

PRO-FIT®

SUPERIOR VALUE, FIT & FUNCTION

NOTICE

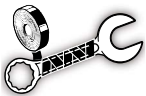
Read all of the following safety and service instructions before attempting installation. Wear safety glasses during installation.

WARNING

Park the vehicle on a flat surface. Turn the key to the 'OFF' position and remove it from the switch. Install wheel chocks in front and behind each wheel before the installation procedure. Using an insulated wrench, disconnect the battery cable at the negative (BL-) battery terminal.

To prevent battery explosion that could result in severe personal injury or death, keep all smoking materials, open flame or sparks away from the batteries.

Be sure that the key switch is off and all electrical accessories are turned off before starting work on vehicle.



Wrap wrenches with vinyl tape to prevent the possibility of a dropped wrench from 'shorting out' a battery, which could result in an explosion and severe personal injury.



Always wear a safety shield or approved safety goggles when working on the vehicle.

Tool List.....	Qty.
Ratchet.....	1
Rubber mallet.....	1
Set of standard + metric sockets.....	1
Set of standard + metric wrenches	1
Insulated Wrench, 9/16"	1
Wheel Chocks	4
Drill Bits, 1/4", 15/32".....	1

Tool List.....	Qty.
Torque Wrench, ft. lbs.	1
Saber Saw or Dremel Tool w/Cutting Blade	1
Phillips Screwdriver.....	1
Utility Knife	1
Tape	A/R
Set of Torx bits	1

ACCESSORY HARNESS INSTALLATION:

Preparation

1. Make sure the key switch is turned off, remove the key, install chocks in front of and behind one front wheel, then remove the seat bottom from the vehicle.
2. Using an insulated wrench, disconnect the negative cable (-) first and then the positive (+) cable from the battery (gas vehicles) or battery pack (electric vehicles)
3. Remove the lower rocker panel (1) by removing three Torx screws (3).
4. Remove the upper rocker panel (2) by removing the two remaining Torx screws (3). See figure 1 for steps 3 - 4.
5. Remove the lower and upper rocker panels from the other side of the vehicle.
6. Remove the seven Christmas tree rivets (5) securing the floor mat (4) to the floorboard See figure 2.
7. Remove floor mat.
8. Remove the pedal box cover.

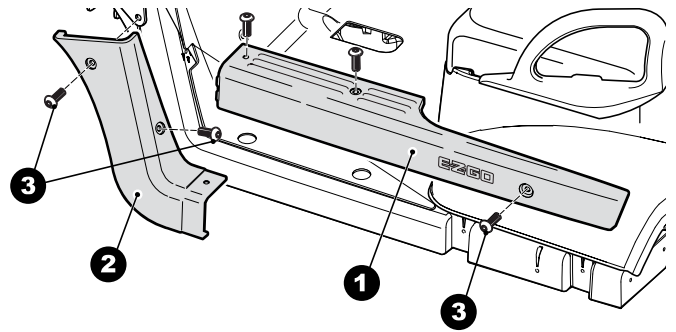


Figure 1

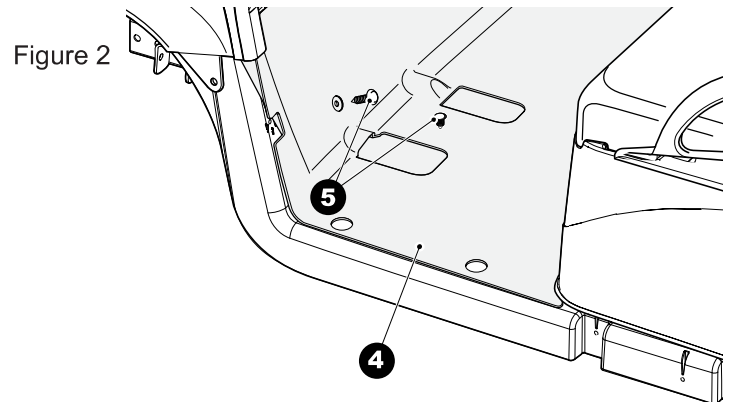


Figure 2

9. Remove the three self threading nuts (20) securing the cup holder assembly (15) to the instrument panel (13). See figure 3.
10. Remove the cup holder and set aside.
11. Remove the four Torx screws (11) securing the trim panel (12) to the instrument panel (13) and cowl (14). See figure 4.

