

YEARS: 2012,2015-17

MAKE: HYUNDAI / GENESIS

MODEL: GENESIS 5.0 / G80

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: 3,500 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: 30 MIN.
NOVICE INSTALL TIME: 60 MIN.

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

INSTALLATION REQUIRES:

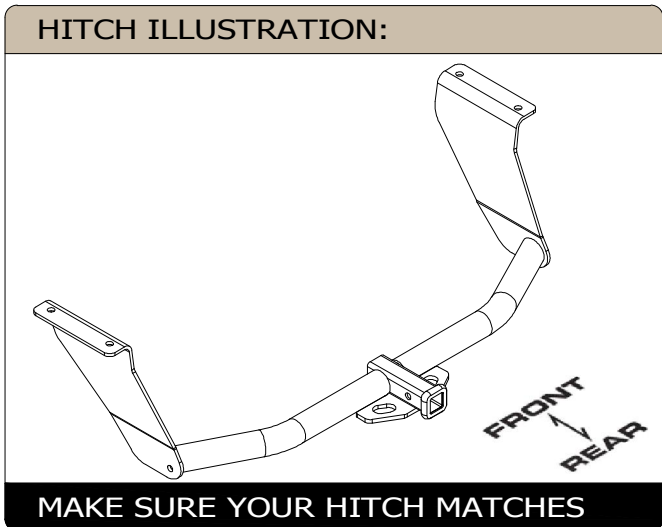
		 10mm
POWER DRILL	RATCHET	SOCKET
		 19mm
DRILL BIT 17/32"	TORQUE WRENCH	AVIATION SHEARS
MARKER		

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 800.798.0813

LEVEL OF DIFFICULTY: EASY

EASY	MODERATE	CHALLENGING
	TRIM HEAT SHIELD	
	DRILLING REQUIRED	
	FISHWIRE HARDWARE	
	LOWER EXHAUST	



SCAN FOR MORE INFO

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

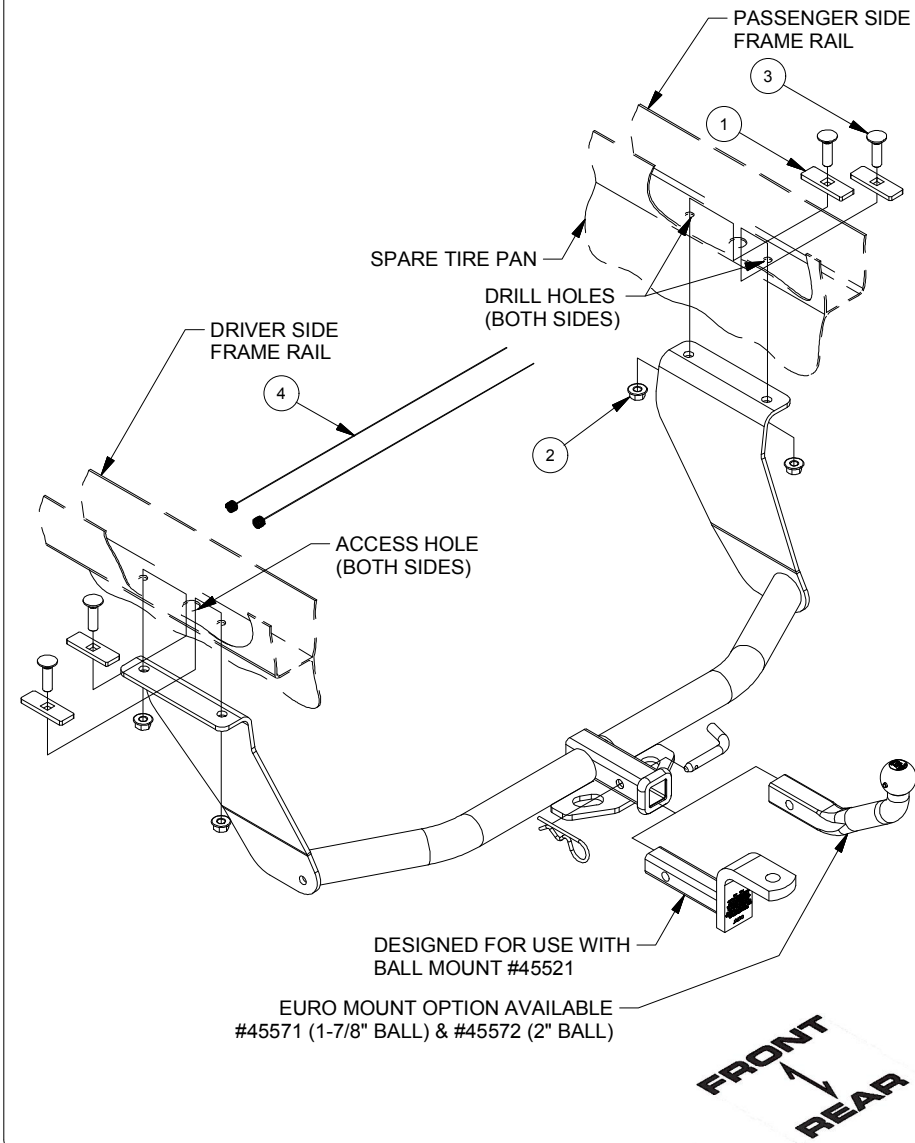
CURT Manufacturing LLC. warrants this product to be free of defects in material and/or workmanship at the time of retail purchase by the original purchaser. If the product is found to be defective, CURT Manufacturing LLC. may repair or replace the product at their option, when the product is returned, 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.

