13329 **INSTALLATION INSTRUCTIONS**

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

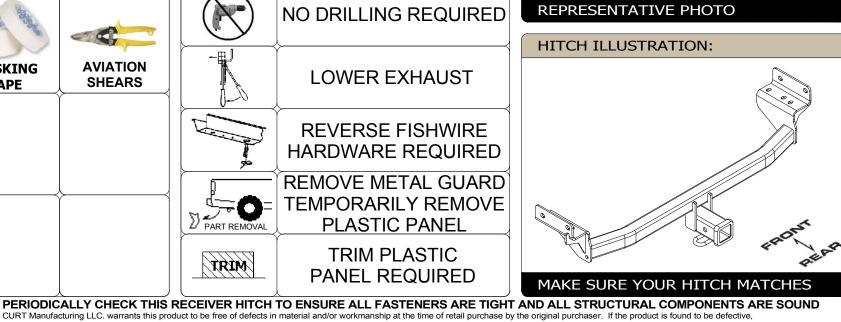
YEARS: 2017-PRESENT

CURT

MAKE: KIA

MODEL: NIRO

STYLE: CUV 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:** 525 LBS. **PRO INSTALL TIME:** 20 MIN. **INSTALLATION TIPS: VEHICLE PHOTO: NOVICE INSTALL TIME:** 45 MIN. 1. BEFORE YOU BEGIN INSTALLATION, READ ALL INSTRUCTIONS THOROUGHLY. IF YOU ARE HESITANT TO UNDERTAKE 2. TO EASE INSTALLATION, 2 PEOPLE MAY BE THIS TASK ON YOUR OWN, CONTACT AN AUTHORIZED REQUIRED. CURT INSTALLER FOR ADDITIONAL ASSISTANCE. 3. USING PROPER TOOLS WILL GREATLY IMPROVE (KIA) THE OUALITY OF THE INSTALL AND REDUCE THE TIME REQUIRED. **INSTALLATION REQUIRES:** 4. NEED HELP OR HAVE SOME OUESTIONS? CALL TECHNICAL SUPPORT AT 800.798.0813 6" LEVEL OF DIFFICULTY: MODERATE CURI SOCKET TORQUE MODERATE CHALLENGING EASY **EXTENSION** WRENCH **REPRESENTATIVE PHOTO** 12mm





SCAN FOR

MORE INFO

RATCHET

SOCKET

SAFETY

GLASSES

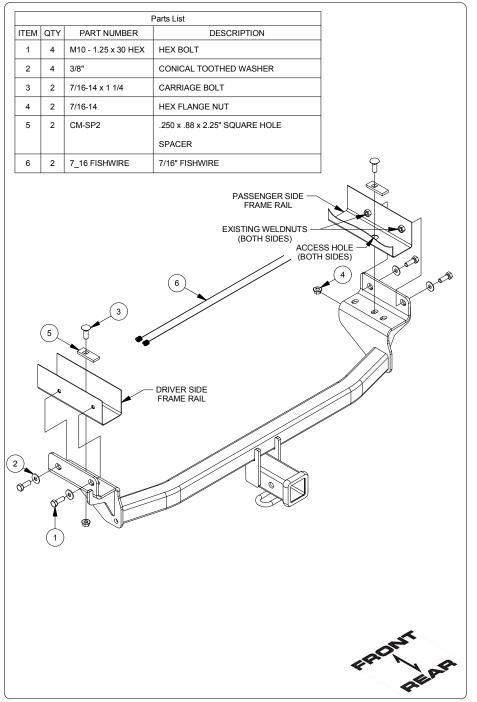
16mm 11/16"

MASKING

TAPE

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

INSTALLATION WALKTHROUGH:



For more information log onto www.curtmfg.com

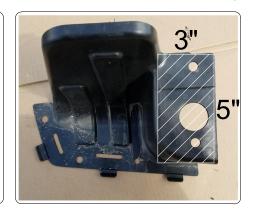
 Remove (4) bolts securing the metal exhaust guard using a 12mm socket as shown, return to customer. Lower exhaust by removing (3) rubber exhaust isolators, (1) on the driver side, (1) on the passenger side, and (1) in the center of the vehicle.





- Y
- Remove (3) plastic push pins and (2) plastic nuts securing the plastic panel using a screwdriver and a 14mm socket. Mark out a 3" x 5" section using masking tape and trim using aviation shears. Confirm trim prior to reinstallation.





INSTALLATION WALKTHROUGH:

3. Remove (1) rubber plug from each side of the frame rail to reveal access hole and reverse fishwire (2) 7/16" carriage bolts and (2) CM-SP2 spacers, (1) on each side, through the access hole of the frame rail. (SEE REVERSE FISHWIRE DIAGRAM)

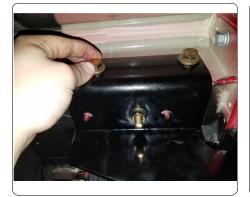


4. Raise hitch into position and feed fishwires through center hole on the hitch. Remove fishwires and loosely secure with 7/16" hex flange nuts.



