

13363

JEEP COMPASS

10/24/2023

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



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

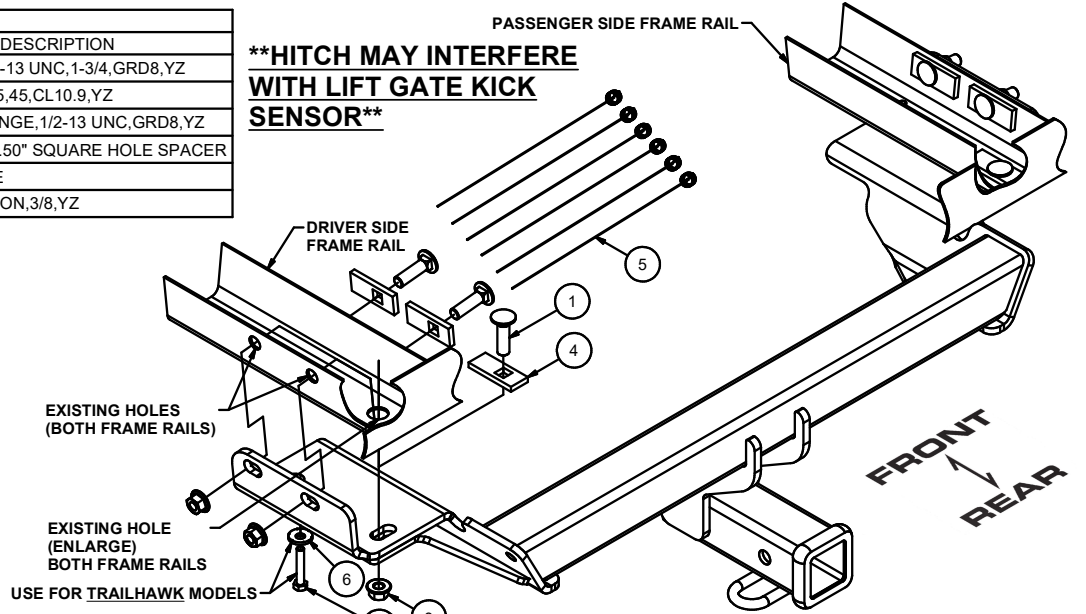
FOR MORE INFORMATION LOG ONTO WWW.CURTMFG.COM  
 HAVING INSTALLATION QUESTIONS? CALL TECHNICAL SUPPORT AT 877-287-8634



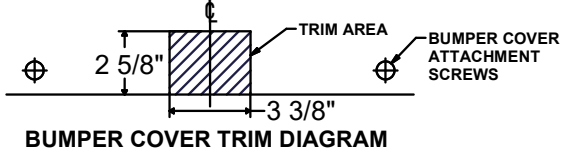
Parts List			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	6	10-10272	BOLT,CAR,1/2-13 UNC,1-3/4,GRD8,YZ
2	2	10-10464	HHCS,M8x1.25,45,CL10.9,YZ
3	6	20-00062	NUT,SER-FLANGE,1/2-13 UNC,GRD8,YZ
4	6	CM-SP10	.250 x 1.00 x 2.50" SQUARE HOLE SPACER
5	6	1_2 FISHWIRE	1/2" FISHWIRE
6	2	30-00148	WASHER, S-CON,3/8,YZ

**\*\*HITCH MAY INTERFERE WITH LIFT GATE KICK SENSOR\*\***

TOOLS REQUIRED	
RATCHET	
TORQUE WRENCH	
SAFETY GLASSES	
T30 TORQ BIT	
11mm, 13mm, 15mm, 21mm, 3/4" SOCKETS	
MASKING TAPE	
TAPE MEASURE	
AVIATION SHEARS	
DIE GRINDER	
PLIERS	
MARKER	
6" SOCKET EXTENSION	



HEAT SHIELD TRIM DIAGRAM



BUMPER COVER TRIM DIAGRAM

HITCH WEIGHT: 42 LBS.  
 INSTALL TIME  
 PROFESSIONAL: 45 MINUTES  
 NOVICE (DIY): 90 MINUTES  
 INSTALL NOTES:  
 - REMOVE/TRIM HEAT SHIELD  
 - FISHWIRE HARDWARE  
 - ENLARGE HOLES  
 - LOWER/MODIFY EXHAUST  
 - TRIM FASCIA

