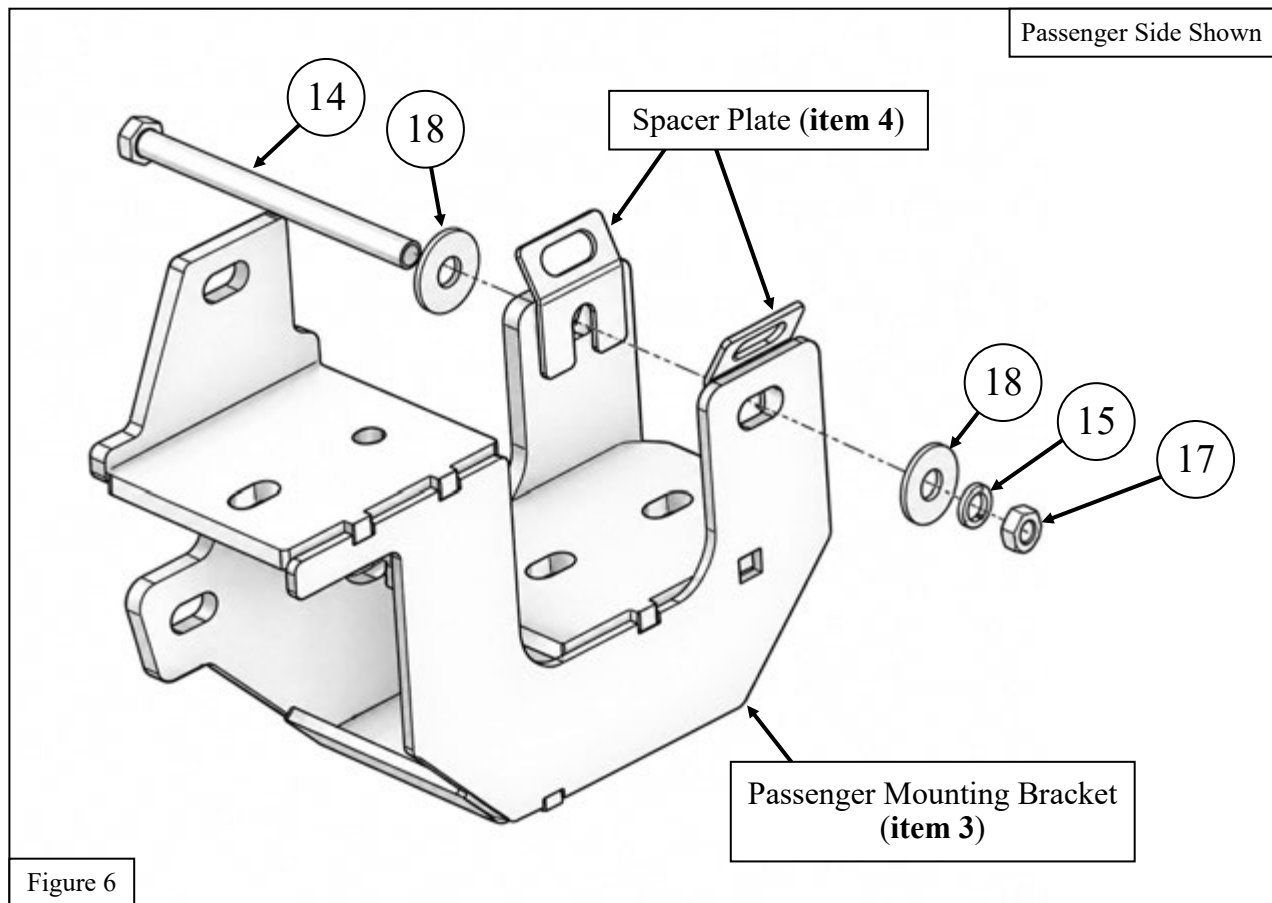


4. Remove the OEM Bumper.
- Remove all (6) factory nuts on the inside of the bumper. See **Figures 4 and 5**. Use a **21 mm Socket and Ratchet**.
 - Remove the bumper from the vehicle, lifting and pulling the bumper away from the frame.