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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	4	CM-SP6	.250 x 1.00 x 3.00" SQUARE HOLE SPACER	
2	4	HFN 1213	HEX FLANGE NUT	
3	4	1/2-13 x 1 3/4	CARRIAGE BOLT	
4	2	1_2 FISHWIRE	1/2" FISHWIRE	



1. Remove (4) rear rubber exhaust isolators, and gently lower exhaust. Remove heat shields by removing (6) screws with a 10mm socket, both sides.
NOTE: On 2012 models remove (2) nuts with a 19mm socket in front of mufflers each side.



2. Raise hitch into position, center and square to frame rails and vehicle, just after the frame angles downward. Mark and drill (4) holes with 17/32" drill bit for 1/2" fasteners.



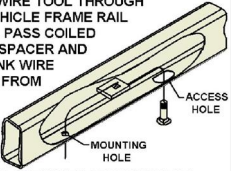
INSTALLATION WALKTHROUGH:

3. Lower hitch and fishwire (2) bolts and (2) spacers into position on each side as shown in the Fishwire Diagram.

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 SEPERATE 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.

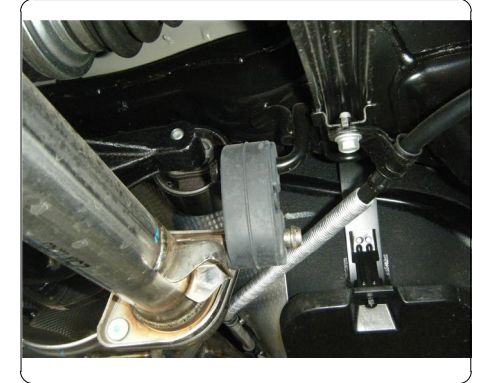
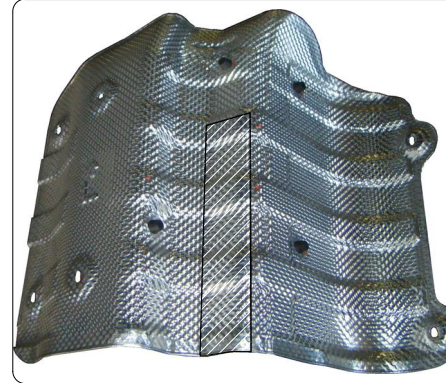
NOTE: SOME VEHICLES MAY FISHWIRE THROUGH END OF FRAME



4. Raise hitch back into position and install supplied hex flange nuts. Torque all 1/2" fasteners to 110 lb-ft.



5. Modify heat shields as shown in trim diagram and reinstall with original fasteners. Raise exhaust and reinstall (4) rubber exhaust isolators removed in step (1).
NOTE: On 2012 models bolt exhaust back together with original fasteners.



Installation complete.



TOWING SAFETY INFORMATION

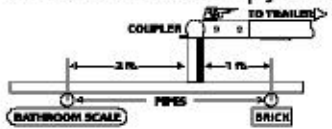
Gross Trailer Weight / GTW

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?

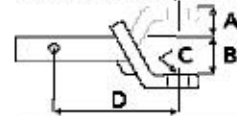
TONGUE WEIGHT (lb.)	1500	2000	2500	3000	3500	4000	4500	5000	5500	6000	6500	7000	7500	8000	8500	9000	9500	10,000	
CLASS 1	[Bar]																		
CLASS 2	[Bar]																		
CLASS 3	[Bar]																		
CLASS 4	[Bar]																		
CLASS 5	[Bar]																		
TRAILER TYPE	11"	12"	13"	14"	15"	16"	17"	18"	19"	20"	21"	22"	23"	24"	25"	26"	27"	28"	29"
Coupler	[Bar]																		
Inc.	1100	1200	1300	1400	1500	1600													
Weighted	[Bar]																		
Inc.	2100	2400	2700	3000	3300	3600	3900	4200	4500	4800									
Weighted	[Bar]																		
Inc.	2800	3200	3600	4000	4400	4800	5200	5600	6000	6400									
5th Wheel	[Bar]																		

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.