**INSTALLATION STEPS**

- Using a T30 Torx bit, remove the (2) screws attaching the bumper fascia to the body mounts. Save for re-installation later.
  - Use a 13mm socket to remove the (1) bolt on each of the (2) rearward most exhaust hanger brackets. NOTE: Support the exhaust before removing the nuts to prevent damage to the exhaust.
- TIP: Temporarily removing the exhaust will ease installation of the hitch. Remove by loosening the nut at the bolted connection in the middle of the vehicle with a 15mm socket.
- Use the 11mm socket to remove the (3) sheet metal nuts holding the heat shield in position. Remove the heat shield and trim the exhaust attachment tabs from it. Re-install heat shield center onto vehicle.
- Tow hook equipped models:** Using the 21mm socket, remove the (6) 14mm hex bolts from vehicle frame and use to attach hitch. Follow steps 5, 6, 8 and 9.
- Remove the (6) plastic hole covers if present and using a die grinder, enlarge the rearward most holes in the bottom of the frame to allow the supplied carriage bolts and spacers to pass through. Fishwire all (6) 1/2" carriage bolts and CM-SP10 spacers into the mounting positions as shown in the diagram above.
  - Using tape, a marker, and measuring tape, locate the center of the vehicle and mark a 3 3/8" side to side and 2 5/8" lengthwise cutout. Using a tin snips or aviation shears, trim out the area marked. NOTE: These dimensions are reference only, make sure to check hitch location on vehicle prior to trimming.
  - With a pliers, bend the (2) small locator tabs flat on each exhaust bracket or remove entirely.
  - Thread fishwires into the hitch mounting holes and raise the hitch into mounting position with the main body on the rearward side of the bumper fascia body mounts. Pull downward on the rear bumper cover +5" to accomplish getting the hitch in position. Remove the fishwires and install the (6) 1/2" hex flange nuts provided.
  - Torque all 1/2" fasteners to 110 lb-ft. Torque all M14 fasteners to 126 lb-ft.
  - Reinstall or raise exhaust back into position and reinstall the flange bolts removed in step 2. Reinstall the rear bumper cover screws removed in step 1.

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



Scan for more information

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.

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.

YEARS: 2017.5-PRESENT

MAKE: JEEP

MODEL: COMPASS

STYLE: SUV

**WARNING: NEVER EXCEED YOUR VEHICLE MANUFACTURER'S RECOMMENDED TOWING CAPACITY**  
 For more information log onto [www.curtmfg.com](http://www.curtmfg.com) & for helpful towing tips log onto [www.hitchinfo.com](http://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:**

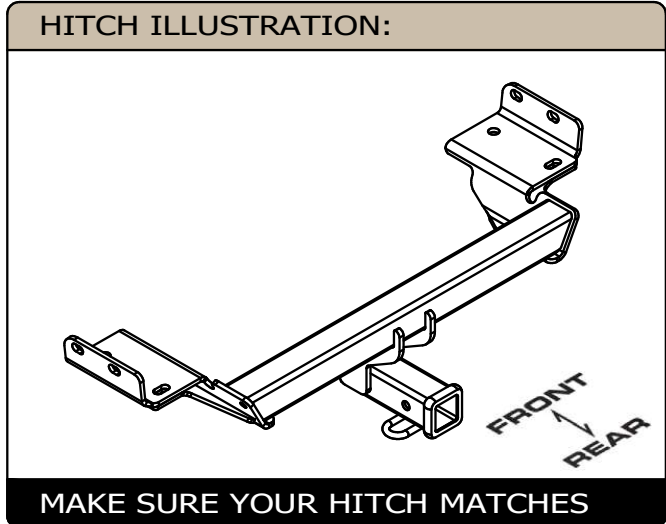
RATCHET	TORQUE WRENCH	6" SOCKET EXTENSION
11mm 13mm 15mm 21mm 3/4" SOCKET	T30 TORXBIT SOCKET	PLIERS
AVIATION SHEARS	SAFETY GLASSES	DIE GRINDER
TAPE MEASURE	MARKER	MASKING TAPE

