



12164 INSTALLATION INSTRUCTIONS



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

YEARS: 2017-PRESENT

MAKE: FORD/ LINCOLN

MODEL: FUSION (SPORT)/ MKZ 3.0T

STYLE: SEDAN



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: 3500 LBS.
TONGUE WEIGHT: 350 LBS.

WARNING:

WE RECOMMEND THE USE OF 18050 STABILIZING STRAPS FOR ALL NON-TRAILER (WHEEL-LESS) LOADS. PLEASE SEE THE CURT CATALOG OR VISIT US ONLINE AT WWW.CURTMFG.COM FOR FURTHER INFORMATION.

PRO INSTALL TIME: 20 MIN.

NOVICE INSTALL TIME: 40 MIN.

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



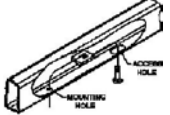

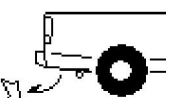
INSTALLATION REQUIRES:

| | | |
|--|--|---|
|  |  |  10mm 7mm 11/16" 3/4" |
| RATCHET | TORQUE WRENCH | SOCKET |
|  |  | |
| SAFETY GLASSES | PRY BAR | |
| | | |
| | | |

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: EASY

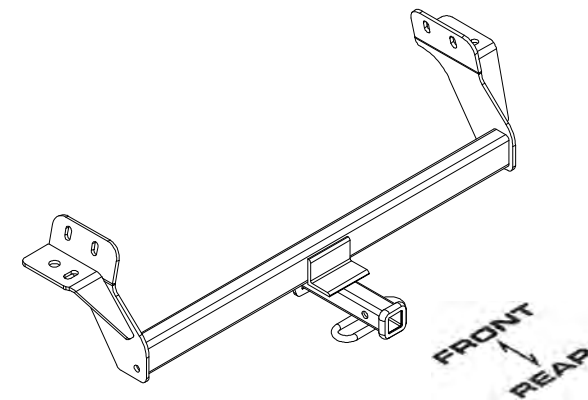
| EASY | MODERATE | CHALLENGING |
|---|---|-------------|
|  | NO DRILLING REQUIRED | |
|  | PERMANENTLY REMOVE LOWER REAR AIR DEFLECTOR | |
|  | FISHWIRING REQUIRED | |
|  | LOWER EXHAUST BY REMOVING (3) ISOLATORS | |
|  | TEMPORARILY REMOVE HEAT SHIELD | |

VEHICLE PHOTO:



REPRESENTATIVE PHOTO

HITCH ILLUSTRATION:



MAKE SURE YOUR HITCH MATCHES



SCAN FOR
MORE INFO

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 , & for helpful towing tips log onto www.hitchinfo.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.

4/7/2017

INSTALLATION WALKTHROUGH:

| Parts List | | | |
|------------|-----|--------------------------------------|--|
| ITEM | QTY | PART NUMBER | DESCRIPTION |
| 1 | 2 | HFN 1213, GR8 | HEX FLANGE NUT |
| 2 | 2 | 1/2-13 x 1 1/2, GR8 | CARRIAGE BOLT |
| 3 | 2 | CM-SP10 | .250 x 1.00 x 2.50" SQUARE HOLE SPACER |
| 4 | 2 | 1_2 FISHWIRE | 1/2" FISHWIRE |
| 5 | 4 | 7_16 FISHWIRE | 7/16" FISHWIRE |
| 6 | 4 | 7_16 - 14 x 1 1_4 CARRIAGE (GRADE 8) | CARRIAGE BOLT |
| 7 | 4 | 7/16-14 | HEX FLANGE NUT |
| 8 | 4 | CM-SP11 | .250 x 1.00 x 2.50" SQUARE HOLE SPACER |
| 26 | 1 | 12164-50-BK | BOLT KIT |

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.