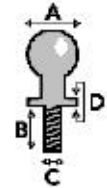
- A: Rise. B: Drop. C: Hole Size. D: Length.



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.

12165

HYUNDAI GENESIS 5.0 / GENESIS G80

11/18/2016

GROSS LOAD CAPACITY WHEN USED AS A WEIGHT CARRYING HITCH: 3,500 LBS. TRAILER WEIGHT & 350 LBS. TONGUE WEIGHT.

WARNING: ALL NON-TRAILER LOADS APPLIED TO THIS PRODUCT MUST BE SUPPORTED BY 18050 STABILIZING STRAPS.

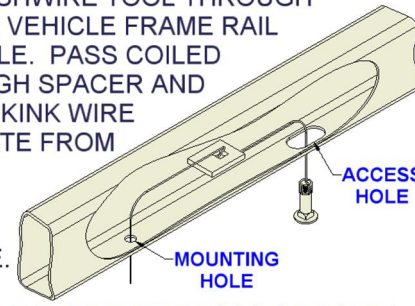
**WARNING: ** FAILURE TO PROPERLY SUPPORT NON-TRAILER LOADS WILL VOID PRODUCT WARRANTY ******WARNING: *** DO NOT EXCEED VEHICLE MANUFACTURER'S RECOMMENDED TOWING CAPACITY *****FOR MORE INFORMATION LOG ONTO WWW.CURTMFG.COM & FOR HELPFUL TOWING TIPS LOG ONTO WWW.HITCHINFO.COM
HAVING INSTALLATION QUESTIONS? CALL TECHNICAL SUPPORT AT 1-800-798-0813

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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.

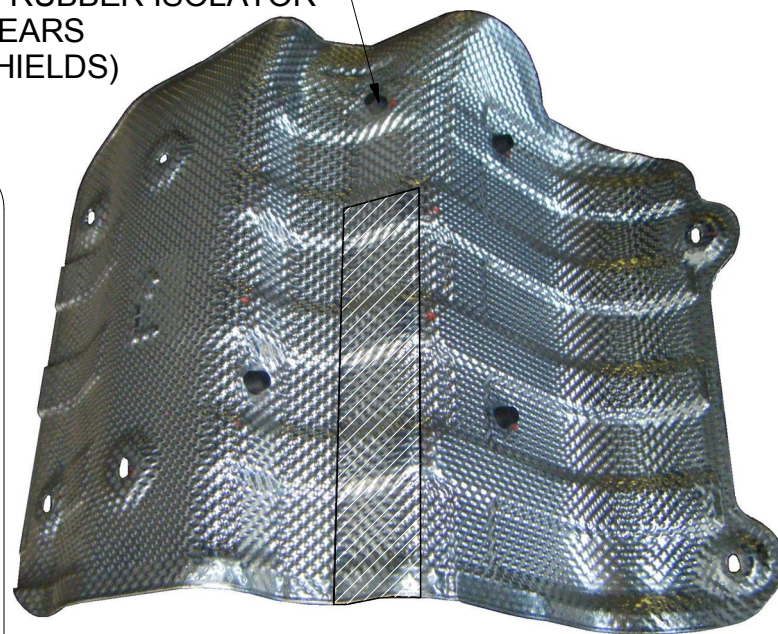
Note: Using a spray lubricant or soapy water on the hanger rod and the rubber isolator helps removal.

TOOLS REQUIRED

DRILL W/ 17/32" DRILL BIT
RATCHET
10mm, 19mm SOCKET
3/4" SOCKET
TORQUE WRENCH
AVIATOR SHEARS
PENCIL / MARKER

HEAT SHIELD DIAGRAM

REMOVE RUBBER ISOLATOR WITH SHEARS (BOTH SHIELDS)



HITCH WEIGHT: 31 LBS.

