

INSTALLATION INSTRUCTIONS

Rev. 2

MODEL NO. 88060

Hardware Kit #112603

APPLICATION:

2007-Current Mazda CX-7

WARNING

Although this hitch is designed to safely tow its rated load, we recommend that you consult your vehicle owner's manual for possible manufacturer's recommendations or limitations. Always follow the manufacturer's installation instructions and always install on the specified vehicle. Before installing hitch, check that the attachment points are in good condition.

Failure to follow these guidelines will void warranty. Any modifications to this hitch will void warranty.

CLASS II

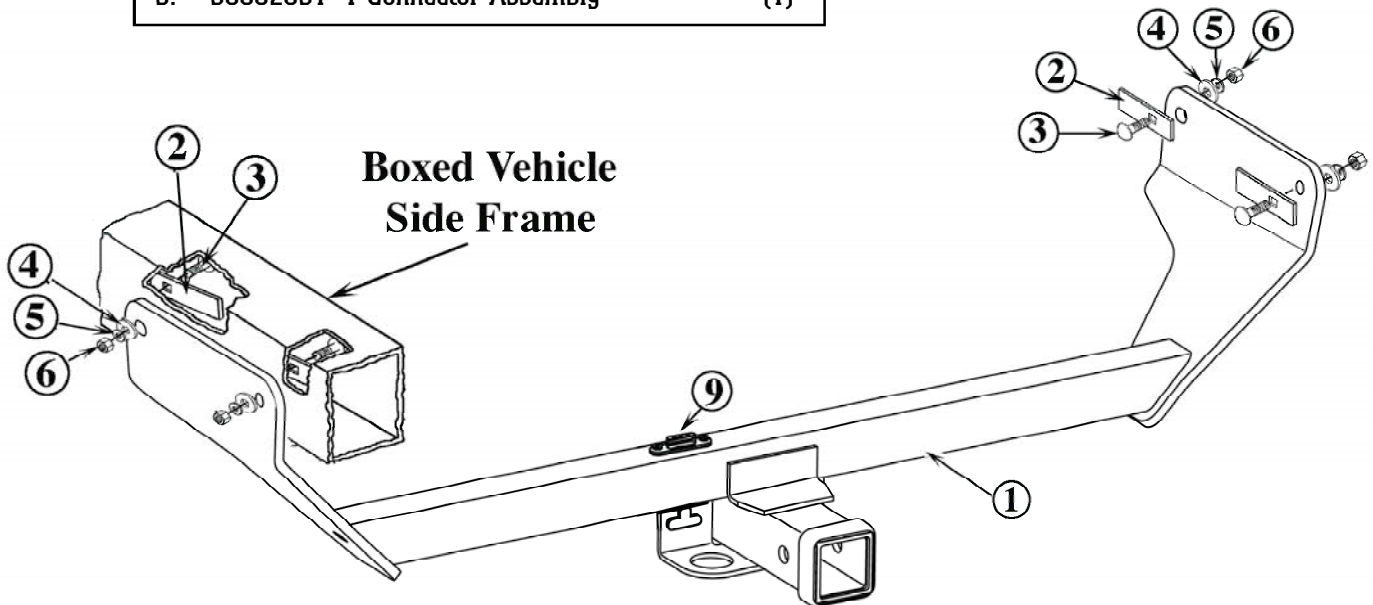
WEIGHT CARRYING HITCH CAPACITY

**3,500 LBS. MAXIMUM TRAILER WEIGHT
350 LBS. MAXIMUM TONGUE WEIGHT**

Trailer brakes are recommended for towing loads in excess of 1500 lbs.

COMPLETE PARTS LIST

Part	Description	Quantity
1.	880611 Receiver Assembly	(1)
<i>HARDWARE KIT #112603</i>		
2.	111352 7/16 Square Hole Plate	(4)
3.	279301 7/16-14 x 1-1/2 Carriage Bolt	(4)
4.	188703 7/16 Flatwasher	(4)
5.	187903 7/16 Lockwasher	(4)
6.	186103 7/16-14 Hex Nut	(4)
7.	476201 Pull Wire	(2)
8.	112604 Instruction Sheet	(1)
<i>T CONNECTOR</i>		
9.	30002031 T Connector Assembly	(1)



1. **Read instructions thoroughly before beginning.**

2. Open the vehicle's rear hatch and remove the plastic threshold cover, floor coverings, cargo trays, and access panels. Remove the cargo tie down hardware and pull out slightly on the left and right side interior trim panels.

3. Locate the black rubber grommet in the floor on the right (passenger) side of the vehicle and remove (Fig. 1). Route the Hitch Wiring Harness end through the hole and route the black 12 Ga. wire up through the grommet before fixing grommet into place, leave approximately 3 ft. inside.



Fig. 1

4. Locate the vehicle's tail light wiring harness within the access panels on each side of the vehicle (Fig. 2). The harness will have connectors similar to those on the Hitch Wiring Harness. Separate the vehicle's wiring harness connectors by pressing on the locking tabs and pulling apart.

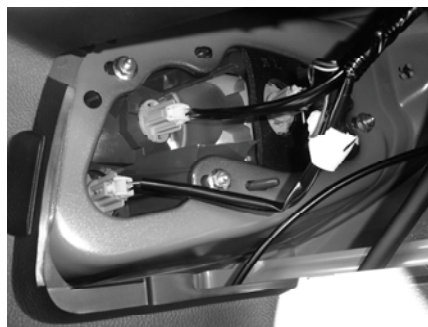


Fig. 2

5. Beginning on the left (driver's) side, insert the Hitch Wiring Harness ends with the Green wires between the separated vehicle connectors containing two wires. Press firmly together to ensure the locking tabs engage

6. Route the Hitch Wiring Harness ends containing the Red & Brown wires below the threshold to the left (driver's) side. Place between separated vehicle harness connectors containing the three wires. Press firmly together to ensure the locking tabs engage.