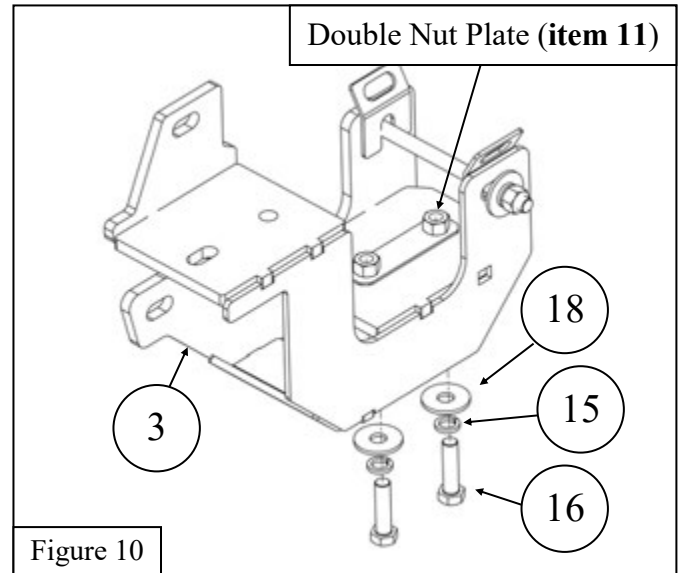
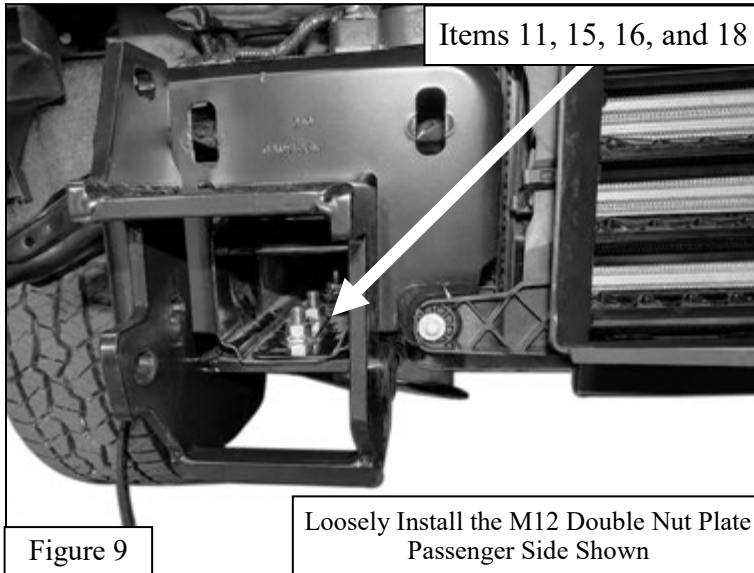


5. Remove the factory tow hooks. They will not be reused.

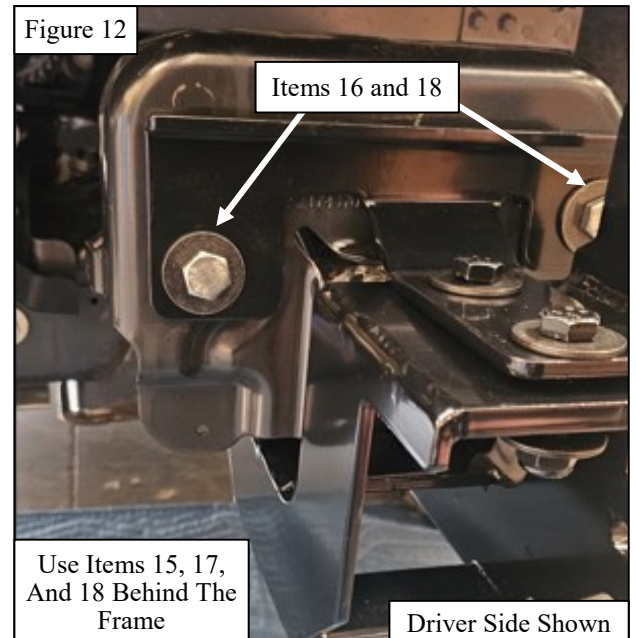
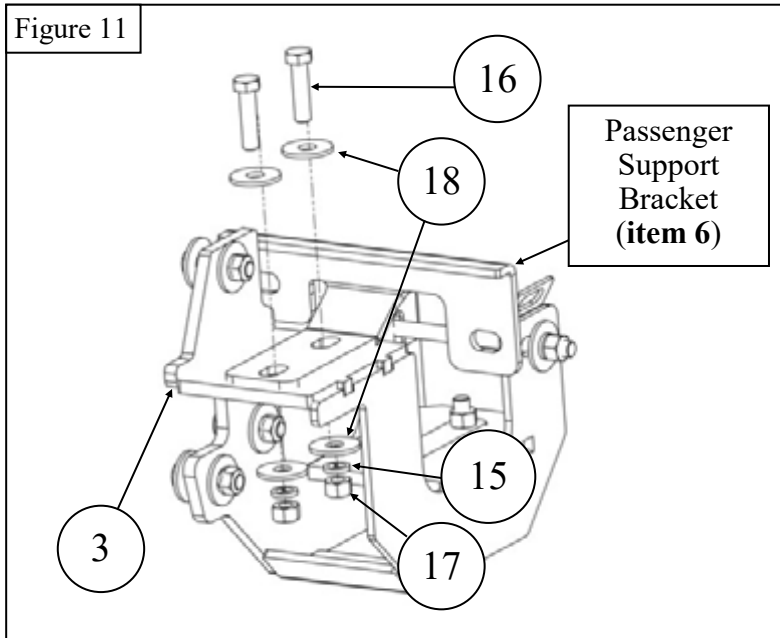
6. Loosely install the Passenger Mounting Bracket (**item 3**) using the M12 hardware (**items 14, 15, 17, 18**) and Spacer Plates (**item 4**). Slide the bracket over the end of the Passenger Side Frame Rail. Insert (1) Long M12 Hex Bolt with (1) M12 Flat Washer through the outside of the mounting bracket, the frame rail, and inside of the mounting bracket. Secure with (1) M12 Flat Washer, (1) M12 Split Lock Washer, and (1) M12 Hex Nut. Insert (1) Spacer Plate on each side of the frame rail, between the mounting bracket and frame rail. See **Figures 6-8**.