**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.
- NEED HELP OR HAVE SOME QUESTIONS? CALL TECHNICAL SUPPORT AT 877.287.8634

**LEVEL OF DIFFICULTY: CHALLENGING**

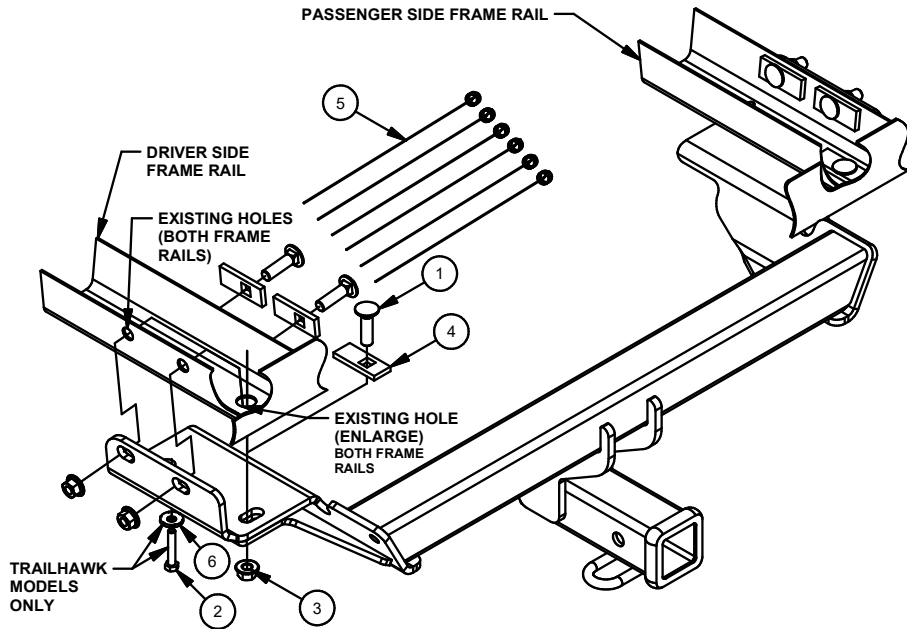
EASY	MODERATE	CHALLENGING
PART REMOVAL	LOWER/REMOVE EXHAUST AND REMOVE HEAT SHIELD	
TRIM	TRIM LOWER BUMPER COVER AND HEAT SHIELD	
ENLARGE (2) HOLES FOR HARDWARE ACCESS	ENLARGE (2) HOLES FOR HARDWARE ACCESS	
FISHWIRE (6) FASTENERS	FISHWIRE (6) FASTENERS	



**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](http://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.

# INSTALLATION WALKTHROUGH:

Parts List			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	6	10-10272	BOLT,CAR,1/2-13 UNC,1-3/4,GRD8,YZ
2	2	10-10464	HHCS,M8x1.25,45,CL10,9,YZ
3	6	20-00062	NUT,SER-FLANGE,1/2-13 UNC,GRD8,YZ
4	6	CM-SP10	.250 x 1.000 x 2.50" SQUARE HOLE SPACER
5	6	1_2 FISHWIRE	1/2" FISHWIRE
6	2	30-00148	WASHER, S-CON,3/8,YZ



**\*\*HITCH MAY INTERFERE WITH LIFT GATE KICK SENSOR\*\***

### FISHWIRE TECHNIQUE

INSERT COILED END OF FISHWIRE TOOL THROUGH HITCH MOUNTING HOLE IN VEHICLE FRAME RAIL AND OUT THE ACCESS HOLE. PASS COILED END OF FISHWIRE THROUGH SPACER AND THREAD BOLT INTO COIL. KINK WIRE TO KEEP SPACER SEPARATE FROM BOLT AS SHOWN. PULL FISHWIRE, SPACER, AND BOLT THROUGH FRAME AND OUT MOUNTING HOLE. USE FISHWIRE TO GUIDE HITCH DURING MOUNTING AND PREVENT LOSS OF BOLT / SPACER INSIDE FRAME RAIL.

