## Installation Instructions

### Years: 2010-Present
### Make: Subaru
### Model: Outback (Excluding Sport)
### Style: Wagon

**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:** 4,000 LBS.
- **Tongue Weight:** 600 LBS.

### Pro Install Time: 45 MIN.
### Novice Install Time: 90 MIN.

**IF YOU ARE HESITANT TO UNDERTAKE THIS TASK ON YOUR OWN, CONTACT AN AUTHORIZED CURT INSTALLER FOR ADDITIONAL ASSISTANCE.**

### Installation Requires:

<table>
<thead>
<tr>
<th>Tool</th>
<th>Requirement</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ratchet</td>
<td>10mm 14mm</td>
</tr>
<tr>
<td>Socket</td>
<td>Torque Wrench</td>
</tr>
<tr>
<td>Aviation Shears</td>
<td>Tape Measure</td>
</tr>
<tr>
<td>Masking Tape</td>
<td>Screw Drivers</td>
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<tr>
<td>Safety Glasses</td>
<td></td>
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</tbody>
</table>

### 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

- **Easy:** No drilling required
- **Moderate:** Bumper and tail light removal required
- **Challenging:** Trimming required

### Vehicle Photo:

**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.

For more information log onto www.curtmfg.com

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.
1. Remove the tail light plastic push fasteners with a straight and phillips screw driver and the (2) screws with a 10mm socket.

2. Pull each taillight rearward and unhook the wiring connector to remove the lens.

3. Using a screw driver, remove the (3) push fasteners in the rear wheel wells holding the bumper cover. If mud flaps are present, remove the (3) screws holding on each side as well.

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INSTALLATION WALKTHROUGH:

4. Remove the (7) push fasteners along the edge of the bumper cover with a straight screwdriver. When removed, work from one side and gently pull the bumper cover away from the vehicle.

5. Remove the foam from the bumper beam to access the bumper beam bolts. Remove the (8) bumper beam bolts with a 14mm socket and remove the bumper beam.

6. Fold the center bumper cover mounting tab flat against the rear bulkhead of the vehicle. Raise the hitch and bumper beam back into position on the studs, center and loosely reinstall the nuts removed in step 5.

7. Torque all 10mm fasteners to 42 lb-ft.

8. Reinstall bumper beam foam and trim the bumper cover as shown in the Bumper Cover Trim diagram on page 2.

9. Reinstall the bumper cover, mud flaps (if present) and tail lights.

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**Gross Trailer Weight / GTW**
The Gross Trailer Weight is the weight of the trailer & cargo. Measure this by putting the fully loaded trailer on a vehicle scale.

**Tongue Weight / TW**
The downward force that is exerted on the hitch ball by the coupler. The tongue weight will vary depending on where the load is positioned in relationship to the trailer axle(s). To measure the tongue weight, use either a commercial scale or a bathroom scale with the coupler at towing height. When using a bathroom scale with heavier tongue weights, use the method shown and multiply the scale reading by 3.

**Weight Carrying / WC**
The total weight of both the trailer and the cargo inside. Never exceed the weight capacity of your trailer hitch.

**Weight Distribution / WD**
Used to balance the weight of the cargo between the front and rear wheels throughout the trailer, allowing for better steering, braking, and level riding.

**Sway Control**
A device used to reduce the lateral movements of the trailer that are caused by the wind. This works in conjunction with a weight distribution hitch. Do not use this on a class 1 or 2 hitch, or with surge brakes.

**How Much Can You Safely Tow?**

<table>
<thead>
<tr>
<th>TOWING WEIGHT</th>
<th>Class</th>
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<th>Class</th>
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</thead>
<tbody>
<tr>
<td>1,000</td>
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<td>1,500</td>
<td>2,000</td>
<td>2,500</td>
<td>3,000</td>
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<td>3,600</td>
<td>4,200</td>
<td>4,800</td>
<td>5,400</td>
</tr>
<tr>
<td><strong>Campers</strong></td>
<td><strong>Trailer</strong></td>
<td><strong>Vacation</strong></td>
<td><strong>Vacation</strong></td>
<td><strong>Vacation</strong></td>
<td><strong>3/4 Wheel</strong></td>
<td><strong>5-Wheel</strong></td>
<td><strong>7-Wheel</strong></td>
</tr>
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</table>

Refer to owner's manual for towing capabilities and limitations.

**Ball Mount**
The ball mount is placed inside the opening of the receiver hitch which is mounted to the vehicle. Make sure a hitch pin and clip is properly securing the ball mount to the receiver hitch before you begin towing.
- A: Rise, B: Drop, C: Hole Size, D: Length.

**Trailer Ball**
The connection from the hitch to the trailer. There are many factors that determine the correct hitch ball.
- Multiply one is the hitch ball's gross trailer weight rating.
- The mounting platform must be at least 3/8" thick.
- The hole diameter must not be more than 1/16" larger than the threaded shank.
- Every time you tow, check the nut and lock washer to make sure they are fastened securely.
- A: Ball Dia., B: Shank Dia., C: Shank Length, D: Shank Rise.

**Coupler**
The component that is placed over the trailer ball to connect the vehicle to the trailer. Be sure that the coupler size matches the size of the hitch ball and that the coupler handle is securely fastened. To determine what size hitch ball you need for your application you will need to know the size of coupler that is on the trailer. Be sure your coupler is properly adjusted to the ball you are using. NOTE: For added security the use of safety devices such as Coupler Safety Pins and Locks is strongly recommended.

**Safety Chains**
Safety chains are a requirement and should be crossed under the tongue of the trailer so that the tongue will not drop to the road if it becomes separated from the hitch. Always leave enough slack so you can turn. Never allow the safety chains to drag on the ground and never attach the chains to the bumper.

**Electrical**
Trailer lights, Electric Brakes, Break-away systems - Every time you tow, be sure to check that all components are working properly.

Wiring identification by color:
- **7-WAY**
- **5-WAY**
- **4-WAY**
- **GREEN**
- **YELLOW**
- **BROWN**
- **WHITE**
- **RED**
- **BLUE**
- **PURPLE**
13410  SUBARU OUTBACK (EXCLUDING SPORT)

10/3/18

GROSS LOAD CAPACITY WHEN USED AS A WEIGHT CARRYING HITCH: 4,000 LBS. TRAILER WEIGHT & 600 LBS. TONGUE WEIGHT.

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

HITCH WEIGHT: 27 LBS.

INSTALL TIME

PROFESSIONAL: 45 MINUTES

NOVICE (DIY): 90 MINUTES

INSTALL NOTES:
- NO DRILLING REQUIRED
- BUMPER AND TAILLIGHT REMOVAL REQUIRED
- TRIMMING REQUIRED

TOOLS REQUIRED

RATCHET
10mm & 14mm SOCKETS
TORQUE WRENCH
AVIATION SHEARS
MASKING TAPE
TAPE MEASURE
+ & - SCREW DRIVERS
SAFETY GLASSES

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

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