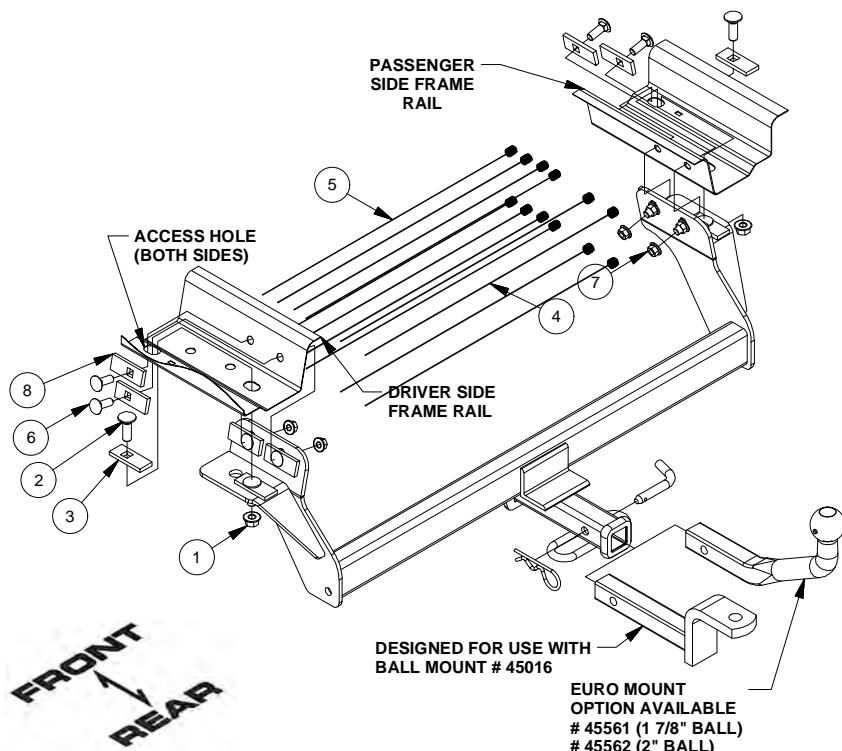
"NOTE: SOME VEHICLES MAY FISHWIRE THROUGH END OF FRAME"

RUBBER ISOLATOR REMOVAL DIAGRAM

This technique can be used if an Exhaust Hanger Removal Pliers is not available.

Using a 5/8" open end wrench, slide the wrench up to the rubber isolator, cradling the hanger rod as shown. Next place the flat edge of a pry bar between the wrench and the hanger stop or hanger rod. Then simply rotate the pry bar toward the wrench to remove the rubber isolator.

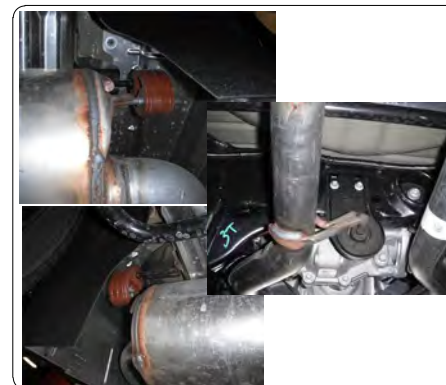
Note: Using a spray lubricant or soapy water on the hanger rod and the rubber isolator helps removal.



1. Remove lower rear air deflector by removing (3) formed nuts and (1) plastic nut with a 10mm socket. Next remove the (6) screw with washer fasteners in the bumper fascia with a 7mm socket. Return fascia piece and hardware to vehicle owner.



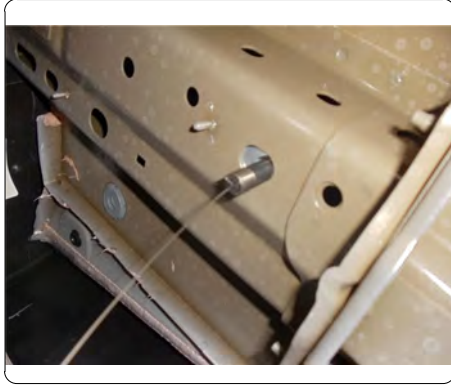
2. Lower the muffler by removing (3) exhaust hangers, (1) from each side and (1) in front of the muffler. Temporarily remove heat shield by removing (9) formed nuts with a 10mm socket.



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INSTALLATION WALKTHROUGH:

3. Fishwire the 1/2" bolts and spacer blocks through the access hole in both frame rails for the bottom frame hole and the 7/16" bolts and spacers blocks through the same hole and into the side mounting holes. Leave fishwires on all fasteners and the 7/16" bolts in the frame until the hitch is in position.