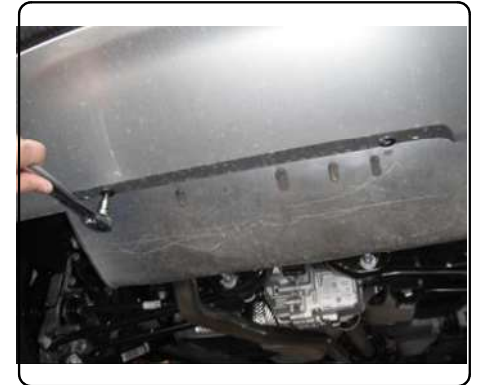
\*\*NOTE: SOME VEHICLES MAY FISHWIRE THROUGH END OF FRAME\*\*

### REVERSE PULL FISHWIRE TECHNIQUE

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

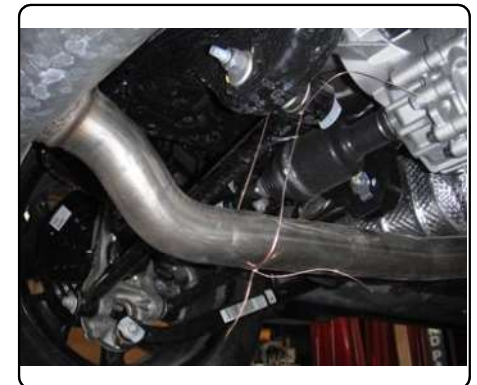
1. Using a T30 Torx bit, remove the (2) screws attaching the bumper fascia to the body mounts. Save for re-installation later.

**Tow hook equipped models:** Using the 21mm socket, remove the (6) 14mm hex bolts from vehicle frame and use to attach hitch. Follow steps 2, 3, 5, 6, 8 and 9.



2. Use a 13mm socket to remove the (1) bolt on each of the (2) rearward most exhaust hanger brackets. NOTE: Support the exhaust before removing the nuts to prevent damage to the exhaust.

**TIP:** Temporarily removing the exhaust will ease installation of the hitch. Remove by loosening the nut at the bolted connection in the middle of the vehicle with a 15mm socket.





## INSTALLATION WALKTHROUGH:

3. Use the 11mm socket to remove the (3) sheet metal nuts holding the heat shield in position. Remove the heat shield and trim the exhaust attachment tabs from it. Re-install heat shield center onto vehicle.

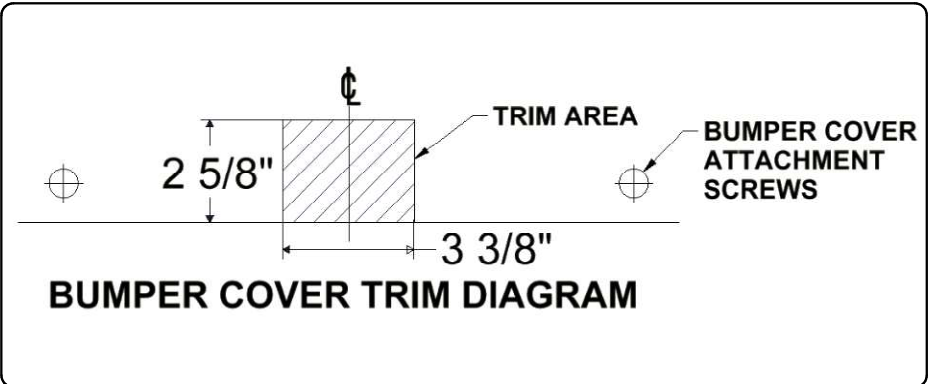


4. Remove the (6) plastic hole covers if present and using a die grinder, enlarge the rearward most holes in the bottom of the frame to allow the supplied carriage bolts and spacers to pass through. Fishwire all (6) 1/2" carriage bolts and CM-SP10 spacers into the mounting positions as shown in the diagram above.