7. Loosely install (1) M12 Double Nut Plate (**item 11**) inside the Passenger Side Frame Rail.
 - Insert the M12 Double Nut Plate into the open end of the frame rail.
 - Loosely attach the Passenger Mounting Bracket (**item 3**) to the frame rail and M12 Double Nut Plate using the M12 hardware (**items 15, 16, 18**). See **Figures 9 and 10**.



8. Loosely install the Passenger Support Bracket (**item 6**) using the M12 hardware (**items 15-18**). See **Figures 11 and 12**.
9. Repeat **Steps 6-8** on the driver side of the vehicle using the Driver Mounting Bracket (**item 2**) and Driver Support Bracket (**item 5**).



Light Installation

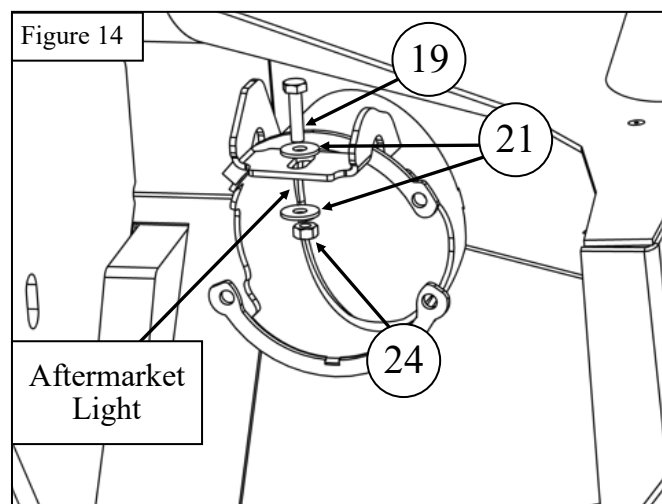
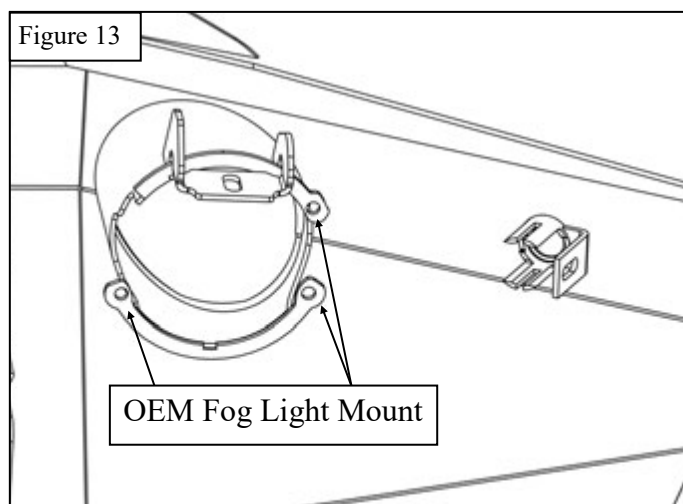
10. Optional Fog Light Installation

OEM Fog Lights:

- Remove the Fog Lights from the OEM Bumper.
- Loosely install the Driver OEM Fog Light using the M6 hardware (items 20, 21, and 24). See Figure 13. Use a **10 mm Socket, 10 mm Wrench, and Ratchet.**
- Repeat on the passenger side.

