

SUN ROOF - POWER

Article Text

1993 Honda Prelude

For Cadi Centre Nsk CA 95051

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ARTICLE BEGINNING

1986-94 ACCESSORIES/SAFETY EQUIPMENT

Honda Power Sun Roof

Prelude

DESCRIPTION & OPERATION

Power sun roof is operated with ignition switch in ON position. Prelude is equipped with a steel sun roof. Sun roof slides rearward. Prelude uses a permanent magnet type motor to operate a cable drive to open and close sun roof. If sun roof power drive fails, sun roof can be operated manually by using a socket inserted through access hole near drive motor.

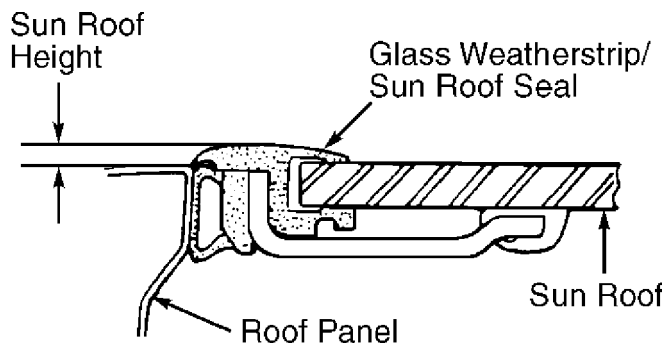
ADJUSTMENTS

CABLE DRIVE CLUTCH

Information not available from manufacturer.

SUN ROOF HEIGHT

Roof panel should be even with sun roof panel seal within 0.06-0.09" (1.4-2.4 mm). See Fig. 1. If adjustment is required, remove sun roof inner liner. Remove sun roof panel mounting nuts. Install or remove shims between sun roof panel and panel bracket.



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Fig. 1: Measuring Sun roof Height (Prelude)
Courtesy of American Honda Motor Co., Inc.

WIND DEFLECTOR

Open sun roof. Pry rail covers off both sides. Loosen mounting nuts. Adjust wind deflector forward or backward so deflector seal touches roof panel evenly across entire front edge. Measure wind

deflector height from top edge of deflector to roof panel at center of deflector. Deflector arm cannot be adjusted. If arm or deflector is damaged, replace wind deflector assembly.

MAINTENANCE

DRAIN TUBES

Periodically, pour a small amount of water into drain rails at edges of sun roof to ensure drain tubes remain clear. Water should drop from drain tubes at rear of right front and left rear wheel wells.

LUBRICATION

Periodic lubrication is not required. When components are removed for repair or replacement, apply multipurpose grease lightly to all moving parts, except cables. Use molybdenum grease on cable assemblies.

TROUBLE SHOOTING

CAUTION: Prelude is equipped with Supplemental Restraint System (SRS). SRS wiring harness is routed close to instrument cluster, steering wheel, and related components. All SRS wiring harnesses are covered by Yellow outer insulation. DO NOT use electrical test equipment on these circuits. Before working on steering column components, disable air bag system. See AIR BAG RESTRAINT SYSTEM article in ACCESSORIES & EQUIPMENT.

NOTE: Ensure all component terminals and ground connections are clean and tight. Check possible faults in order listed. Repair or replace components and circuits as necessary.

SUN ROOF DOES NOT MOVE, MOTOR RUNS

Clutch out of adjustment. Foreign matter jammed in guide. Outer cable not properly attached.

SUN ROOF DOES NOT MOVE, MOTOR DOES NOT RUN (ANY SWITCH)

Blown fuse No. 37 (40-amp) in underhood fuse/relay box. Blown fuse No. 7 (30-amp) or fuse No. 17 (30-amp) fuse in dash fuse box. Power window relay. Faulty sun roof motor. Open in White/Blue, Black/Yellow, Green/Yellow or Green/Red wire.

SUN ROOF DOES NOT MOVE, MOTOR DOES NOT RUN (OPEN SWITCH)

Faulty opening relay. Faulty closing relay. Faulty sun roof switch. Open in Green/Yellow or Green/Red wire.

SUN ROOF DOES NOT MOVE, MOTOR DOES NOT RUN (CLOSE SWITCH)

Faulty closing relay. Faulty opening relay. Faulty sun roof switch. Open in Green/Red or Green/Yellow wire.

TESTING

FUNCTION TEST

NOTE: Function test for Prelude is not available from manufacturer.

