PERIODICALLY CHECK THIS RECEIVER HITCH TO ENSURE ALL FASTENERS ARE TIGHT AND ALL STRUCTURAL COMPONENTS ARE SOUND.

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For more information log onto www.curtmfg.com, & for helpful towing tips log onto www.hitchinfo.com

12/7/2012
**INSTALLATION WALKTHROUGH:**

<table>
<thead>
<tr>
<th>ITEM</th>
<th>QTY</th>
<th>PART NUMBER</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>8</td>
<td>7/16-14 x 1 1/4</td>
<td>CARRIAGE BOLT</td>
</tr>
<tr>
<td>2</td>
<td>8</td>
<td>7/16-14</td>
<td>HEX FLANGE NUT</td>
</tr>
<tr>
<td>3</td>
<td>4</td>
<td>1/2-13 x 1 1/2</td>
<td>CARRIAGE BOLT</td>
</tr>
<tr>
<td>4</td>
<td>4</td>
<td>CM-SP40</td>
<td>.188 x 1.00 x 3/8 SQUARE HOLE SPACER</td>
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<tr>
<td>5</td>
<td>4</td>
<td>HFN 1/2</td>
<td>HEX FLANGE NUT</td>
</tr>
<tr>
<td>6</td>
<td>4</td>
<td>M12, 1.25 x 5/8</td>
<td>HEX BOLT</td>
</tr>
<tr>
<td>7</td>
<td>2</td>
<td>1/2&quot;</td>
<td>CONICAL TOOTHED WASHER</td>
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<tr>
<td>8</td>
<td>2</td>
<td>CM-SP32</td>
<td>.188 x 1.00 x 2.50 ROUND HOLE SPACER</td>
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<tr>
<td>9</td>
<td>4</td>
<td>1/2 FISHWIRE</td>
<td>1/2 FISHWIRE</td>
</tr>
</tbody>
</table>

**ILLUSTRATION**

1. Remove tow hooks and set aside for later reattachment. Hardware to be returned to vehicle owner and will not be reused.

2. Raise side plates up to frame and secure each side plate at its forward most mounting hole. (finger tighten only). Rearmost mounting hole must align with large slot in frame. Using middle hole in each side plate as a template, center mark, then remove side plates.

3. Drill holes into frame using a 17/32" drill at the center marked locations from Step #2.

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INSTALLATION WALKTHROUGH:

4. Fishwire hardware into frame as shown in ILLUSTRATION and the two details shown below.

5. After fishwiring hardware into frame raise side plates and tow hooks into position and bolt to frame using spacers, 1/2"-13, and M12 hardware. (Finger tighten only).

6. Assemble center hitch to side plates using 7/16" hardware as shown in ILLUSTRATION and pictures below.

   Torque M12 fasteners to 86 lb-ft., 1/2" fasteners to 110 lb-ft., and 7/16" fasteners to 70 lb-ft.

7. Installation complete.

For more information log onto www.curtmfg.com, & for helpful towing tips log onto www.hitchinfo.com
**CAUTION:** Exceeding the maximum towing may cause the mobile to roll over the road. Always mount an over-recovery mechanism.

1. Do not exceed manufacturer’s recommended towing capacity.
2. Use a double hook on the towing cable to hold the mobile in place.
3. Do not exceed the speed recommended by the manufacturer.
4. Do not exceed the angle recommended by the manufacturer.
5. Do not exceed the distance recommended by the manufacturer.
6. Do not exceed the capacity recommended by the manufacturer.

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**WARNING:** Exceeding the manufacturer’s recommended towing capacity may cause the mobile to roll over the road. Always mount an over-recovery mechanism.

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**VEHICLE RECOVERY AND WINDING TIPS**

1. Use a double hook on the towing cable to hold the mobile in place.
2. Do not exceed the speed recommended by the manufacturer.
3. Do not exceed the angle recommended by the manufacturer.
4. Do not exceed the distance recommended by the manufacturer.
5. Do not exceed the capacity recommended by the manufacturer.
6. Do not exceed the manufacturer’s recommended towing capacity.
GROSS LOAD CAPACITY WHEN USED AS A WEIGHT CARRYING HITCH: 5,000 LBS. TRAILER WEIGHT & 500 LBS. TONGUE WEIGHT.
GROSS LOAD CAPACITY WHEN USED AS A STRAIGHT LINE PULL: 9,000 LBS. MAX. LINE PULL.
*** DO NOT EXCEED VEHICLE MANUFACTURER'S RECOMMENDED TOWING CAPACITY. ***
HAVING INSTALLATION QUESTIONS? CALL TECHNICAL SUPPORT AT 1-800-798-0813

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31061  2009 - CURRENT  NISSAN TITAN

12/7/2012

GROSS LOAD CAPACITY WHEN USED AS A WEIGHT CARRYING HITCH: 5,000 LBS. TRAILER WEIGHT & 500 LBS. TONGUE WEIGHT.
GROSS LOAD CAPACITY WHEN USED AS A STRAIGHT LINE PULL: 9,000 LBS. MAX. LINE PULL.

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HAVING INSTALLATION QUESTIONS? CALL TECHNICAL SUPPORT AT 1-800-798-0813

HITCH WEIGHT: 39 LBS.
INSTALL TIME
PROFESSIONAL: 45 MINUTES
NOVICE (DIY): 90 MINUTES
INSTALL NOTES:
- DRILLING REQUIRED
- REMOVE TOW HOOKS

INSTALLATION STEPS

1) Remove tow hooks and set aside for later reattachment. Hardware to be returned to vehicle owner and will not be reused.

2) Raise side plates up to frame and secure each side plate at its forward most mounting hole. (Finger tighten only). Rearmost mounting hole must align with large slot in frame. Using middle hole in each side plate as a template, center mark, then remove side plates.

3) Drill holes into frame using a 17/32" drill at the center marked locations from Step #2.

4) Fishwire hardware into frame as shown in the exploded view and the two fishwire details, all shown on first page.

5) Raise side plates and tow hooks into position and bolt to frame using spacers, 1/2"-13, and M12 hardware. (Finger tighten only).

6) Assemble center hitch to side plates using 7/16" hardware as shown in exploded view on first page.

   Torque M12 fasteners to 86 lb-ft., 1/2" fasteners to 110 lb-ft., and 7/16" fasteners to 70 lb-ft.

7) Installation complete.

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***DO NOT EXCEED VEHICLE MANUFACTURER'S RECOMMENDED TOWING CAPACITY***.

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 overload winch, winch mount, and/or front mounted receiver.

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