Aftermarket Lights (Not Included):

- Remove the Fog Lights from the OEM Bumper.
- Loosely install the Aftermarket Light using the M6 hardware (items 19, 21, and 24). See Figure 14. Use a **10 mm Socket, 10 mm Wrench, and Ratchet.**
- Repeat on the passenger side.



Adaptive Cruise Control (ACC) Sensor Installation

Skip To Step 13 if ACC Sensor Is Not Equipped

11. If equipped, remove the Active Cruise Control (ACC) Sensor from the OEM Bumper. It is located behind the driver side plastic cover. See **Figures 1 and 15**.
 - Disconnect the sensor from the OEM Bumper Wiring Harness. Press the locking tab on the sensor connector and pull the connector away from the sensor.
 - Remove the sensor from the bumper by removing the bolts attaching it to the bumper.
12. Using the Driver and Passenger ACC Brackets (**items 8 and 9**) and provided M6 hardware (**items 20-23**), attach the ACC sensor to the HDX Bandit Front Bumper (**item 1**). The ACC sensor will be installed on the driver side of the bumper. See **Figures 16 and 17**.

Figure 15

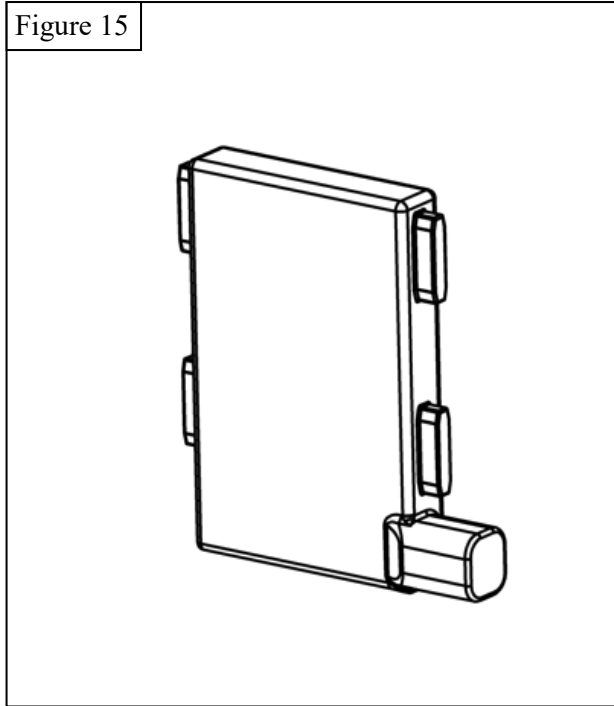


Figure 16

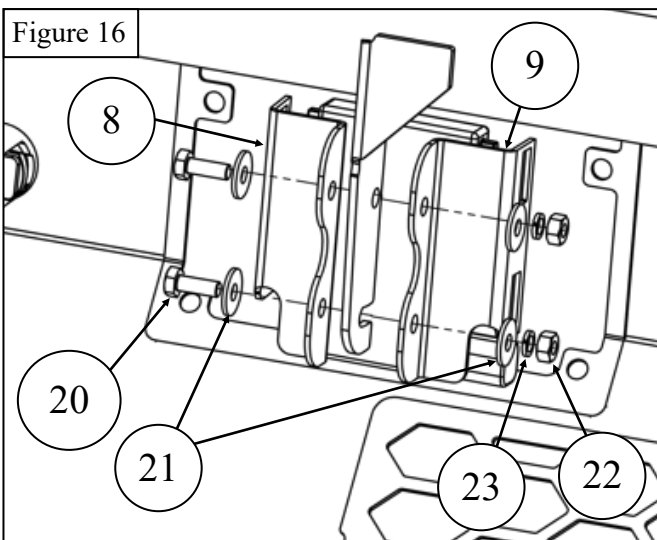
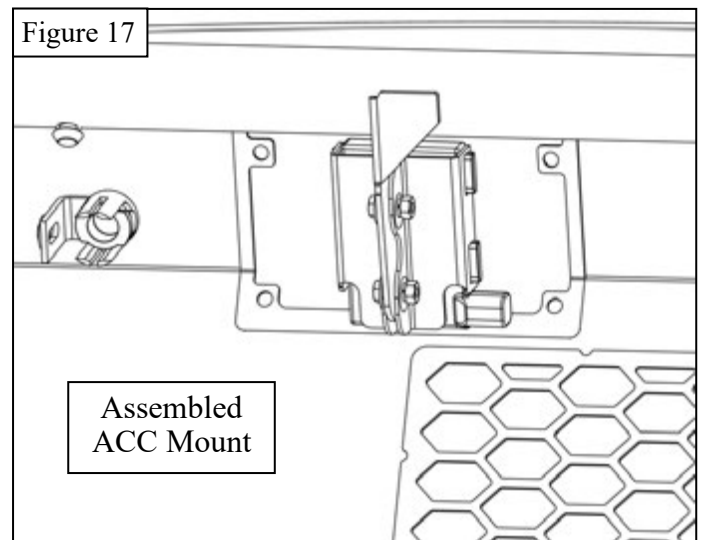
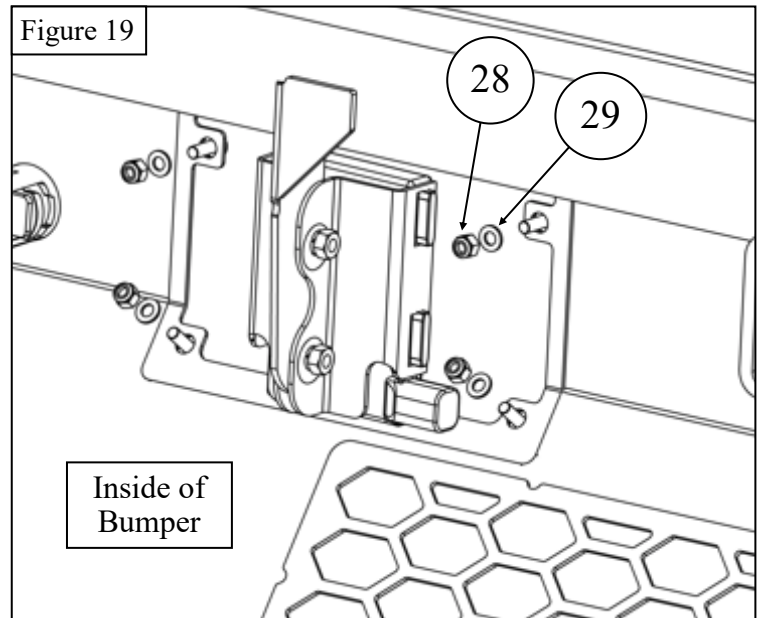
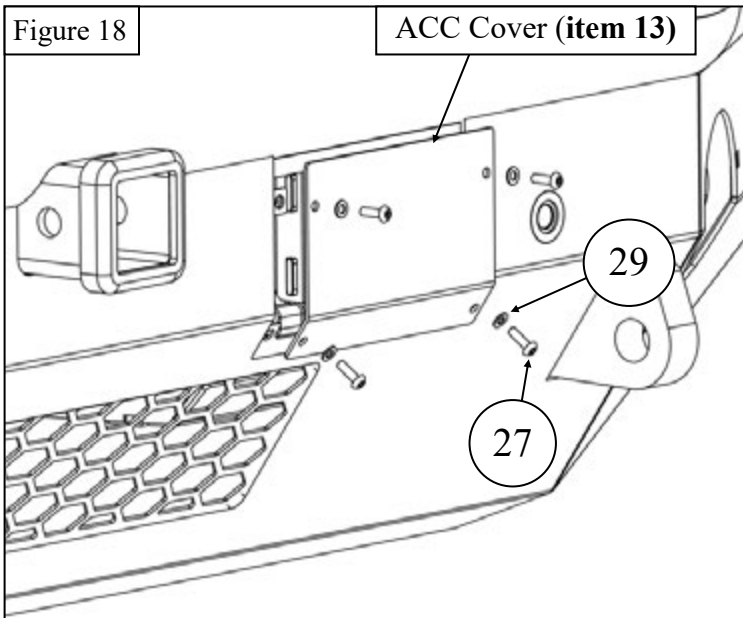