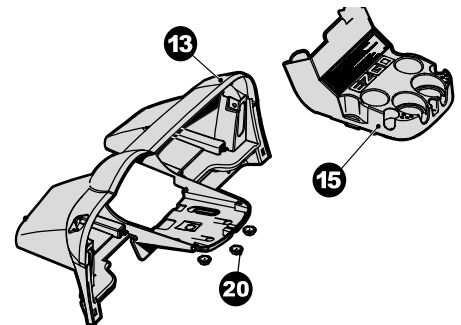


Figure 3

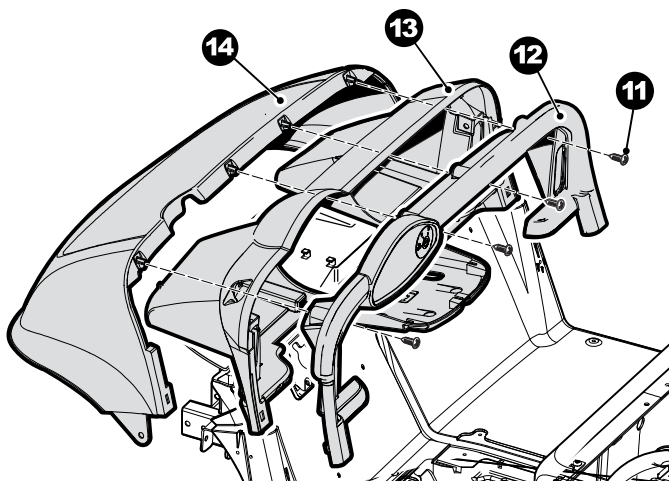


Figure 4

12. Locate the tab in the fender well area, under the cowl (14). The tab extends from the instrument panel (13) through a slot in the cowl, squeeze the legs of the tab together and push to the back of the vehicle while pulling forward on the cowl. Repeat for the other side — **at this point the cowl is completely loose** — remove the cowl. See figure 4.
13. Loosen the trim panel (12) by pulling it away from the instrument panel (13) along the upper edge then grip the ball holder with both hands and pull away from the instrument panel (13); move to the other side of the vehicle and grip the ball holder on that side with both hands and pull it away from the instrument panel (13). See figure 4.
14. Disconnect wires to the instruments located in the trim panel then remove the trim panel (12) and set it aside. See figure 4.
15. Remove the two Torx head screws that secure the front edge of the rear body and seat support frame to the floorboard.
16. Remove the two Torx head screws along back edge of the seat opening that secure the rear body to the seat support.
17. Remove the four Torx head screws; two on each side that secure the lower edge of the rear body to the floorboard.
18. Remove the two Torx head screws from the bag well that secure the rear body to the rear bumper.
19. Raise the front edge of the rear body several inches and support it with a block or piece of 2" x 4" wood. This will allow the harness to be passed between the rear body and the floorboard.

HARNES INSTALLATION:

20. Starting in the cup holder, route the forward section of the harness in the tabs on the front splash shield, making sure that the wires tagged 'Driver Side' are routed to the driver's side of the vehicle and the wires tagged 'Passenger Side' are routed to the passenger side.
21. Route the wires for the headlight switch through the opening in the instrument panel.
22. Route the rest of the harness down through the cup holder and in through the floorboard channel and under the rear body, along with the main wiring harness. **Make sure that the harness sits below the level of the floor.** Route the Light harness for the driver side brake light between the rear body and the battery pack and around the driver's side of the battery pack to the splash shield. Secure the wires in the guides on the splash shield. See figure 5.
23. Route the drivers side tail light section of the harness over the splash shield to the drivers side tail light. Route the passenger side tail light section of the harness across the vehicle, in between the battery pack and the motor to the passenger side splash shield, and then to the passenger side tail light.

