

13448

2018-PRESENT SUBARU ASCENT

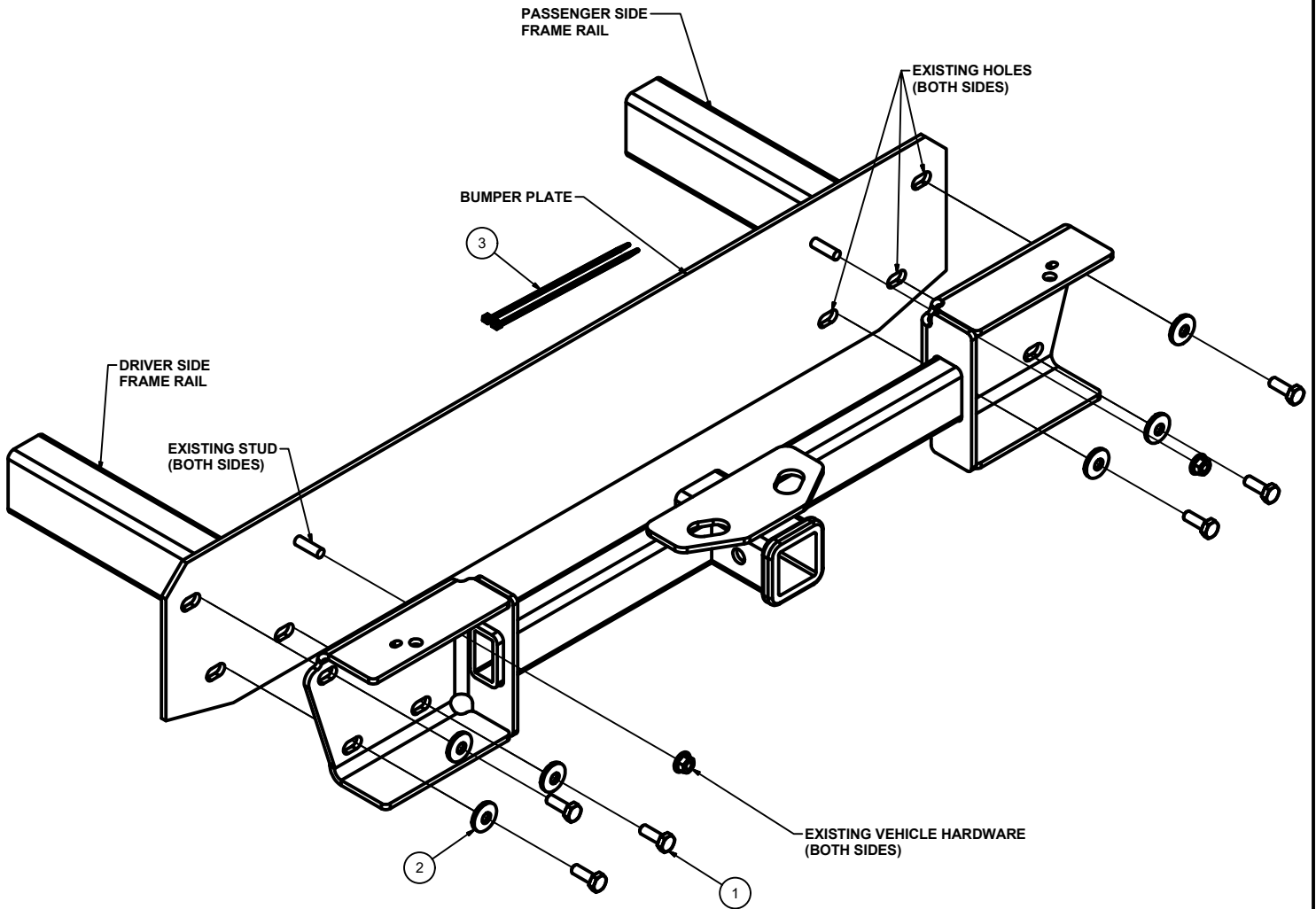
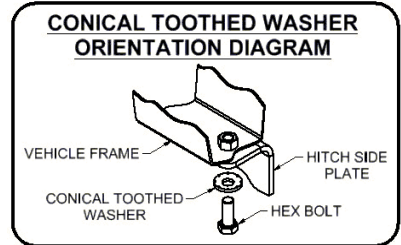
GROSS LOAD CAPACITY WHEN USED AS A WEIGHT CARRYING HITCH: 5000 LBS. TRAILER WEIGHT & 750 LBS. TONGUE WEIGHT.
 GROSS LOAD CAPACITY WHEN USED AS A WEIGHT DISTRIBUTION HITCH: 5000 LBS. TRAILER WEIGHT & 750 LBS. TONGUE WEIGHT