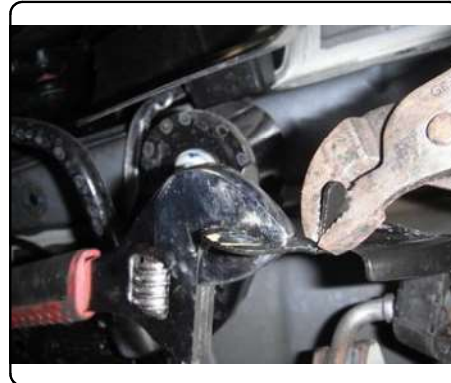


For more information log onto [www.curtmfg.com](http://www.curtmfg.com)

5. Using tape, a marker, and measuring tape, locate the center of the vehicle and mark a 3 3/8" side to side and 2 5/8" lengthwise cutout. Using a tin snips or aviation shears, trim out the area marked. NOTE: These dimensions are reference only, make sure to check hitch location on vehicle prior to trimming.



6. With a pliers, bend the (2) small locator tabs flat on each exhaust bracket or remove entirely.



## INSTALLATION WALKTHROUGH:

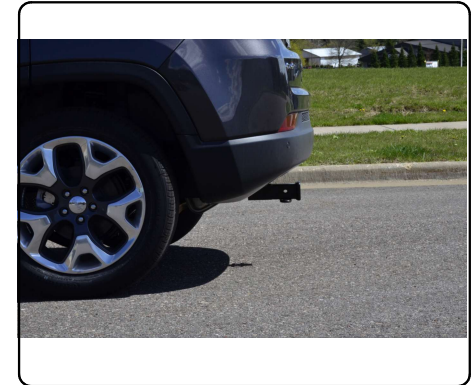
7. Thread fishwires into the hitch mounting holes and raise the hitch into mounting position with the main body on the rearward side of the bumper fascia body mounts. Pull downward on the rear bumper cover +5" to accomplish getting the hitch in position. Remove the fishwires and install the (6) 1/2" hex flange nuts provided.



8. Torque all 1/2" fasteners to 110 lb-ft.  
Torque all M14 fasteners to 126 lb-ft.



9. Reinstall or raise exhaust back into position and reinstall the bolts removed in step 2. Reinstall the rear bumper cover screws removed in step 1.

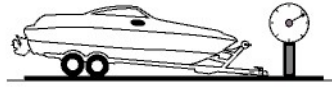




## TOWING SAFETY INFORMATION

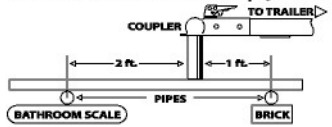
### Gross Trailer Weight / GTW

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?

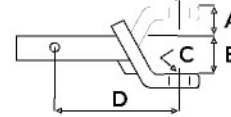
TONGUE WEIGHT (lb.)	1000	2000	3000	4000	5000	6000	7000	8000	10,000	12,000	
Tongue weight should be about 10 to 15 percent of the gross trailer weight.											
TRAILER TYPE	CLASS 1		CLASS 2			CLASS 3			CLASS 4		CLASS 5
Camper	11'	12'	13'	14'	15'	16'					
lbs.	1100	1200	1300	1400	1500	1600					
Vacation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

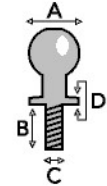
- A: Rise. B: Drop. C: Hole Size. D: Length.



### 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)

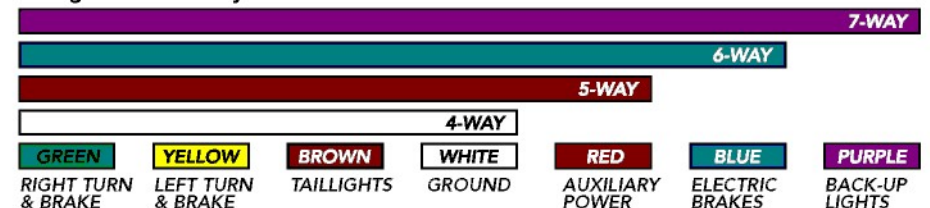
Class 3: 5,000 lbs. (22.2 kN)

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.