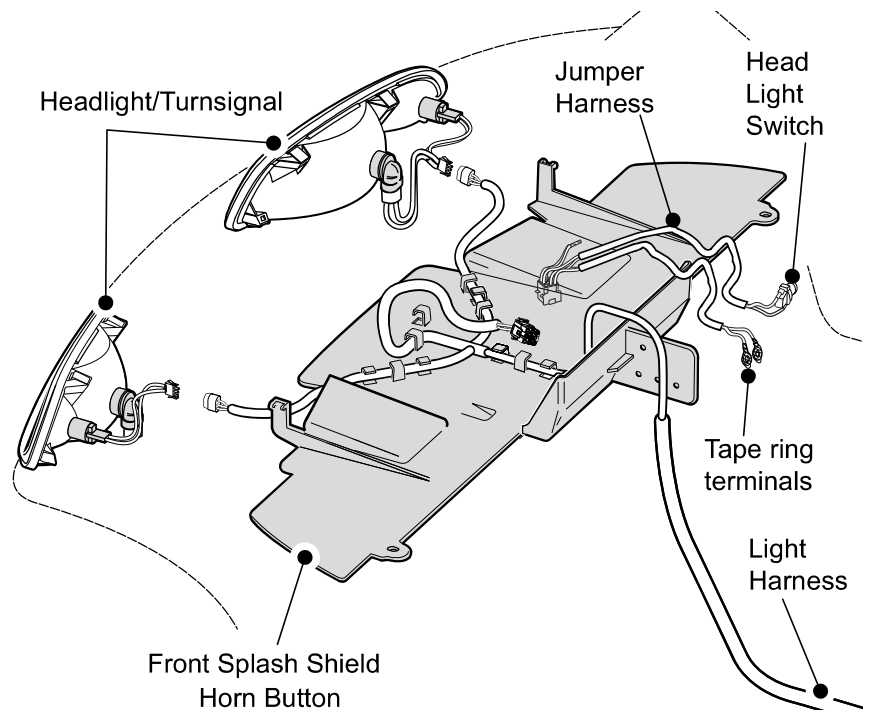


Figure 5

24. Reinstall the pedal box assembly.
25. With the light harness routed under the rear body, remove the piece of wood that has kept the rear body raised, make sure that all wires are routed in the floorboard channels and not pinched between the rear body and floorboard. Install the two Torx head screws along the front edge of the rear body and seat support frame into the floorboard. Install the two Torx head screws along the back edge of the seat opening that secures the rear body to the seat support, tighten the screws to 13 - 16 ft. lbs. (18 - 22 Nm) of torque. Install the Torx head screw that secures the side of the rear body to the frame (one on each side of the vehicle), tighten the screws to 26 - 44 in. lbs. (3 - 5 Nm) of torque. Install the two Torx head screws in the bagwell, tighten the screws to 6 - 9 ft. lbs (8 - 12 Nm) of torque.

26. Replace the floor mat and secure with Christmas tree rivets, making sure to use the shorter ones in the upper holes of the floor mat.

27. Install the upper and lower rocker panels, tighten the Torx screws to 27 - 44 in. lbs. (3 - 5 Nm) of torque.

HEADLIGHT INSTALLATION:

1. Locate the headlight template and carefully trim the template (1) along contour edges and the headlight opening. See figure 6.

2. Align the template (1) with the body contour line and the lower edge of the cowl. Use tape to secure the template in position. See figure 7.

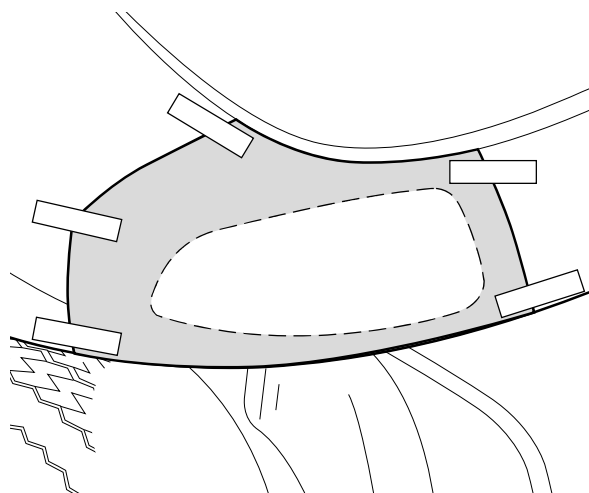


Figure 7



CAUTION

Make certain that the template is properly aligned before drilling or sawing.