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



| Parts List | | | |
|------------|-----|-------------|----------------------------------|
| ITEM | QTY | PART NUMBER | DESCRIPTION |
| 1 | 6 | 10-10271 | HHCS,M10x1.25,30,CL10.9,YZ |
| 2 | 6 | 30-00163 | WASHER,S-CON,7/16,YZ |
| 3 | 2 | 600043 | CABLE TIE 3/16 X 8" 50# UV BLACK |



FRONT
 ↓
 REAR

HITCH WEIGHT: 31 LBS.
 INSTALL TIME
 PROFESSIONAL: 60 MINUTES
 NOVICE (DIY): 120 MINUTES
 INSTALL NOTES:
 - NO DRILLING REQUIRED
 - BUMPER REMOVAL
 - TEMPORARY FASCIA REMOVAL

| TOOLS REQUIRED |
|------------------------|
| SAFETY GLASSES |
| RATCHET |
| 6" SOCKET EXTENSION |
| 8MM, 10MM, 17MM SOCKET |
| SCREW DRIVER |
| PANEL REMOVAL TOOL |
| TORQUE WRENCH |
| HAMMER |

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

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INSTALLATION STEPS

1. Remove the (6) plastic expanding fasteners from the bottom of the fascia. Set aside for reinstallation in STEP 11.
2. Remove splash guards by removing (2) bolts using an 8mm socket from each wheel well. Set aside for reinstallation in STEP 11.
3. Remove (1) expanding fastener located under each splash guard. Set aside for reinstallation in STEP 11.
4. Remove (1) push rivet from each wheel well by depressing the center of the rivet using a screwdriver. Set aside for reinstallation in STEP 11. **Note:** After depressing the center it may be helpful to use the pry tool to remove from fascia.
5. Open the liftgate. Remove panel near taillight on both sides of the vehicle by pulling straight back from the top of the panel, allowing access to the (1) bolt that connects the fascia to the vehicle body. Remove this bolt from both sides using a 10mm socket to allow fascia to be removed. Set panel and hardware aside for reinstallation in STEP 11.
6. Starting from the wheel well and working towards center remove fascia by pulling gently. Be sure to unplug any wires that are attached. Set aside for reinstallation in STEP 11.
7. Remove (2) wire harnesses from bumper. The harnesses are located on the top of the bumper beam. **Note:** Using the pry tool may be helpful.
8. Remove (3) M10 bolts and (1) M10 nut from each side using a 17mm socket. Set nuts aside for re-attachment in STEP 10. Return bumper beam and bolts to vehicle owner.
9. Using hammer, bend bumper mounting flange inward toward the front of the vehicle to allow hitch to mount flush with vehicle.
10. Raise hitch into position by placing over bumper studs. Secure the factory nuts that were removed in STEP 8. Install the supplied M10 bolts and conical washers. Attach wire harnesses to the top of the hitch and zip tie into place. Torque all M10 hardware to 48lb-ft
11. Reinstall fascia removed in STEPS 1-6 in reverse order. Be sure to reconnect the plugs that were disconnected during fascia removal process. **Note:** fascia has a removable panel for hitch usage. The panel can then be reinstalled when hitch is not in use.

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



13448 INSTALLATION INSTRUCTIONS

Safety glasses should be worn at all times while installing this product.

