# INSTALLATION INSTRUCTIONS

**CONTOUR LED BULL BAR**

**APPLICATION:**
2009-2018 Dodge Ram 1500

**PART NUMBER:**
32-31050-L & 32-31055-T-L

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<th>ITEM</th>
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<td>2</td>
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<td>M12 SPLIT LOCK WASHER (BLACK ZINC/STAINLESS STEEL)</td>
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<tr>
<td>27</td>
<td>4</td>
<td>M12 HEX NUT (BLACK ZINC/STAINLESS STEEL)</td>
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ANTI-SEIZE LUBRICANT MUST BE USED ON ALL STAINLESS STEEL FASTENERS TO PREVENT THREAD DAMAGE AND GALLING

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Westin Automotive Products, Inc.
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Thank you for choosing Westin products for additional installation assistance please call Customer Service (800) 793-7846 www.westinautomotive.com

DATE: 12/05/2017

P.N.: 75-1073-RevB ECO #: W17-0088
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. **2009 - 2012 Models without tow hooks & 2009 - 2015 Express and Sport Models:** Removal or trimming of blank filler panel in bumper is required in order to allow attachment of upper support straps to bull bar. Remove the inserts by removing the 2-piece plastic clips at the top of the panel. Use a flat head screwdriver to first pop the center pin out to release the clip. See Figures 1 & 3.

   **2013 - 2018 Models without tow hooks:** Remove the two plastic covers in the bumper by removing the (4) M6 fasteners from the inside of the bumper. See Figures 2 & 4.

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**Figure 1**

**Figure 2**
2013 - 2018 Models: Location of bumper plastic inserts.

**Figure 3**
Remove these plastic clips.

**Figure 4**
2013+ Models: Remove these M6 bolts from the backside of the bumper (four per side).
3. On each side of the vehicle, locate the two hex nuts on the lower bumper mount and remove them. See Figure 5. **Note:** For vehicles with factory tow hooks, it is only necessary to remove the inner nuts.

4. On each side of the vehicle, drive the inner carriage bolts in the bumper bracket out of the bracket by striking the end of the bolts with a hammer. See Figure 6. Discard the tin retaining washers.

5. Install upper mounting brackets.
   
   **A. For vehicles w/o tow hooks:** Place the upper mounting brackets (6) up against the frame of the vehicle. Loosely reinstall the original hardware on the outside holes of the upper mounting brackets. See Figure 7.

   **B. For vehicles equipped with tow hooks:** Don’t use the upper frame mounting bracket.

6. Loosely install the upper support straps (4 & 5) to the opposite side of the frame, through the tow hook pocket. Refer to Figure 8. Secure the upper support strap and upper frame bracket by using the provided M12 hardware (24 & 25) and the nut removed in step 3 (Figure 5). **Note:** Stock bolt will not be re-used for the inner hole.

7. **For Dodge Ram 1500 Express and Sport:** Plastic brackets that are on the Sport and Express need to be trimmed in order to fit the mounting brackets (2 & 3). Refer to Figures 9 and 10. **Note:** Significant cutting is required. Trim as necessary.
8. Install the mounting brackets.
   A. **Vehicles w/o tow hooks**: Attach the mounting brackets (2 & 3) to the previously installed upper mounting brackets using the supplied M12 hardware (16-19) according to **Figure 11. Note**: Driver’s side shown.
   B. **Vehicles with tow hooks**: Remove the stock nuts shown in **Figure 12** and place the mounting brackets (2 & 3) up against the tow hook (**Figure 13**). Make sure to align the holes of the bracket with those of the tow hook. Secure the bracket to the tow hook by re-using the stock hardware.

9. Trimming of the front valance is required in order to install the lower mounting brackets. From outer flange to outer flange, the lower brackets measure approximately 45-5/16". The approximate dimensions for the cut outs are shown in **Figure 14. Note**: Trim as necessary.
10. Loosely install the lower support straps (7) to the mounting brackets (2 & 3) using the supplied M10 hardware (10-15) according to Figure 15. *Note:* Driver’s side shown.

11. Loosely install the lower mounting brackets (8 & 9) onto the bull bar using the provided M10 hardware (11, 12, 15) according to Figure 16. *Note:* Driver’s side shown.

12. Adjust the center tube of the contour bull bar assembly so that the light will point straight ahead by first loosening the bolts on the plastic bushings (3 bolts on each bushing). See Figure 17. Next, locate the rectangular openings behind the light and loosen the two bolts on each side. Rotate and align the light as needed and then tighten hardware. See Figure 18.
13. With assistance, hold the bull bar up in position on the outside of the mounting brackets. Loosely attach the bull bar to the mounting brackets with the supplied M12 hardware (23, 25-27). Refer to Figure 19. **Note:** Driver’s side shown

14. Using the supplied M10 hardware (21-23), attach the outer end of the upper support straps (4 & 5) to the back of the bull bar center tube. See Figure 20. **Note:** Driver’s side shown.

15. Align and adjust the bull bar as necessary, then tighten all hardware according to the following specifications. Torque M10 fasteners to 30 ft-lbs and M12 fasteners to 55 ft-lbs.
WIRING INSTRUCTIONS:

CAUTION:

1. Disconnect ground connection from battery (-) to avoid accidental short circuits before attempting to connect electrical wires.
2. When running wires, avoid areas of excessive heat, vibration, pinch or rotation when securing harness to vehicle.
3. Always use a fused (+) positive supply source.
4. This light becomes hot under continuous use. Do not remove or touch the casting for at least 30 minutes after the lamp has been turned off.

WESTIN recommends using a professional for this installation. Refer to Figure 22 below.

1. Locate the wiring harness and mount the switch in a convenient location where it is easily accessible from the drivers seat. *Note: The switch will need to be removed from the wiring harness so that the rest of the harness can be routed from the engine bay to the cabin.*

2. Route the wiring harness wire, specifically the fuse and relay, from the positive battery terminal along the firewalls existing wire routes. *Note: Tape as necessary to correct slack.*

3. Secure the relay by either drilling or using a pre-existing bolt along the chassis that is not connected to any other wire.

4. Run the switch harness through the firewall preferably through the pre-existing rubber plug that is used to run the OEM wiring harness from the engine bay to fuse box. *Note: Reconnect the switch to the wiring harness.*

5. Place the LED plug wire along the fender chassis where it will not get pinched and away from any moving parts (fan, pulleys etc.).

6. Run the attached wire from the LED Light Bar as previously mentioned away from any moving parts.

7. Connect both ends of wiring connectors from LED light bar and wiring harness.

8. Re-connect battery terminals, attach the red (+) wire to battery positive, and the black (-) wire to ground. *Note: Add dielectric grease (not supplied).*

9. Turn on the switch to make sure if the light works. If not, please carefully check if the wiring installation is correct.
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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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Failure to follow these instructions could lead to death, personal injury, and/or property damage.

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:
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.