## INSTALLATION INSTRUCTIONS

### TRAILER HITCH

**Accessories**

**Application**

**2006 RIDGELINE**

**Publications No.**

AII 28632

**Issue Date**

FEB 2005

### PARTS LIST

**Trailer Hitch Kit:**

P/N 08L92-SJC-100

- **Receiver cover**

- **Ball mount**

**Trailer Harness Kit**

P/N 08L91-SJC-100

- **Control unit**

- **Socket**

- **Sub fuse box upper cover**

- **Unit bracket**

- **3 Fuses 20A**

- **Fuse 7.5A**

**Trailer hitch**

- **6 Bolts, 12 x 40 mm**

- **2 Bolts, 10 x 30 mm**

- **6 Plain washers, 12 mm**

- **2 Plain washers, 10 mm**

- **6 Spring washers, 12 mm**

- **2 Spring washers, 10 mm**

- **Hitch pin**

- **Hitch pin clip**
**Tools and Supplies Required**

- Phillips screwdriver
- Flat-tip screwdriver
- Ratchet
- 10 mm, 14 mm, 16 mm, 17 mm and 18 mm Socket
- Torque wrench
- 10 mm, 14 mm and 16 mm Combination wrench
- Diagonal cutters

**Illustration of the Trailer Hitch Installed on the Vehicle**

**Installation**

**Customer Information:** The information in this installation instruction is intended for use only by skilled technicians who have the proper tools, equipment, and training to correctly and safely add equipment to your vehicle. These procedures should not be attempted by “do-it-yourselfers.”

1. Make sure you have the anti-theft code for the radio, then write down the radio station presets.
2. Disconnect the negative cable from the battery.
Installing the Control unit

3. Remove the left dashboard side cover (seven clips).

4. Remove the driver’s dashboard lower cover:
   - Remove the one self-tapping screw.
   - Release the nine clips, and pull out the driver’s dashboard lower cover.
   - Unplug the vehicle connectors, and remove the vehicle tube. Remove the lower cover.

5. Install the control unit into the unit bracket. Do not push against the connector area.

6. Get the control unit harness and one relay. Install the relay into the control unit harness relay block.
7. Plug the control unit harness 12-pin connector into the control unit.

8. Push the connector clip from the control unit harness into the square hole in the unit bracket.

9. On the right side of the steering shaft, locate the vehicle 10-pin connector blue-taped to the vehicle harness, and remove the blue-tape to free the connector.

10. Plug the vehicle 10-pin connector into the control unit harness 10-pin connector.

11. Under the dashboard on the driver’s side of the vehicle, install the unit bracket to the vehicle frame with one 6 x 16 mm flange bolt.

12. Install the relay block from the control unit harness to the unit bracket.
Attaching the Relay

13. Using a flat-tip screwdriver through the hole in the side of the dashboard, remove the vehicle relay block as shown.

14. Install the relay into the vehicle relay block, and reinstall the vehicle relay block.

Securing the Vehicle 10-Pin Connector

15. Under the rear bumper on the left side, locate the vehicle 10-pin connector green-taped to the vehicle harness. Remove the green-tape to free the connector.

16. Measure the end of the harness and attach one wire tie with clip to the vehicle harness as shown.
17. Push the wire tie with clip into the hole in the vehicle frame.

18. Lower the muffler by removing the two rubber exhaust hangers.

19. Remove the four bolts, and slide the exhaust cover around the muffler to allow access to the trailer hitch mounting holes.

20. With the help of an assistant, position the trailer hitch under the vehicle, and install six 12 x 40 mm bolts with six 12 mm plain washers and six 12 mm lock washers.

21. Install two 10 x 36 mm bolts with two 10 mm plain washers and two 10 mm lock washers to secure the center of the trailer hitch. First torque the 12 x 40 mm bolts to 80 N·m (59 lbf·ft), then torque the 10 x 36 mm bolts to 46 N·m (34 lbf·ft).
22. Slide the ball mount into the trailer hitch. Align the holes in the trailer hitch with the holes in the ball mount, then insert the hitch pin into the hole. Secure the hitch pin with the hitch pin clip.

Installing the Socket

23. Install the 10-pin socket to the socket bracket with two 6 x 16 mm flange bolts.

24. Remove the cover from the 4-pin socket, and install the 4-pin socket to the socket bracket with two 6 x 35 mm flange bolts and two 6 mm flange nuts. Reattach the cover.

25. Route the harness from the socket through the opening in the trailer hitch, and install the socket bracket to the trailer hitch with two 6 x 16 mm flange bolts.

26. Remove the dummy connector from the vehicle 10-pin connector, and plug the socket 10-pin connector into the vehicle 10-pin connector.

27. Install the connector clip into the vehicle 10-pin connector, then push the connector clip and the socket harness clip into the holes in the body panel.
Installing the Fuses

28. Under the hood, remove the sub fuse box upper cover. Install the three 20A fuses and one 7.5 A fuse into the slots in the sub fuse box. Install the sub fuse box upper cover from the kit.

29. Check that all wire harnesses are routed properly and all connectors are plugged in.

30. Reinstall all removed parts. Check that all clips and fasteners are installed securely.

31. Reconnect the negative cable to the battery.

32. Reset the clock, and reset the radio station presets.

33. Check the operation of the trailer harness according to the Owner’s Manual supplied.

NOTE: Whenever the battery is disconnected, the driver’s window AUTO function is disabled.

34. Start the engine. Push down on the driver’s window switch until the window is fully open.

35. Pull up on the driver’s window switch fully to close the window completely, then hold the switch for 2 seconds or more.

36. Test the window AUTO function.

NOTE: After about 620 miles (1,000 km) of use, retighten the bolts and nuts to the specified torque.

Installing the Subharness

This subharness is used with an electric brake controller (sold separately). Refer to the vehicle Owner’s Manual for detailed information about using the subharness.