11478 INSTALLATION INSTRUCTIONS

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

YEARS: 2017-PRESENT | MAKE: BMW | MODEL: 5 SERIES | STYLE: SEDAN

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

WEIGHT CARRYING:

TRAILER WEIGHT: 2,000 LBS.
TONGUE WEIGHT: 200 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 REQUIRES:

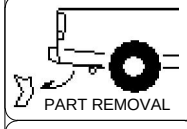
 RATCHET	 PRY BAR	 8mm 10mm 18mm SOCKET
 T15 TORXBIT SOCKET	 8" SOCKET EXTENSION	 SAFETY GLASSES
 TORQUE WRENCH	 **AVIATION SHEARS**	

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.

LEVEL OF DIFFICULTY: CHALLENGING

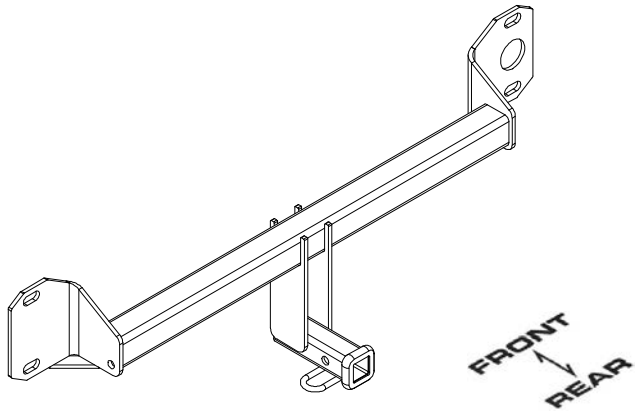
EASY | MODERATE | CHALLENGING

	PLASTIC BRACKET TRIM REQUIRED
 PART REMOVAL	TEMPORARY REMOVAL OF FASCIA REQUIRED

VEHICLE PHOTO:

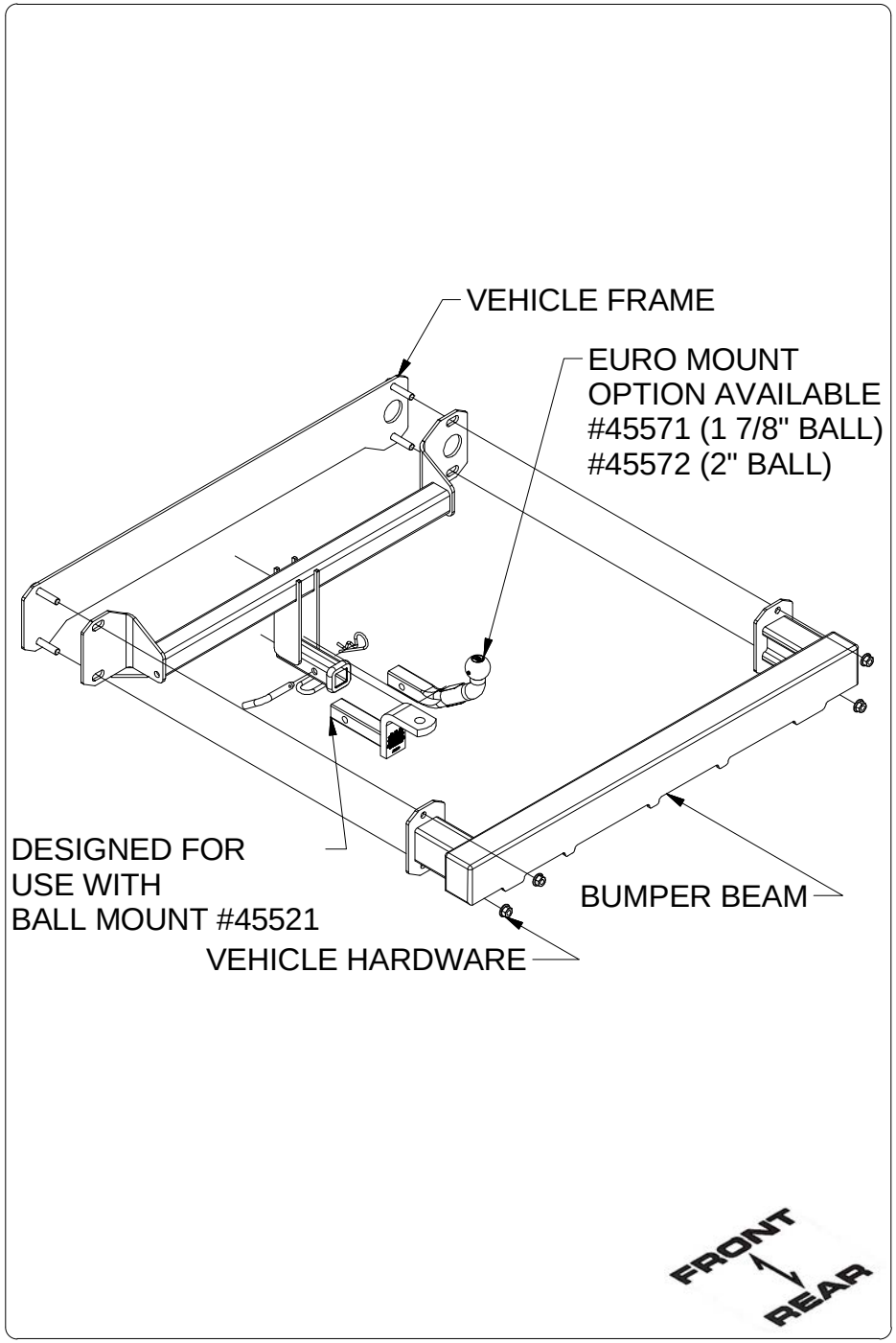
REPRESENTATIVE PHOTO

HITCH ILLUSTRATION:



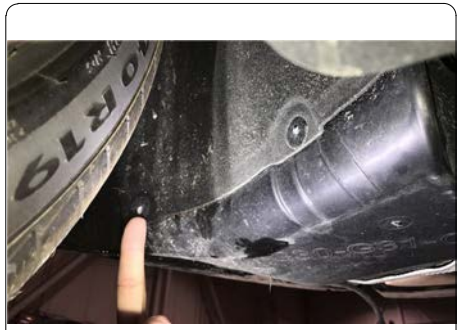
MAKE SURE YOUR HITCH MATCHES

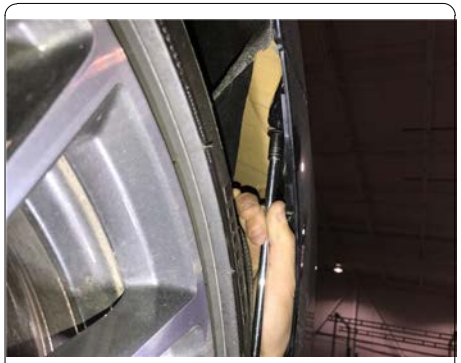
INSTALLATION WALKTHROUGH:



1. Remove (8) clips from underbody panel using an 8mm socket.

2. Unclip active exhaust electrical connector. Remove (9) screws on heat shield and attaching wheel liner using 8mm socket. Pull away wheel liner and remove (1) bolt using an 8mm socket.





INSTALLATION WALKTHROUGH:

3. Remove plastic liner around tail light by pulling up and out. Use T15 torx bit to remove (1) screw by each tail light.

4. Remove (2) bolts using 10mm socket from each tail light. Carefully remove rear bumper fascia. NOTE: To ease fascia removal, begin from outside and work towards the center of the vehicle.

5. Remove (4) clips holding plastic bumper panel to bumper beam. Remove (2) nuts from each side using 18mm socket. Insert hitch between bumper beam and vehicle. Loosely secure existing hardware.

6. Trim underbody panel along slotted line. Torque all M12 hardware to 82.5 ft-lbs. Reinstall removed items following steps 1-5 in reverse order.

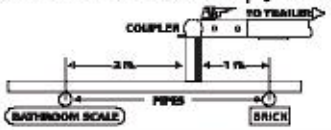
TOWING SAFETY INFORMATION

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.

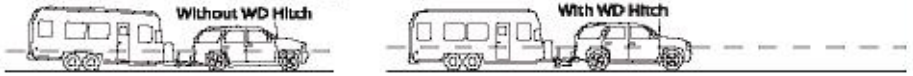


Weight Carrying / WC

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?

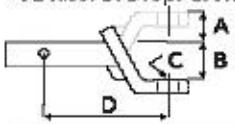
TONGUE WEIGHT lbs.	1000	2000	3000	4000	5000	6000	7000	8000	10,000	12,000
TRAILER TYPE	CLASS 1	CLASS 2	CLASS 3	CLASS 4	CLASS 5					
Camper	11'	12'	13'	14'	15'	16'				
lbs.	1100	1200	1300	1400	1500	1600				
Vacation	18'	18'	18'	28'	28'	34'	28'	28'	28'	28'
lbs.	2100	2400	2700	3000	3300	3600	3900	4200	4500	4800
Vacation	14'	16'	16'	28'	28'	34'	28'	28'	28'	28'
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.

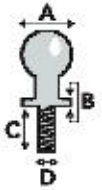
- A: Rise. B: Drop. C: Hole Size. D: Length.