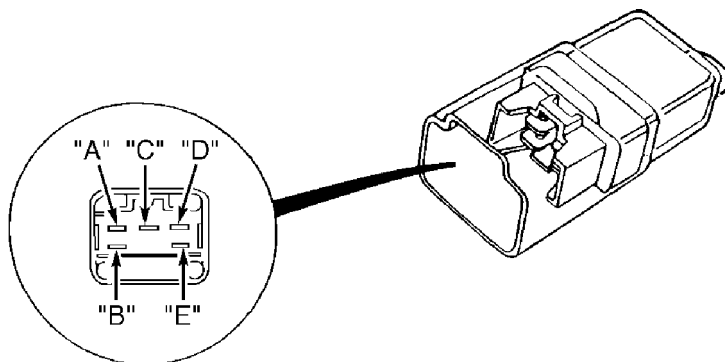
MOTOR TEST

Remove high mount brake light cover. Remove headliner. Unplug 2-pin connector from the motor. Using jumper wires, connect connector terminals to battery voltage and ground. Check for motor operation. Reverse jumper wires and retest. Replace motor if it does not operation in both directions.

RELAY TEST

NOTE: Sun roof system is equipped with separate relays for opening and closing functions.

Remove sun roof relay from dash fuse/relay box. Test continuity with an ohmmeter. Continuity should exist between terminals "B" and "C". See Fig. 2. Using jumper wires, connect terminals "D" and "E" to battery voltage and ground. If continuity does not exist between terminals "A" and "C", replace relay.

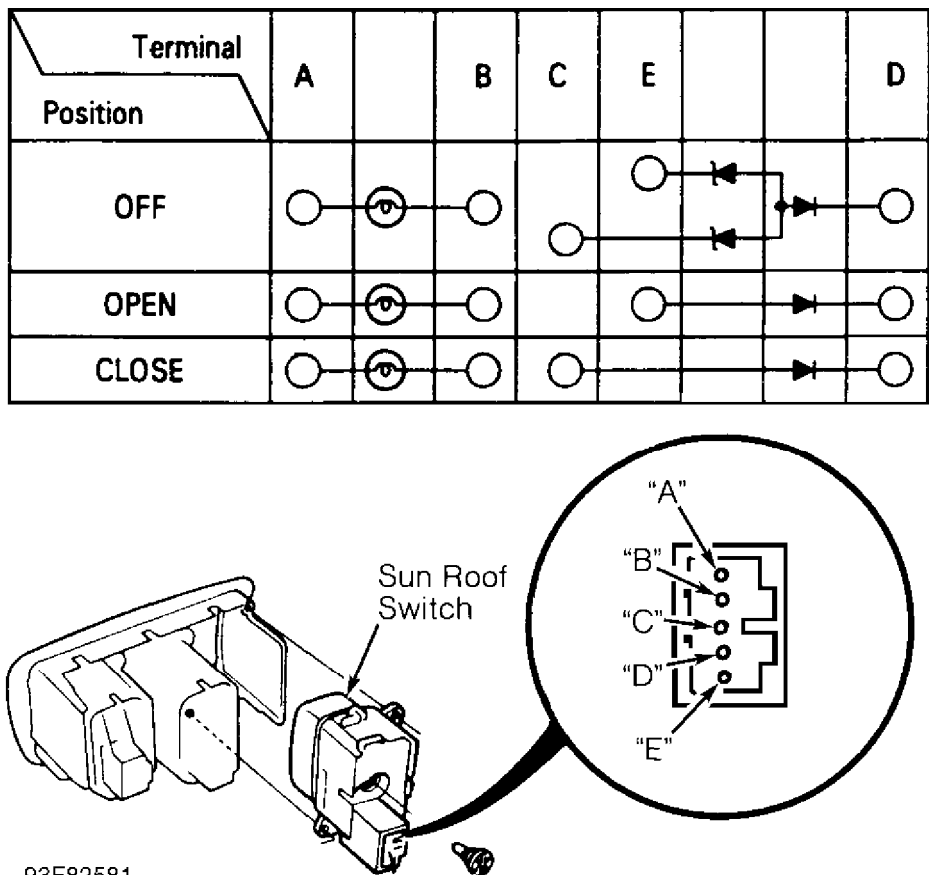


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Fig. 2: Identifying Power Sun Roof Relay Terminals
Courtesy of American Honda Motor Co., Inc.

SWITCH TEST

Carefully remove sun roof switch from instrument panel. See SWITCH under REMOVAL & INSTALLATION. Using an ohmmeter, check resistance of switch terminals with switch in indicated positions. If continuity is not as specified, replace switch. See Fig. 3.



