31033 INSTALLATION INSTRUCTIONS

YEARS: 2011-CURRENT
MAKE: JEEP / DODGE
MODEL: GRAND CHEROKEE / DURANGO
STYLE: SUV

WARNING: NEVER EXCEED YOUR VEHICLE MANUFACTURER’S RECOMMENDED TOWING CAPACITY
For more information log onto www.curtmfg.com & for helpful towing tips log onto www.hitchinfo.com

WEIGHT CARRYING:
TRAILER WEIGHT: 3,000 LBS.
TONGUE WEIGHT: 300 LBS.

GROSS LOAD CAPACITY WHEN USED AS A STRAIGHT LINE PULL:
9,000 LBS MAX.

PRO INSTALL TIME: 35 MIN.
NOVICE INSTALL TIME: 70 MIN.

If you are hesitant to undertake this task on your own, contact an authorized CURT installer for additional assistance.

INSTALLATION TIPS:
1. BEFORE YOU BEGIN INSTALLATION, READ ALL INSTRUCTIONS THOROUGHLY.
2. TO EASE INSTALLATION, 2 PEOPLE MAY BE REQUIRED.
3. USING PROPER TOOLS WILL GREATLY IMPROVE THE QUALITY OF THE INSTALL AND REDUCE THE TIME REQUIRED.
4. NEED HELP OR HAVE SOME QUESTIONS? CALL TECHNICAL SUPPORT AT 800.798.0813

LEVEL OF DIFFICULTY: MODERATE

DEPTH OF DIFFICULTY:
EASY MODERATE CHALLENGING

INSTALLATION REQUIRES:
POWER DRILL
DRILL BIT 9/16" DIE GRINDER
RATCHET 10mm 13mm 18mm 3/4" SOCKET
TORQUE WRENCH
TAPE MEASURE MARKER
UTILITY KNIFE
SAFETY GLASSES

INSTALLATION INSTRUCTIONS

PERIODICALLY CHECK THIS RECEIVER HITCH TO ENSURE ALL FASTENERS ARE TIGHT AND ALL STRUCTURAL COMPONENTS ARE SOUND
CURT Manufacturing LLC. warrants this product to be free of defects in material and/or workmanship at the time of retail purchase by the original purchaser. If the product is found to be defective, CURT Manufacturing LLC. may repair or replace the product at their option, when the product is returned, prepaid, with proof of purchase. Alteration to, misuse of, or improper installation of this product voids the warranty. CURT Manufacturing LLC.'s liability is limited to repair or replacement of products found to be defective, and specifically excludes liability for incidental or consequential loss or damage.
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This product complies with safety specifications and requirements for connecting devices and towing systems of the state of New York, V.E.S.C. Regulation V-5 and SAE J684.

6/14/2016

SAFETY GLASSES SHOULD BE WORN AT ALL TIMES WHILE INSTALLING THIS PRODUCT.
INSTALLATION WALKTHROUGH:

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<thead>
<tr>
<th>ITEM</th>
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<tbody>
<tr>
<td>1</td>
<td>2</td>
<td>M10 - 1.5 x 35mm</td>
<td>HEX TAP BOLT</td>
</tr>
<tr>
<td>2</td>
<td>2</td>
<td>3/8&quot;</td>
<td>CONICAL TOOTHED WASHER</td>
</tr>
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<tr>
<td>4</td>
<td>6</td>
<td>CM-SP6</td>
<td>.250 x 1.00 x 3.00&quot; SQUARE HOLE SPACER</td>
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<td>HFN 1213</td>
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<tr>
<td>6</td>
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<td>1/2 FISHWIRE</td>
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FISHWIRE TECHNIQUE

INSERT COILED END OF FISHWIRE TOOL THROUGH HITCH MOUNTING HOLE IN VEHICLE FRAME RAIL AND TRIM HOLES IN PASS COILED END OF FISHWIRE THROUGH SPACER AND THREAD BOLT INTO COLL. HINT: WIRE TO KEEP SPACER SEPARATE FROM BOLT AS SHOWN. PULL FISHWIRE SPACER AND BOLT THROUGH FRAME AND OUT MOUNTING HOLES. USE FISHWIRE TO GUIDE HITCH DURING MOUNTING AND PREVENT LOSS OF BOLT / SPACER INSIDE FRAME RAIL. (NOTE: SOME VEHICLES MAY FISHWIRE THROUGH END OF FRAME.)

DRILL HOLE (BOTH SIDES)  

VEHICLE CROSS MEMBER  

EXISTING WELDNUTS (BOTH SIDES)  

REAR  

FRONT  

NOTE: TRIM DIMENSIONS ARE APPROXIMATE CONFIRM FIT PRIOR TO TRIMMING

DODGE DURANGO BUMPER TRIM DIAGRAM

ATTACH FISHWIRE TO CARRIAGE BOLT AND SLIDE SPACER ONTO FISHWIRE. PULL THE BOLT THRU THE HOLE FOLLOWED BY THE SPACER (AS SHOWN). PULL BOLT BACK INTO POSITION, PROTRUDING FROM THE FRAME.

To remove debris from weldnuts in frame, spray lubricant or compressed air into hole. For heavy debris, use a small wire brush. (Be careful not to damage threads.)
INSTALLATION WALKTHROUGH:

1. Remove plastic underbody panel by removing (7) bolts and (1) plastic fastener. This can be trimmed and reinstalled in step 8 or returned to vehicle owner.