For more information log onto www.curtmfg.com

5. Install (4) M10-1.25 hex bolts and (4) conical tooth washers, (2) on each side of the hitch.





- +
- 6. Torque all M10 hardware to 45 ft-lbs. and all 7/16" hardware to 59 ft-lbs. Reinstall following steps 1 and 2 in reverse order.





TOWING SAFETY INFORMATION

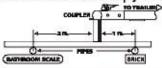
Gross Trailer Weight / GTW

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.

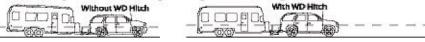


Weight Carrying / WC

The total weight of both the trailer and the cargo inside. Never exceed the weight capacity of your trailer hitch.

Weight Distribution / WD

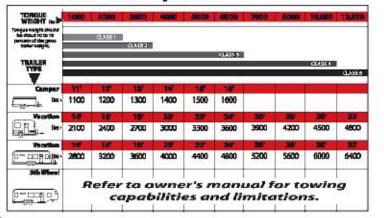
Used to balance the weight of the cargo between the front and rear wheels throughout the trailer, allowing for better steering, braking, and level riding.



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.

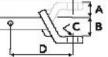
How Much Can You Safely Tow?



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)

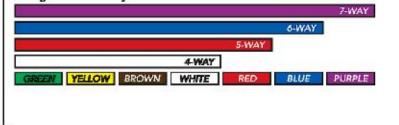
Class 3: 5,000 lbs. (22.2 kN)

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:





13329 **KIA NIRO** 7/11/2017 GROSS LOAD CAPACITY WHEN USED AS A WEIGHT CARRYING HITCH: 3,500 LBS. TRAILER WEIGHT & 525 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 1-800-798-0813 Parts List ITEM QTY PART NUMBER DESCRIPTION M10 - 1.25 x 30 HEX HEX BOLT 4 1 3/8" 2 4 CONICAL TOOTHED WASHER PASSENGER SIDE 3 2 7/16-14 x 1 1/4 CARRIAGE BOLT FRAME RAIL Ø 2 7/16-14 HEX FLANGE NUT 4 (0)5 2 CM-SP2 .250 x .88 x 2.25" SQUARE HOLE SPACER 6 2 7 16 FISHWIRE 7/16" FISHWIRE ACCESS HOLE (BOTH SIDES) **RUBBER ISOLATOR REMOVAL DIAGRAM** Ø This technique can be used if an Exhaust Hanger Removal Pliers is not available. Using a 5/8" open end wrench, slide the Ø wrench up to the rubber isolator, cradling Þ the hanger rod as shown. Next place the \bigcirc 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 EXISTING WELD NUTS isolator helps removal. (BOTH SIDES) 3" **DRIVER SIDE** FRAME RAIL 2 **TRIM DIAGRAM** O

HITCH WEIGHT: 28 LBS. **INSTALL TIME PROFESSIONAL: 20 MINUTES**

NOVICE (DIY): <u>45</u> MINUTES <u>INSTALL NOTES:</u> -NO DRILLING REQUIRED -REVERSE FISHWIRE HARDWARE REQUIRED -TEMPORARILY REMOVE PLASTIC PANEL/REMOVE METAL GUARD TRIMMING REQUIRED	RATCHET TORQUE WRENCH 6" SOCKET EXTENSION 12mm, 16mm, 11/16" SOCKETS MASKING TAPE AVIATION SHEARS SAFETY GLASSES	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.	FRONT
-TRIMMING REQUIRED	SAFETY GLASSES		

INSTALLATION STEPS

- 1. Remove (4) bolts securing the metal exhaust guard using a 12mm socket as shown, return to customer. Lower exhaust by removing (3) rubber exhaust isolators, (1) on the driver side, (1) on the passenger side, and (1) in the center of the vehicle.
- 2. Remove (3) plastic push pins and (2) plastic nuts securing the plastic panel using a screwdriver and a 14mm socket. Mark out a 3" x 5" section using masking tape and trim using aviation shears. Confirm trim prior to reinstallation.
- 3. Remove (1) rubber plug from each side of the frame rail to reveal access hole and reverse fishwire (2) 7/16" carriage bolts and (2) CM-SP2 spacers, (1) on each side, through the access hole of the frame rail.
- 4. Raise hitch into position and feed fishwires through center hole on the hitch. Remove fishwires and loosely secure with 7/16" hex flange nuts. (SEE REVERSE FISHWIRE DIAGRAM)
- 5. Install (4) M10-1.25 hex bolts and (4) conical tooth washers, (2) on each side of the hitch.

TOOLS REQUIRED

6. Torque all M10 hardware to 45 ft-lbs. and all 7/16" hardware to 59 ft-lbs. Reinstall following steps 1 and 2 in reverse order.



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.