YEARS: 2018-PRESENT

MAKE: SUBARU

MODEL: ASCENT

STYLE: SUV

WARNING: NEVER EXCEED YOUR VEHICLE MANUFACTURER'S RECOMMENDED TOWING CAPACITY

WEIGHT CARRYING:
TRAILER WEIGHT: 5,000 LBS.
TONGUE WEIGHT: 750 LBS.

WEIGHT DISTRIBUTION:
TRAILER WEIGHT: 5,000 LBS.
TONGUE WEIGHT: 750 LBS.

PRO INSTALL TIME: 60 MIN.
NOVICE INSTALL TIME: 120 MIN.

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

INSTALLATION TIPS:

- BEFORE YOU BEGIN INSTALLATION, READ ALL INSTRUCTIONS THOROUGHLY.
- TO EASE INSTALLATION, 2 PEOPLE MAY BE REQUIRED.
- USING PROPER TOOLS WILL GREATLY IMPROVE THE QUALITY OF THE INSTALL AND REDUCE THE TIME REQUIRED.

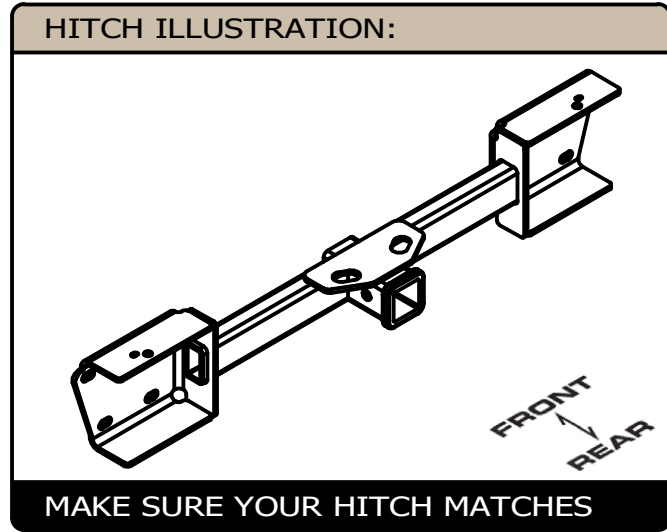


INSTALLATION REQUIRES:

| | | |
|-------------------------------|--------------|---------------------|
| SAFETY GLASSES | RATCHET | 6" SOCKET EXTENSION |
| 8 mm 10 mm 17 mm SOCKET | SCREW DRIVER | PANEL REMOVAL TOOL |
| TORQUE WRENCH | HAMMER | |
| | | |