- ↓
4. Raise hitch into position and secure with 1/2" flange nuts and 7/16" flange nuts using 3/4" and 11/16" sockets respectively.



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5. Torque all 7/16" fasteners to 70 lb.-ft and all 1/2" fasteners to 110 lb.-ft. Reinstall heat shield and exhaust removed in step 2.



TOWING SAFETY INFORMATION

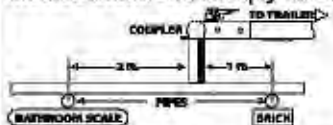
Gross Trailer Weight / GTW

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.

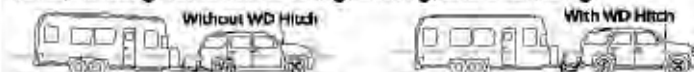


Weight Carrying / WC

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?

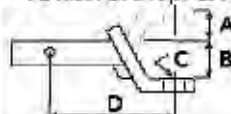
| TONGUE WEIGHT | Tongue weight should be about 10 to 15 percent of the gross trailer weight. | | | | | | | | | |
|---------------|---|---------|---------|---------|---------|---------|---------|---------|---------|----------|
| | CLASS 1 | CLASS 2 | CLASS 3 | CLASS 4 | CLASS 5 | CLASS 6 | CLASS 7 | CLASS 8 | CLASS 9 | CLASS 10 |
| TRAILER TYPE | | | | | | | | | | |
| Coupler | | | | | | | | | | |
| 11k | 1100 | 1200 | 1300 | 1400 | 1500 | 1600 | | | | |
| 16k | 2100 | 2400 | 2700 | 3000 | 3300 | 3600 | 3900 | 4200 | 4500 | 4800 |
| 20k | 2800 | 3200 | 3600 | 4000 | 4400 | 4800 | 5200 | 5600 | 6000 | 6400 |
| 25k Wheel | | | | | | | | | | |
| 25k 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:

| 7-WAY | | | | | | |
|--------------------|-------------------|------------|--------|-----------------|-----------------|----------------|
| 6-WAY | | | | | | |
| 5-WAY | | | | | | |
| 4-WAY | | | | | | |
| GREEN | YELLOW | BROWN | WHITE | RED | BLUE | PURPLE |
| RIGHT TURN & BRAKE | LEFT TURN & BRAKE | TAILLIGHTS | GROUND | AUXILIARY POWER | ELECTRIC BRAKES | BACK-UP LIGHTS |