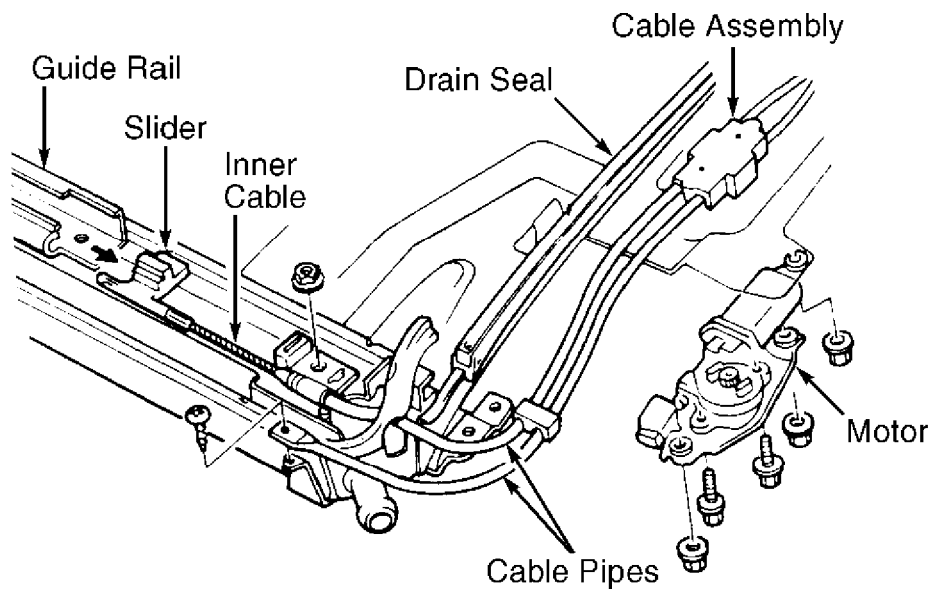
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Fig. 3: Testing Sun Roof Switch Continuity (Prelude)
Courtesy of American Honda Motor Co., Inc.

REMOVAL & INSTALLATION

DRIVE CABLES

Removal & Installation

Remove sun roof frame and sun roof. See SUN ROOF. Remove rear drain channel and rear rail holder. Remove motor. Remove guide rail mounting nuts. Lift off guide rails. Remove outer cable assembly. Slide cable stay to rear and remove from guide rails. Remove lifter from inner cable end. Separate panel stay, lifter, slide stopper link and guide. Remove inner cable assembly. See Fig. 4. To install, reverse removal procedure.



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Fig. 4: Removing Drive Cable & Motor Assemblies (Typical)
 Courtesy of American Honda Motor Co., Inc.

DRIVE MOTOR

Removal & Installation

Remove headliner. See HEADLINER. Unplug motor harness connector. Remove mounting bolts and nuts. Remove motor. To install, reverse removal procedure.

HEADLINER

NOTE: Headliner removal and installation is similar. It is not necessary to remove all listed components. Remove only components necessary to provide needed clearance.

Removal & Installation

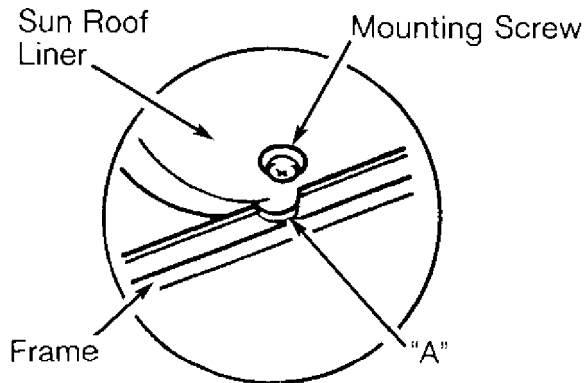
Remove sun visors, dome light, rear view mirror, pillar trim and grab handles. Remove rear seat and front passenger's seat. Recline driver's seat fully. Remove retaining clips. DO NOT bend headliner, remove headliner starting at right rear corner. To install, reverse removal procedure.

SUN ROOF

Removal & Installation

Remove front roof trim. Align position "A" of frame to mounting screw. See Fig. 5. Remove mounting screws and clips. Slide sun roof slightly forward. Taking care not scratch sun roof liner, slide from under sun roof and remove it. Remove mounting screws from

install, reverse removal procedure.



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Fig. 5: Removing Sun Roof (Prelude)
Courtesy of American Honda Motor Co., Inc.

SWITCH

Removal & Installation

Carefully pry switch panel from instrument panel. Unplug connectors from switches. Remove retaining screws (if equipped) and separate switch from panel. To install, reverse removal procedure.

WIND DEFLECTOR

Removal & Installation

Open sun roof fully. Pry up rail cover and rail holder cover. Remove sun shade rail stopper and link stopper. Remove wind deflector retaining nuts and remove wind deflector. To install, reverse removal procedure. Adjust wind deflector. See WIND DEFLECTOR under ADJUSTMENTS.

WIRING DIAGRAM

SUN ROOF -