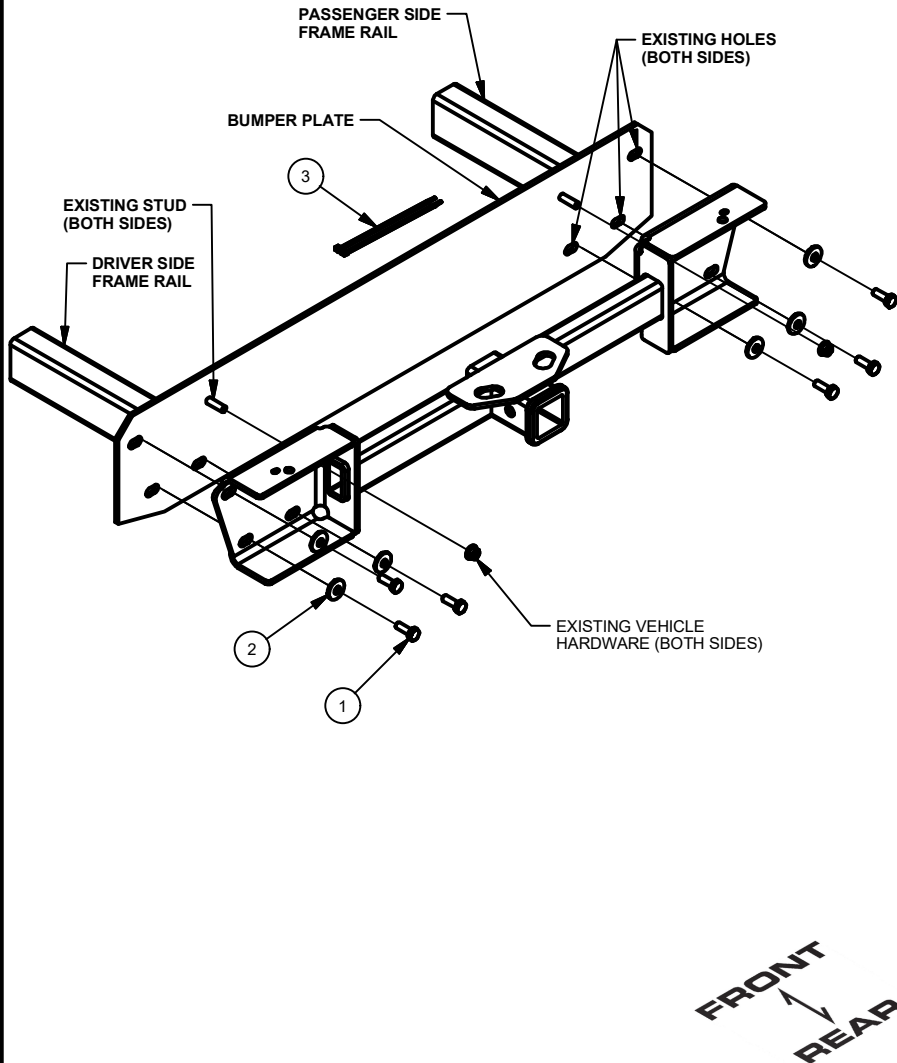
LEVEL OF DIFFICULTY: CHALLENGING

| EASY | MODERATE | CHALLENGING |
|------|--------------------------|-------------|
| | NO DRILLING REQUIRED | |
| | BUMPER REMOVAL | |
| | TEMPORARY FASCIA REMOVAL | |
| | | |
| | | |



INSTALLATION WALKTHROUGH:

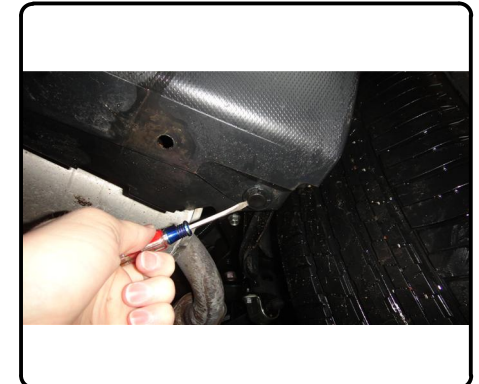
| Parts List | | | |
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2. Remove splash guards by removing (2) bolts using an 8mm socket from each wheel well. Set aside for reinstallation in STEP 11.
3. Remove (1) expanding fastener located under each splash guard. Set aside for reinstallation in STEP 11.



INSTALLATION WALKTHROUGH:

4. Remove (1) push rivet from each wheel well by depressing the center of the rivet using a screwdriver. Set aside for reinstallation in STEP 11. **Note:** After depressing the center it may be helpful to use the pry tool to remove from fascia



5. Open the liftgate. Remove panel near taillight on both sides of the vehicle by pulling straight back from the top of the panel, allowing access to the (1) bolt that connects the fascia to the vehicle body. Remove this bolt from each side using a 10mm socket to allow fascia to be removed. Set panel and hardware aside for reinstallation in STEP 11.



6. Starting from the wheel well and working towards center remove fascia by pulling gently. Be sure to unplug any wires that are attached. Set aside for reinstallation in STEP 11.



7. Remove (2) wire harnesses from bumper. The harnesses are located on the top of the bumper beam. **Note:** Using the pry tool may be helpful.



INSTALLATION WALKTHROUGH:

8. Remove (3) M10 bolts and (1) M10 nut from each side using a 17mm socket. Set nuts aside for re-attachment in STEP 10. Return bumper beam and bolts to vehicle owner.



9. Using a hammer, bend bumper mounting flange inward toward the front of the vehicle to allow hitch to mount flush with vehicle.