2. Lift hitch into position, secure with M10 bolts and mark (4) drill hole locations.

3. Remove M10 bolts, lower hitch and drill (4) holes at marked locations.
   **Note:** Use a die grinder to enlarge (1) drilled hole on each frame rail so it is large enough for the included 1/2” hardware to pass through.

4. Use a die grinder to enlarge (2) mounting locations on vehicle cross member so the included 1/2” hardware can be reverse fishwired into position.

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5. Fishwire (2) 1/2" carriage bolts and (2) CM-SP6 spacers into position. Reverse fishwire (4) 1/2" carriage bolts and (4) CM-SP6 spacers into position. See FISHWIRE TECHNIQUE / REVERSE PULL TECHNIQUE on page 2.

6. Raise hitch into position and secure to frame using 1/2" flange nuts. Secure (2) 10mm bolts and (2) 3/8" conical toothed washers into the existing weldnuts. See WELDNUT CLEANING on page 2.

7. Torque all 10mm hardware to 45 ft-lbs and all 1/2" hardware to 110 ft-lbs.

8. If plastic underbody panel will be trimmed see TRIM DIAGRAM on page 2. Reinstall after trimming is complete.

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9. On Dodge Durango models, the lower fascia and bumper will need to be trimmed to provide clearance for the hitch receiver tube. See Dodge Durango Bumper Trim Diagram.

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GROSS LOAD CAPACITY WHEN USED AS A WEIGHT CARRYING HITCH: 3,000 LBS. TRAILER WEIGHT & 300 LBS. TONGUE WEIGHT.

WARNING: ALL NON-TRAILER LOADS APPLIED TO THIS PRODUCT MUST BE SUPPORTED BY 18050 STABILIZING STRAPS.

WARNING: ** FAILURE TO PROPERLY SUPPORT NON-TRAILER LOADS WILL VOID PRODUCT WARRANTY **

WARNING: *** DO NOT EXCEED VEHICLE MANUFACTURER’S RECOMMENDED TOWING CAPACITY ***

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Having Installation Questions? Call Technical Support at 1-877-287-8634

### Parts List

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### Installed Position

- **Vehicle Fascia**
- **Driver Side Frame Rail**
- **Existing Weldnut (Both Sides)**
- **Vehicle Cross Member**
- **Underbody Panel**
- **Passenger Side Frame Rail**
- **Drill Hole (Both Sides)**
- **Enlarge Hole (Both Sides)**

### Tools Required

- **DRILL**
  - 9/16" DRILL BIT
- **Die Grinder**
- **Ratchet**
  - 10mm, 13mm, 18mm & 3/4" SOCKET
- **Torque Wrench**
- **Tape Measure**
- **Marker**
- **Utility Knife**

### Fishwire Technique

Insert coiled end of fishwire tool through hitch mounting hole in vehicle frame rail and cut the access hole. Pass coiled end of fishwire through spacer and thread bolt into coil. Work wire to keep spacer separate from bolt as shown. Pull fishwire, spacer, and bolt through frame and cut mounting hole. Use fishwire to guide hitch during mounting and prevent loss of bolt/spacer ring/deg frame rail.

**Note:** Some vehicles may require cutting end of frame.

### Hitch Weight

**Hitch Weight:** 40 LBS.

**Install Time**
- Professional: 35 MINUTES
- Novice (DIY): 70 MINUTES

**Install Notes:**
- Drilling Required
- Enlarge (4) Holes
- Fishwire/Reverse Fishwire Hardware
- Optional Underbody Trimming

Periodically check this receiver hitch to ensure that all fasteners are tight and that all structural components are sound.

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FRONT MOUNTED ACCESSORIES

1) Do not exceed front axle Gross Weight Rating (GAWR). Consult owners manual or specification plate located on driver's door frame. Measure gross front axle weight by placing front wheels of loaded vehicle on a scale.

   **WARNING:** Exceeding GAWR may overload the front axle and/or suspension. This could result in accident, property damage and personal injury.

2) Reposition front mounted license plate if obstructed.

3) Do not obstruct vehicle lights.

4) Allow free air flow into grille opening.

5) Rear wheel traction may be reduced. This could effect handling. Reduce speed and drive with caution.

6) Accessories extend front of vehicle. This may reduce approach angle. Use caution when parking and maneuvering.

7) Do not obstruct driver view.

VEHICLE RECOVERY AND WINCHING TIPS

1) Use OEM tow hooks, recovery eyes or a clevis mount for attachment of a tow strap or winch cable.

   **WARNING:** NEVER use a ball and/or ball mount as an anchor point for tow strap or winch cable. Severe personal injury or death could result.

2) Observe winch manufacturer's recommendations, cautions and warnings.

3) Attach return cable to tow hook or recovery eye when using a snatch block (See figure 1).

   **CAUTION:** Do not attach return cable to winch mount. This may overload winch mount and/or front mounted receiver.

RATING

For **Maximum** line pull rating, winch cable must not exceed:
- 15 degree angle up or down from horizontal (See Figure 2).
- 45 degree angle left or right from straight ahead (See Figure 3).

   **CAUTION:** Exceeding the maximum line pull rating may over load winch, winch mount, and/or front mounted receiver.