Figure 17



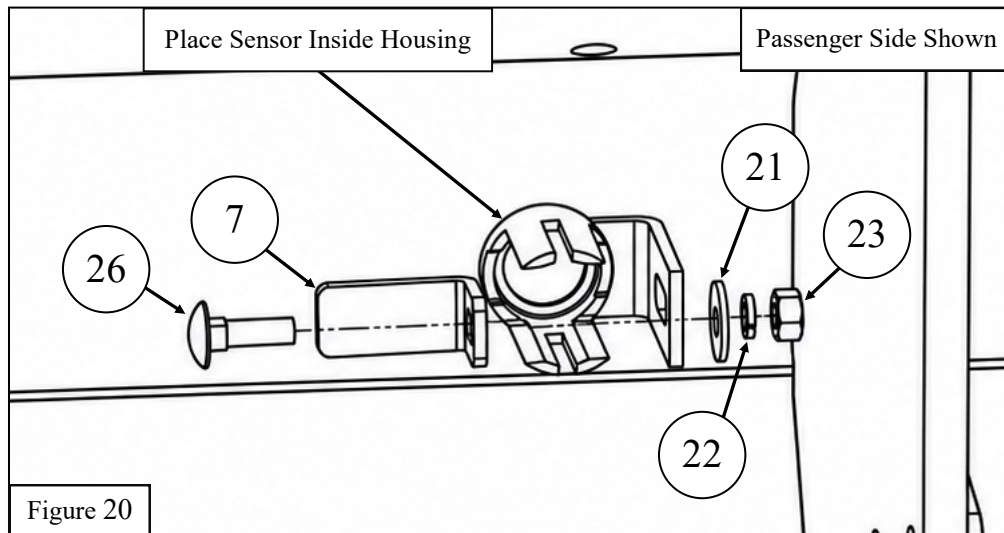
13. Loosely install the ACC Cover (**item 13**) to the front of the HDX Bandit Front Bumper (**item 1**) using the supplied M5 hardware (**items 27-29**). See **Figures 18 and 19**. Use a **3 mm Hex Tool** and an **8 mm Wrench**.
14. Align and adjust the ACC sensor, cover, and brackets as needed. Tighten and torque the M5 hardware (**items 27-29**) to 48-52 in-lb. Use a **3 mm Hex Tool** and an **8 mm Wrench**.