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

12164

FORD FUSION SPORT/ LINCOLN MKZ 3.0T

4/7/2017

GROSS LOAD CAPACITY WHEN USED AS A WEIGHT CARRYING HITCH: 3500 LBS. TRAILER WEIGHT & 350 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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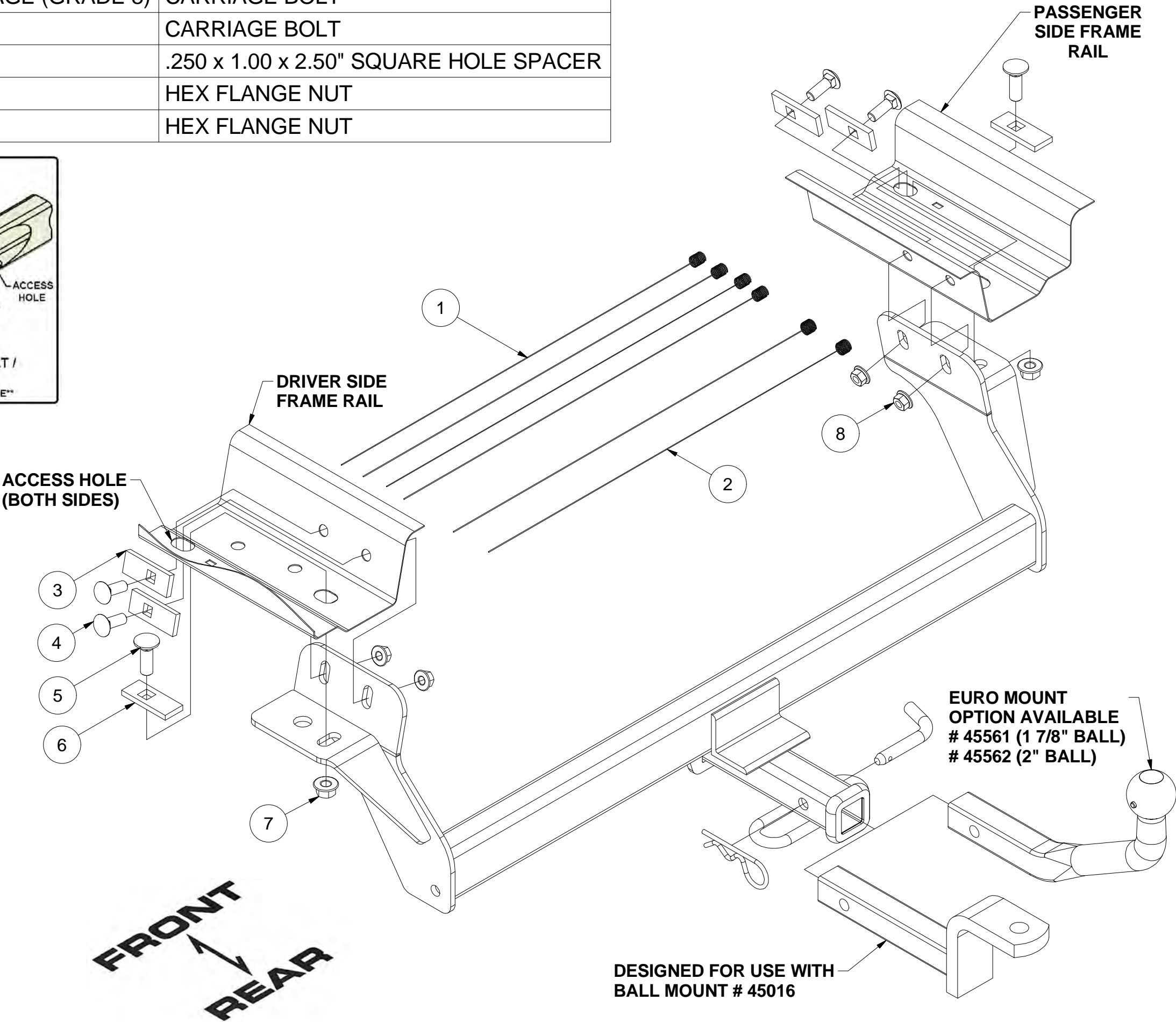


| Parts List | | | |
|------------|-----|--------------------------------------|--|
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| 7 | 2 | HFN 1213, GR8 | HEX FLANGE NUT |
| 8 | 4 | 7/16-14 | HEX FLANGE NUT |

| TOOLS REQUIRED |
|----------------------|
| 7mm & 10mm SOCKET |
| 11/16" & 3/4" SOCKET |
| RATCHET |
| TORQUE WRENCH |
| PRY BAR |

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Note: Using a spray lubricant or soapy water on the hanger rod and the rubber isolator helps removal.



HITCH WEIGHT: 26 LBS.

INSTALL TIME

PROFESSIONAL: 20 MINUTES

NOVICE (DIY): 40 MINUTES

INSTALL NOTES:

- REMOVE LOWER AIR DEFLECTOR
- LOWER EXHAUST AND HEAT SHIELD
- FISHWIRING REQ.
- NO DRILL REQ.

INSTALLATION STEPS

1. Remove lower air deflector by removing (3) formed nuts and (1) plastic nut with a 10mm socket. Next remove the (6) screw with washer fasteners in the bumper fascia with a 7mm socket. Return fascia piece and hardware to vehicle owner.
2. Lower the muffler by removing (3) exhaust hangers, (1) from each side and (1) in front of the muffler. Temporarily remove heat shield by removing (9) formed nuts with a 10mm socket.
3. Fishwire the 1/2" bolts and spacer blocks though the access hole in both frame rails for the bottom frame hole and the 7/16" bolts and spacers blocks through the same hole and into the side mounting holes. Leave fishwires on all fasteners and the 7/16" bolts in the frame until the hitch is in position.
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Scan for more information

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