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 weightrating.
- 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.
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:

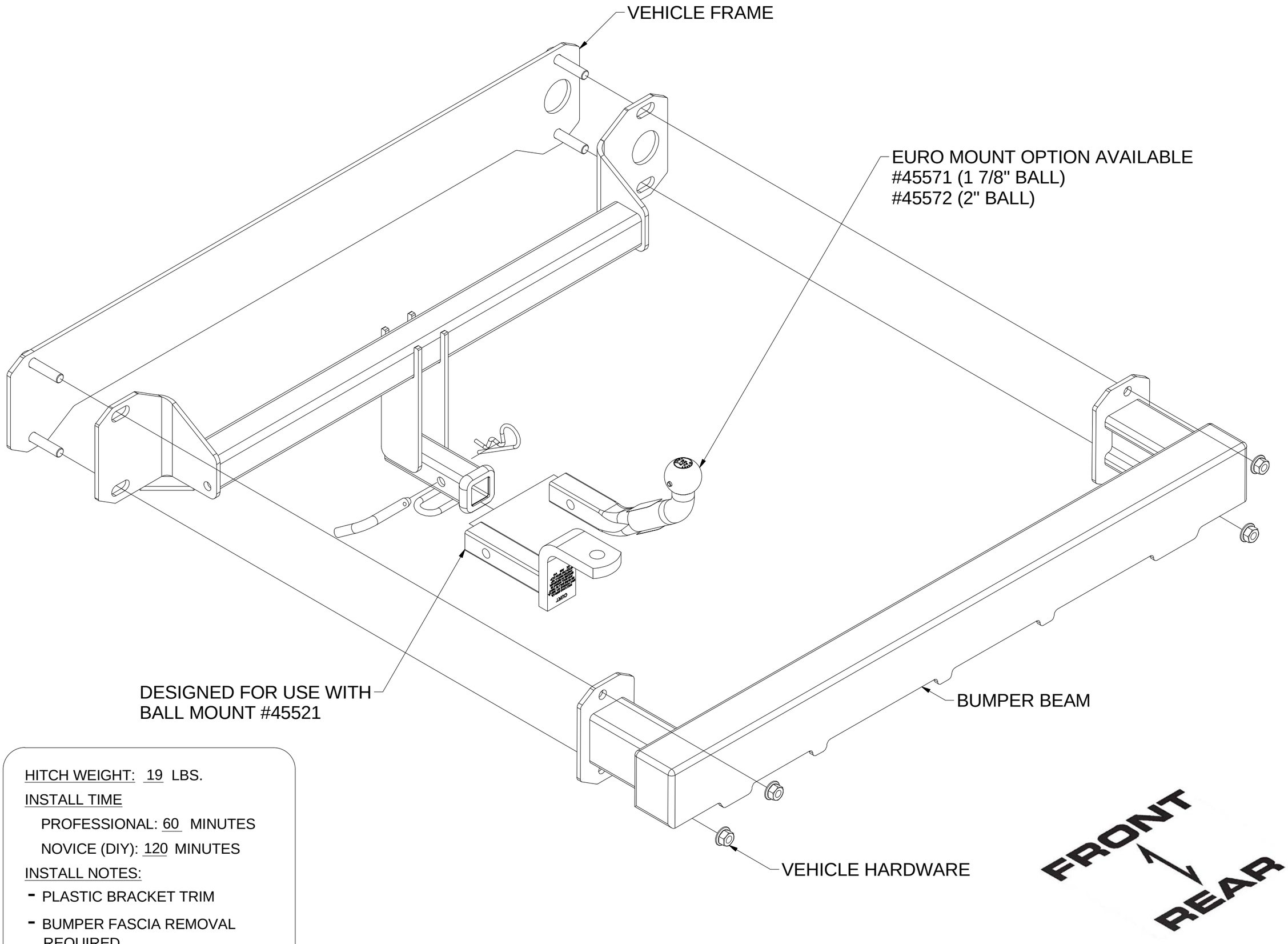
11478 BMW 5 SERIES

GROSS LOAD CAPACITY WHEN USED AS A WEIGHT CARRYING HITCH: 2,000 LBS. TRAILER WEIGHT & 200 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 ***



HITCH WEIGHT: 19 LBS.

INSTALL TIME

PROFESSIONAL: 60 MINUTES

NOVICE (DIY): 120 MINUTES

INSTALL NOTES:

- PLASTIC BRACKET TRIM
- BUMPER FASCIA REMOVAL REQUIRED

INSTALLATION STEPS

1. Remove (8) clips from underbody panel using an 8mm socket.

2. Unclip active exhaust electrical connector. Remove (9) screws on heat shield and attaching wheel liner using 8mm socket. Pullaway wheel liner and remove (1) bolt using an 8mm socket.

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6. Trim underbody panel along slotted line. Torque all M12 hardware to 82.5 ft-lbs. Reinstall removed items following steps 1-5 in reverse order.

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