10. Raise hitch into position by placing over bumper studs. Secure the factory nuts that were removed in STEP 8. Install the supplied M10 bolts and conical washers. Attach wire harnesses to the top of the hitch and zip tie into place. Torque all M10 hardware to 48lb-ft



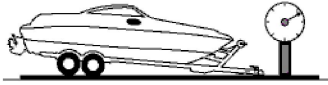
11. Reinstall fascia removed in STEPS 1-6 in reverse order. Be sure to reconnect the plugs that were disconnected during fascia removal process. **Note:** fascia has a removable panel for hitch usage. The panel can then be reinstalled when hitch is not in use.



TOWING SAFETY INFORMATION

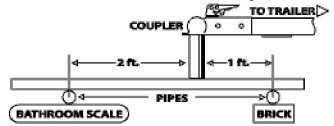
Gross Trailer Weight / GTW

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?

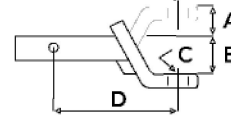
| TONGUE WEIGHT (lb) | 1000 | 2000 | 3000 | 4000 | 5000 | 6000 | 7000 | 8000 | 10,000 | 12,000 |
|-----------------------------------------------------------------------------|------|------|------|------|------|------|------|------|--------|--------|
| Tongue weight should be about 10 to 15 percent of the gross trailer weight. | | | | | | | | | | |
| CLASS 1 | | | | | | | | | | |
| CLASS 2 | | | | | | | | | | |
| CLASS 3 | | | | | | | | | | |
| CLASS 4 | | | | | | | | | | |
| CLASS 5 | | | | | | | | | | |
| TRAILER TYPE | | | | | | | | | | |
| Camper | 11' | 12' | 13' | 14' | 15' | 16' | | | | |
| lbs. | 1100 | 1200 | 1300 | 1400 | 1500 | 1600 | | | | |
| Vacation | 18' | 19' | 18' | 20' | 22' | 24' | 26' | 28' | 30' | 32' |
| lbs. | 2100 | 2400 | 2700 | 3000 | 3300 | 3600 | 3900 | 4200 | 4500 | 4800 |
| Vacation | 18' | 16' | 18' | 20' | 22' | 24' | 26' | 28' | 30' | 32' |
| lbs. | 2800 | 3200 | 3600 | 4000 | 4400 | 4800 | 5200 | 5600 | 6000 | 6400 |
| 5th Wheel | | | | | | | | | | |

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.

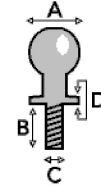
- A: Rise. B: Drop. C: Hole Size. D: Length.



Trailer Ball

The connection from the hitch to the trailer. There are many factors that determine the correct hitch ball:

- Number 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 Length. C: Shank Dia. 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.

Trailer Classification: Safety Chain Breaking Force - Minimum

Class 1: 2,000 lbs. (8.9 kN)

Class 2: 3,500 lbs. (15.6 kN)

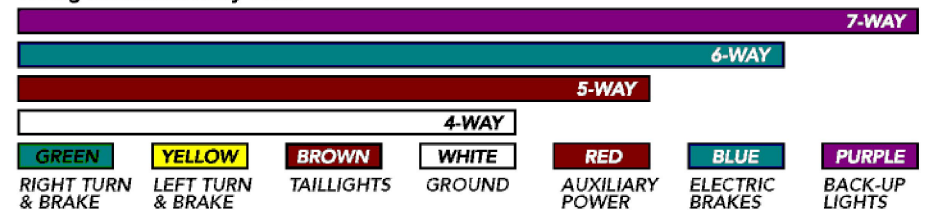
Class 3: 5,000 lbs. (22.2 kN)

The strength rating of each length of safety chain or its equivalent and its attachments shall be equal to or exceed in minimum breaking force the GVWR (Gross Vehicle Weight Rating) of the trailer.

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:



CURT DISCLAIMER: WIRING COLOR SHOWN WORK IN CONJUNCTION WITH CURT MANUFACTURING PRODUCTS.