4. Drill a 1/4 inch hole anywhere inside the path of the headlight — to be used for inserting the blade of a saber saw or Dremel tool bit.
5. Carefully cut out the opening for the headlight.
6. Remove the template (1) and clean area of debris.
7. Reverse the template for the opposite side installation and repeat steps 2 through 5.
8. Install the cowl onto the vehicle using the lower instrument panel tabs to secure it in place.
9. Locate the connectors for the headlight and turn signal from the previously installed wiring harness and connect to the headlight assembly (2); then, carefully press the headlight assembly (2) into the cutout opening until the spring tabs latch. Repeat this step for the other side. See figure 8.

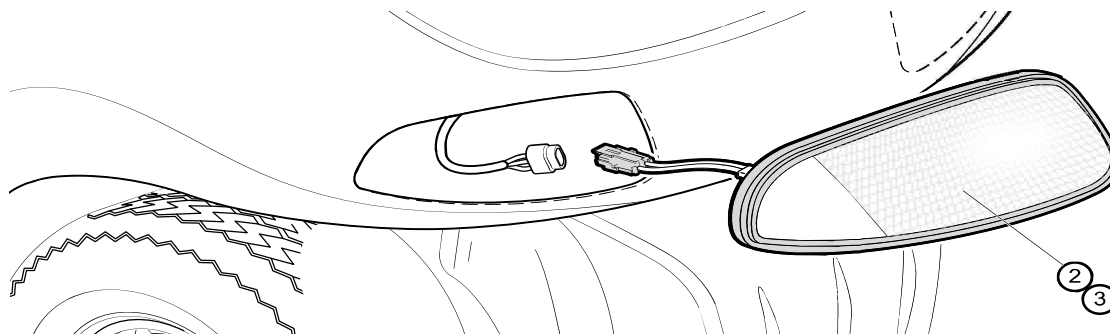
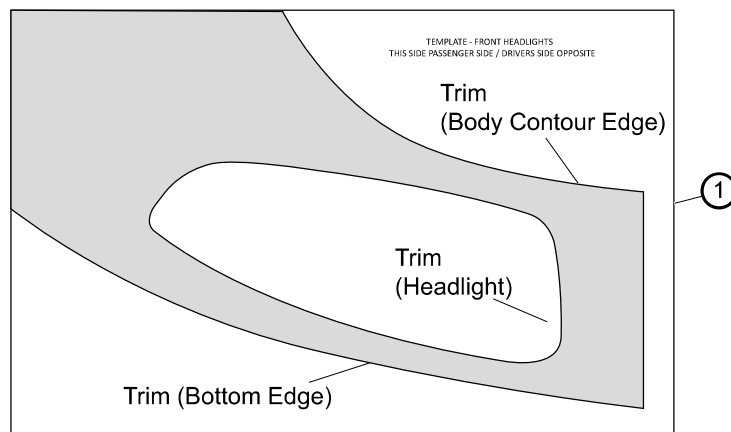


Figure 8

Figure 6



TAILLIGHT INSTALLATION:

1. Carefully trim the template (4) along contour edges. See figure 9.
2. Align the contour edges of the template with those of the car. The straight edge should be aligned with the vertical edge of the bag-well opening, the curved edge with the curve on the top of the fender well.

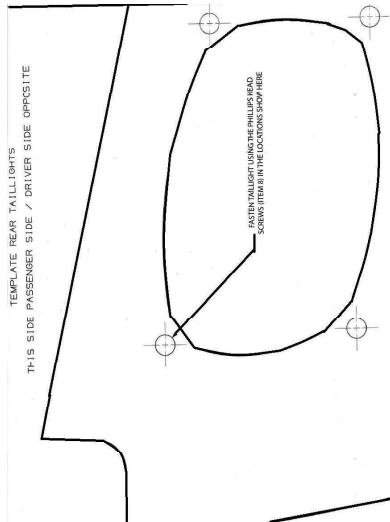


Figure 9



CAUTION

Make certain that the template is properly aligned before drilling or sawing.