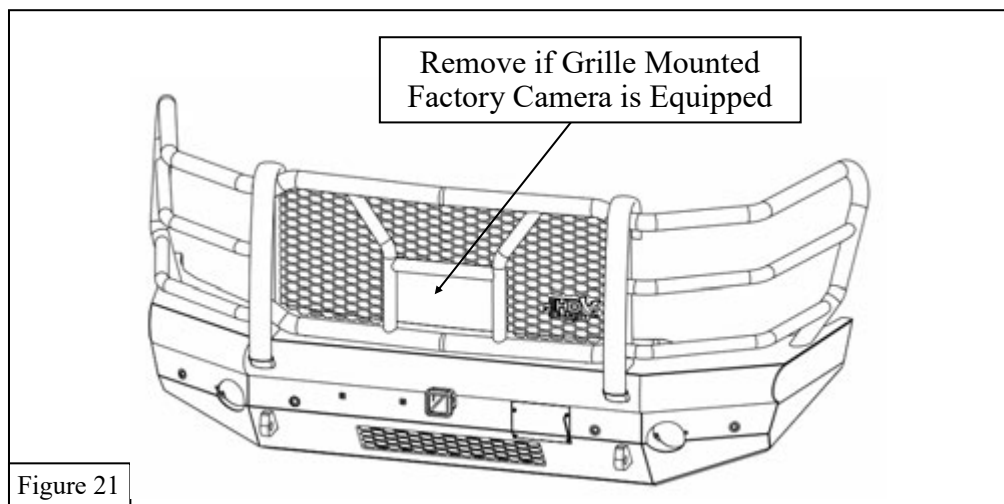
Front Parking Sensor Installation

Skip To Step 18 If Front Parking Sensors Are Not Equipped

15. If equipped, remove the Parking Sensors from the OEM Bumper. Release the sensors from the OEM Bumper Wiring Harness by pulling the locking tab away from the sensor and pressing down on the tab. Pull the sensor while pressing on the tab.
16. Loosely install the Parking Sensor Brackets (**item 7**) inside the HDX Bandit Front Bumper using the M6 hardware (**items 21, 22, 23, 26**). See **Figure 20**.
17. Install the parking sensors in the bumper. For each parking sensor:
 - Make sure the factory sensor grommet is in place before installing. The factory grommet should surround the part of the sensor that will be placed in the bumper sensor housing.
 - Place each sensor in a parking sensor housing and center it in the hole.
 - Hold the sensor in place, pressing the parking sensor bracket against the back of the parking sensor. Tighten the M6 hardware to 7-8 ft-lbs. See **Figure 20**.

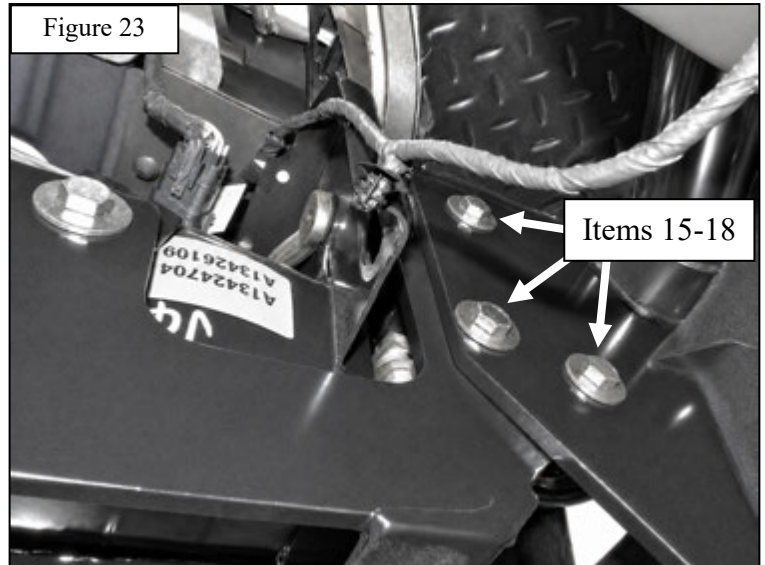
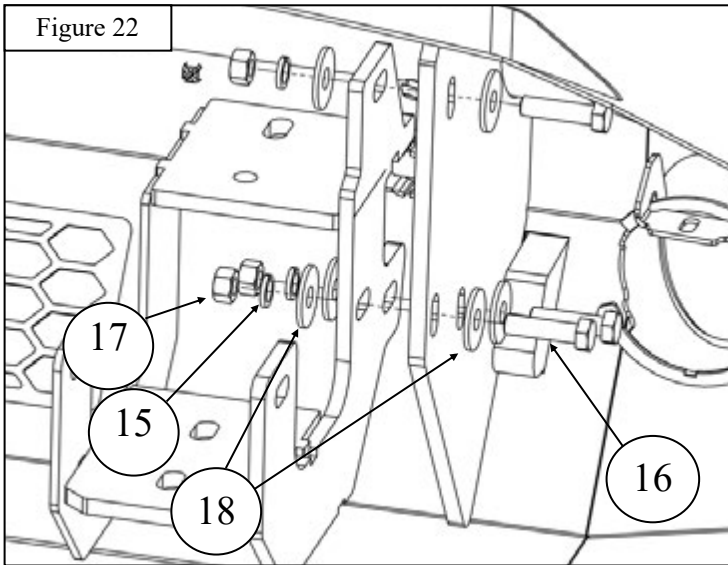