7. Also route the Hitch Wiring Harness ends with the Yellow wire's to the right (driver's) side of the vehicle and repeat step 5.

8. From inside the trunk strip 5/16" of insulation from the black wire, routed in step 3. Connect to the Black wire on the Hitch Wiring Harness' black box using the butt connector provided.

9. On the right (passenger's) side of the vehicle, mount the Hitch Wiring Harness' black box on the floor of the trunk using the foam tape provided. Ensure proper clearance for all trim panels, liners and threshold prior to securing into place.

10. Locate a clean accessible mounting location on the vehicle near the Hitch Wiring Harness' black box within reach of the white wire and grounding eyelet. Drill a 7/64" hole.

Caution: Take care not to drill through the body or any exposed surface.

11. Mount the white wire using the ground screw and eyelet provided.

12. Locate the 12 Ga. Black wire routed underneath the vehicle during step 3. Following existing vehicle wiring, continue routing the Black wire into the engine compartment to the vehicle battery.

Caution: When routing, take care to avoid hot pipes, heat shields, the fuel tank and any sharp surfaces or moving parts

13. Remove the vehicle's negative (-) battery cable. If present, remove the 7.5 amp fuse from the supplied in-line fuse holder assembly.

14. Strip 5/16" of insulation from the end of the Black wire and connect it to the fuse holder assembly using the butt connector provided.

15. With the fuse removed, connect the 3/8" ring terminal on the end of the fuse holder to the vehicle's Positive (+) battery terminal.

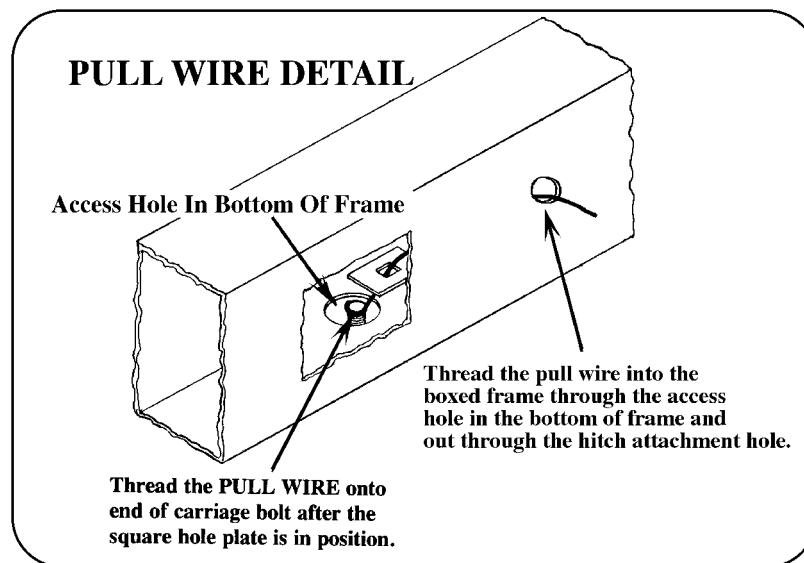
16. Reconnect the vehicle's Negative (-) battery terminal and insert the 7.5 amp fuse into the fuse holder installed in step 13.

Caution: Do not use exceed fuse rating of 7.5 amps.

Warning: Do not attempt to connect the Black power wire to the vehicle fuse panel or any other accessory wiring. Failure to connect directly to the vehicle battery could cause vehicle damage and/or trailer light failure.

Hitch Installation

1. Locate the two tape covered holes on the outer surface of each vehicle frame. Remove tape from holes on each frame. This will be the hitch attachment location.
2. Remove the rubber muffler supports from the attachment rods at each end of muffler. This will allow the muffler to drop down and give clearance to install the hitch.
3. With the help of another person, position the hitch assembly up against the outer and bottom surface of each vehicle side frame. Temporarily hold hitch in place at three locations by inserting bolts through hitch into boxed vehicle frame.
4. Assemble a carriage bolt #3 with a square hole plate #2 and pull wire #7. Insert this assembly into vehicles frame through access hole in bottom of frame. Pull carriage bolt out through frame and open hole in hitch frame bracket. See Illustration below. Loosely secure bolt in place with flatwasher #4, lockwasher #5 and hex nut #6. Repeat this procedure at the remaining three attachment points.
5. Tighten the 7/16" bolts to 50 ft. lbs torque. Failure to tighten bolts as described may result in fastener loss or failure.
6. Plug the remaining connector of the installed harness into the mating connector on the inward side of the hitch once installed. Press the connectors firmly together, ensuring that the locking tabs engage.
7. Confirm correct operation of the 4-Flat connector by using a test light or a properly equipped trailer.
8. Secure any loose wires under the vehicle using cable ties. Return the tail light assembly, trim panel, cargo cover, cargo net and threshold to their original positions
9. Re-attach the rubber muffler hangers to their support rods.



WARNING: Use only a 5/8" diameter hitch pin with locking device to secure a ball mount in this receiver.

WARNING: Be sure to check the hitch pin and hair pin for positive locking placement before towing trailer.

NOTE: Some states require a clear view of license plates. Remove trailer ball and/or ball mount when not in use if it restricts view.

For information regarding the installation of this product, go to: www.towingsupport.com
or Email us at: tech@towingsupport.com or Call our Technical Support Team at: 1-800-344-3230

This product complies with regulation V-5, C.S.A Standard D-264 and safety requirements for connecting devices and towing systems of the State of New York