3. Drill a 1/4" hole anywhere inside the path of the taillight — to be used for inserting the blade of a saber saw or Dremel tool bit.
4. Remove the template (4) and clean area of debris.
5. Locate the connector for the taillight from the previously installed wiring harness and connect it to the taillight assembly.
6. Align the taillight assembly (7) for passenger side. Then insert the four Phillips head screws (8) and tighten until snug. See figure 10. ***DO NOT OVER TIGHTEN SCREWS***
7. Reverse the template for the opposite side installation and repeat steps 2 through 6. *Taillight may not match picture.*



Figure 10

Hazard Switch and Turn Signal Installation:

- 1. Using a drill with a 15/32” drill bit, drill a hole in the desired location for the hazard switch on the flat part of the instrument area of the trim panel.
- 2. Install the hazard switch by first removing the switch knob. Then remove the top nut from the hazard switch, align the switch with the hole from step 1, and then reinstall the nut to secure the switch to the trim panel. Reattach the light switch knob. See figure 11.
- 3. Remove side cover from turn signal housing by pulling on the tab on each side.
- 4. Remove the 4 screws that clamp the turn signal housing to the steering column.
- 5. Mount the turn signal housing to steering column 1/4” from the bottom of the steering wheel using the clamps and screws from step 8. See figure 3. ****Note: Make sure the turn signal housing is not making contact with the steering hub as this will make it difficult to steer the vehicle.****
- 6. Insert wiring harness into the valley of the steering column cover. Press steering column cover over the steering column until it snaps into place. Be sure that the top of the steering column cover is flushed up against turn signal housing.
- 7. Route the wiring harness under the cup holders into the dash and connect the 9-pin adapter to the 9-pin adapter on the accessory harness.
- 8. Plug the red and yellow wires into the back of the hazard switch. The orientation of the wires is not critical.
- 9. Install the four Torx head screws that secure the instrument panel trim to the instrument panel and front cowl. Tighten the Torx head screws to 27 - 44 in. lbs. (3 - 5 Nm) of torque. Also reinstall the cup holders with original hardware.



Figure 11

Installing Brake Pad Switch and Horn:

1. Mount the horn to a safe location, such as to the frame under the front cowl. Refer to the picture below. Be sure that mounting location does not interfere with suspension and steering components. See figure 12. If installing on a gas vehicle, use horn labeled 12V. If installing on an electric vehicle, use horn labeled 48V. *Actual horn may not match the horn in the picture.*



Figure 12

2. Connect the two spade connectors from horn lead to the tabs on the horn. Orientation is not critical.
3. Connect the brake pad switch connectors to the connectors on the brake switch lead from the light harness. Screw the brake pad switch to the brake pedal using supplied hardware.

POWER CONNECTIONS:

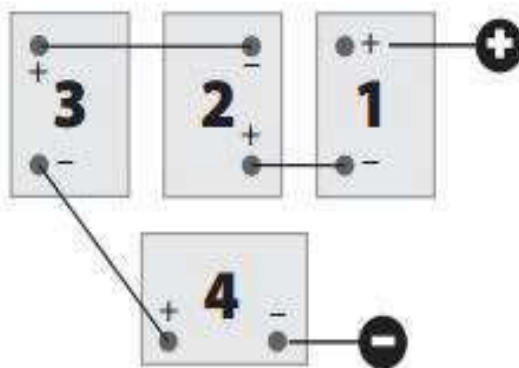


Figure 13

NOTICE

If installed on a gas vehicle, connect red lead to positive and the black lead to negative on the battery.

1. Connect the positive wire (RED) to the positive on battery 1. Connect the Negative wire (Black) to the negative on battery 4. Refer to figure 13.
2. Using an insulated wrench, connect the Positive (+) cable from the main harness to the battery pack. Connect the Negative (-) cable from the main harness to the battery pack. Be sure to connect the wires to the batteries in their proper locations.

KIT CONTENTS

ITEM	QUANTITY	DESCRIPTION
1.....	1.....	HEADLIGHT TEMPLATE
2.....	1.....	HEADLIGHT ASSEMBLY, DRIVERS SIDE
3.....	1.....	HEADLIGHT ASSEMBLY, PASSENGER SIDE
4.....	1.....	TAILLIGHT TEMPLATE
5.....	1.....	ELECTRIC LIGHT HARNESS
6.....	1.....	TAILLIGHT ASSEMBLY, DRIVERS SIDE
7.....	1.....	TAILLIGHT ASSEMBLY, PASSENGER SIDE
8.....	1.....	STEERING COLUMN COVER
9.....	1.....	HAZARD SWITCH
10.....	16.....	ZIP TIES
11.....	1.....	HORN
12.....	1.....	TURN SIGNAL SWITCH
13.....	1.....	TURN SIGNAL HARNESS