18. If grille mounted factory camera is equipped, remove the camera view panel. See **Figure 21**.



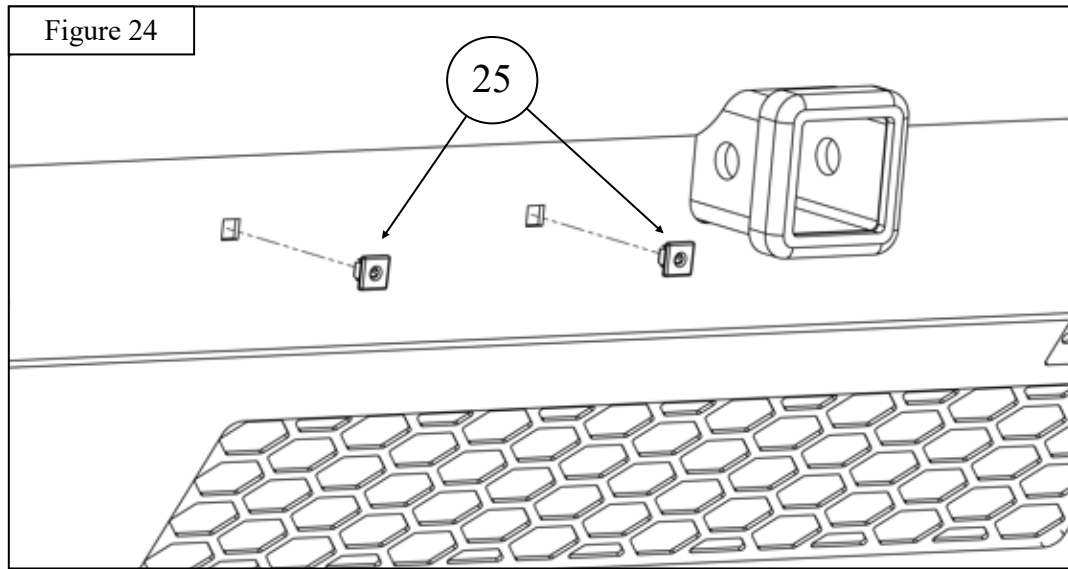
CAUTION: The HDX Bandit Front Bumper Is Heavy And Difficult To Handle Make Sure The HDX Bumper Is Fully And Safely Supported While Installing

19. Using a **Floor Jack**, raise the HDX Bandit Front Bumper (**item 1**) into position onto the outsides of the Mounting Brackets (**items 2 and 3**).
20. Loosely attach the HDX bumper to the Mounting Brackets (**items 2 and 3**) using the M12 hardware (**items 15-18**). See **Figures 22 and 23**.



21. Level, adjust, and align the HDX Bandit Front Bumper, brackets, and lights as needed.
22. **Tighten and torque all hardware to the specifications below. Use a Torque Wrench, Ratchet, 18 mm Socket, 18 mm Wrench, 10 mm Socket, and 10 mm Wrench.**
 - M12 hardware (**items 11, 14-18**) to 60-65 ft-lbs.
 - M6 hardware (**items 19-24 and 26**) to 84-96 in-lbs.
23. Remove the OEM Bumper Wiring Harness from the OEM Bumper.
24. Loosely install the wiring harness inside the HDX bumper.
 - Place the end of the wiring harness on top of the Passenger Side Frame Rail. See **Figures 2 and 3**.
 - Route the harness over the Driver and Passenger Mounting Brackets (**items 2 and 3**).
25. Connect applicable sensors and lights to the wiring harness.
 - Parking Sensors: Connect the Parking Sensor Extension Cables (**item 12**) to the wiring harness where the parking sensors were disconnected. Connect each extension cable to the nearest parking sensor. Match each sensor to its original position on the wiring harness, as removed in **Step 15**.
 - Lights: Reconnect OEM Fog Lights to the wiring harness or wire aftermarket lights to the to the wiring harness.
 - Reconnect the Active Cruise Control (ACC) Sensor to the wiring harness.
26. Reconnect the wiring harness to the vehicle.
27. Fasten the wiring harness to the HDX bumper using zip ties.

28. If installing a front license plate, use the License Plate Clips (**item 25**) and factory license plate screws to attach the front license plate to the HDX Bandit Front Bumper (**item 1**). See **Figure 24**. Use a **Phillips Screwdriver**.



INSTALLATION COMPLETE



CARE INSTRUCTIONS

- TEXTURE BLACK FINISHES SHOULD BE CLEANED WITH MILD SOAP AND WATER ONLY (DO NOT WAX).
- GLOSS BLACK FINISHES SHOULD BE CLEAN WITH MILD SOAP AND WATER.
- POLISHED STAINLESS PRODUCTS SHOULD BE CLEANED WITH MILD SOAP AND WATER. STAINLESS STEEL POLISH MAY BE USED TO REMOVE SMALL SCRATCHES.
- REGULAR WAXING IS RECOMMENDED FOR GLOSS BLACK AND STAINLESS STEEL PRODUCTS. DO NOT USE WAX THAT MAY CONTAIN ABRASIVES.

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for additional installation assistance please call
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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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