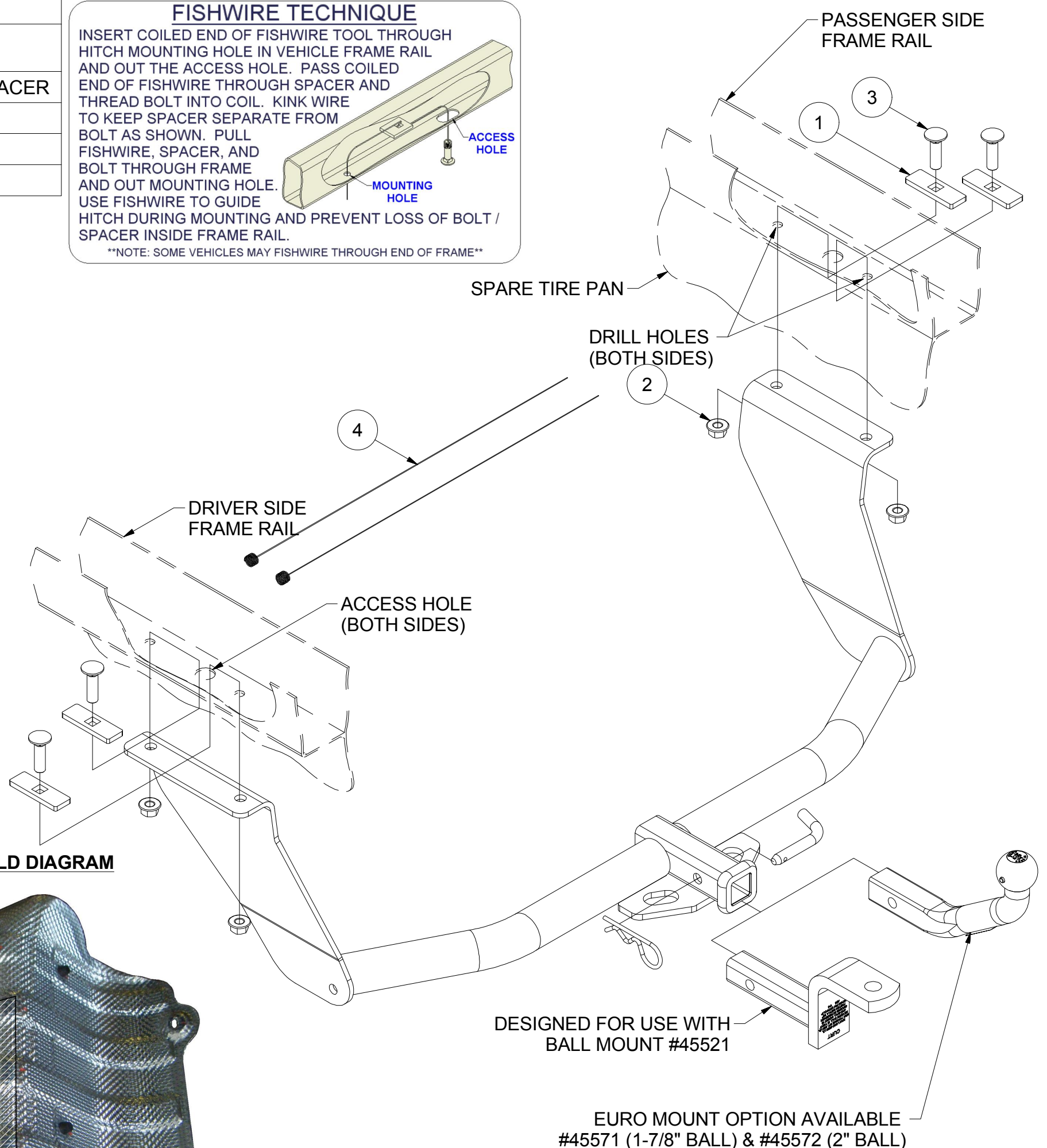
INSTALL TIME

PROFESSIONAL: 30 MINUTES

NOVICE (DIY): 60 MINUTES

INSTALL NOTES:

- LOWER EXHAUST
- DRILLING REQUIRED
- FISHWIRE HARDWARE
- TRIM HEAT SHIELD
- 2 PERSON INSTALL RECOMENDED



INSTALLATION STEPS

- 1) Remove (4) rear rubber exhaust isolators, and gently lower exhaust. Remove heat shields by removing (6) screws with a 10mm socket, both sides.
NOTE: On 2012 models remove (2) nuts with a 19mm socket in front of mufflers each side.
- 2) Raise hitch into position, center and square to frame rails and vehicle, just after the frame angles downward. Mark and drill (4) holes with 17/32" drill bit for 1/2" fasteners.
- 3) Lower hitch and fishwire (2) bolts and (2) spacers into position on each side as shown in the Fishwire Diagram.
- 4) Raise hitch back into position and install supplied hex flange nuts. Torque all 1/2" fasteners to 110 lb-ft.
- 5) Modify heat shields as in trim diagram and reinstall with original fasteners. Raise exhaust and reinstall (4) rubber exhaust isolators removed in step (1).
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Scan for more information

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