

WIPER/WASHER SYSTEM

Article Text

1993 Honda Prelude

For Cadi Centre Nsk CA 95051

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ARTICLE BEGINNING

1993 ACCESSORIES & EQUIPMENT

Honda Wiper/Washer Systems

Prelude

DESCRIPTION & OPERATION

A 2-speed wiper motor with intermittent feature is used on all models. Wiper switch is part of the combination switch on the steering column.

TROUBLE SHOOTING

Wipers Do Not Operate In Any Position

Blown fuse No. 17 (30-amp) in dash fuse block. Disconnected wiper linkage. Faulty wiper motor assembly. Faulty wiper switch. Poor ground. Inspect Green/Black wire for open circuit. Check for loose or disconnected terminals.

Wipers Do Not Operate In INT (Intermittent) Position

Faulty wiper switch. Faulty wiper motor assembly. Faulty intermittent wiper relay circuit. Inspect Green and Blue/White wires for open circuit. Check for loose or disconnected terminals.

Wipers Do Not Operate In LO Or HI Position

Faulty wiper switch. Faulty wiper motor assembly. Inspect Blue and Blue/Yellow wires for open circuit. Check for loose or disconnected terminals

Wipers Do Not Operate In MIST Position

Faulty mist switch.

Wipers Do Not Return To Park Position With Switch Turned Off

Faulty wiper motor assembly. Faulty wiper switch. Inspect Blue/White wire for open circuit. Check for loose or disconnected terminals.

Erratic Or No Intermittent Cycle

Faulty wiper switch. Faulty intermittent wiper relay circuit.

Little Or No Washer Fluid Is Pumped

Insufficient washer fluid in reservoir. Disconnected or blocked washer fluid hose. Clogged washer fluid nozzle. Faulty washer motor. Faulty washer switch. Poor ground. Inspect Black/Yellow wire for open circuit. Check for loose or disconnected terminals.

Wipers And Washer Do Not Work At Same Time

Faulty integrated control unit. Inspect Black/Yellow wire for open circuit. Check for loose or disconnected terminals.

TESTING

WIPER MOTOR TEST

1) Disconnect wiper motor 5-pin connector. Using jumper wires, connect positive battery terminal to Green/Black wire terminal and negative battery terminal to Blue wire terminal at wiper motor connector. Ensure wiper motor operates on low speed.

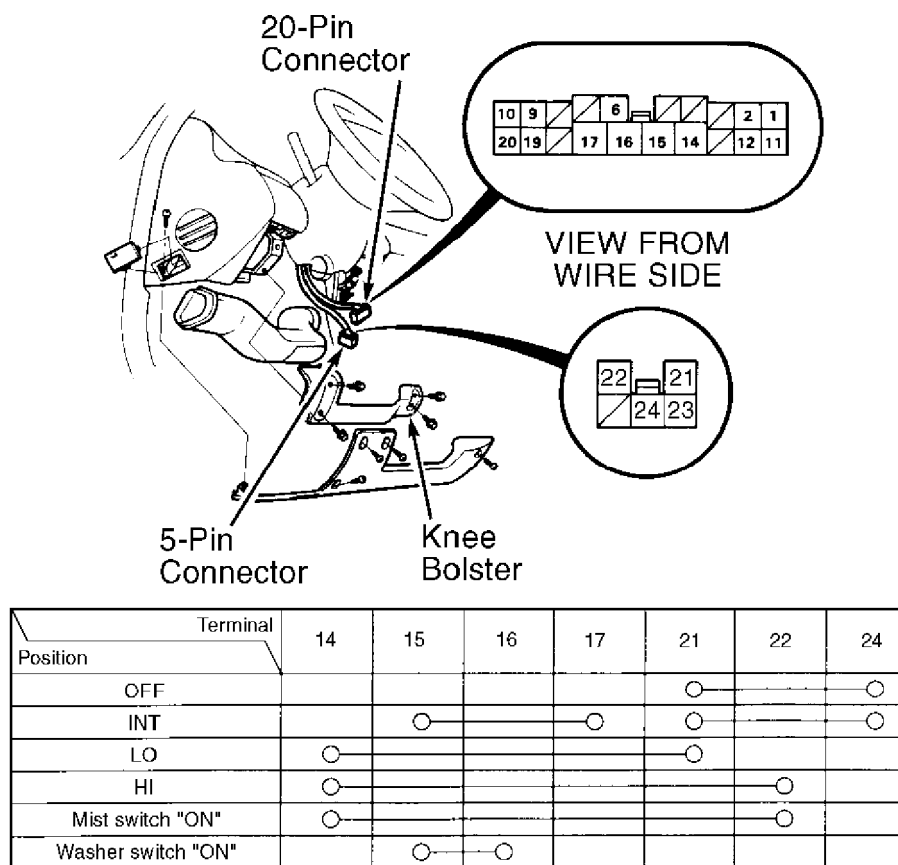
2) Using jumper wires, connect positive battery terminal to Green/Black wire terminal and negative battery terminal to Blue/Yellow wire terminal at wiper motor connector. Wiper motor should operate on high speed. Replace wiper motor if it fails to operate.

WASHER MOTOR TEST

Remove front bumper. Disconnect washer motor 2-pin connector. Connect battery voltage across washer motor terminals. Washer motor should operate smoothly. If motor runs smoothly but little or no washer fluid is pumped, check for disconnected or blocked washer fluid hose or a clogged pump outlet in motor.

WIPER/WASHER SWITCH TEST

Remove instrument cluster lower trim panel. Disconnect steering column 10-pin connector. Check continuity between specified switch connector terminals with wiper/washer switch in indicated positions. See Fig. 1. If continuity is not as specified, replace wiper/washer switch.



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Fig. 1: Testing Wiper/Washer Switch
 Courtesy of American Honda Motor Co., Inc.

INTERMITTENT WIPER RELAY TEST

Remove intermittent wiper relay. Relay is located on right rear corner of engine compartment, next to fuse/relay block. With battery voltage applied across terminals "D" and "E", continuity **WIPER/WASHER SYSTEM Article Text (p. 3)** and terminals "B" and "C". If continuity does not exist as indicated, replace relay.

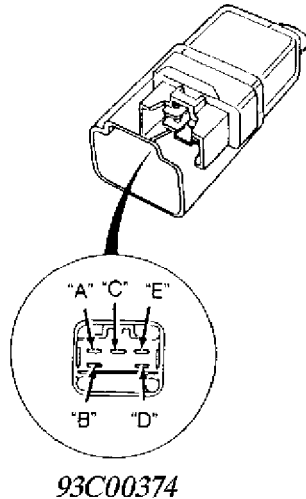


Fig. 2: Intermittent Wiper Relay Terminal ID
Courtesy of American Honda Motor Co., Inc.

REMOVAL & INSTALLATION

WIPER MOTOR

Removal & Installation

1) Open hood. Remove cap nuts from wiper arms. Carefully remove wiper arms. Remove hood seal and air scoop by prying off trim clips and removing screws.

2) Disconnect wiper motor 5-pin connector. Remove 3 bolts, nut and wiper linkage assembly. Remove wiper motor assembly. To install, reverse removal procedure.

WIPER/WASHER SWITCH

CAUTION: Air bag system MUST be disabled BEFORE removing any steering column component. See **DISABLING & ACTIVATING AIR BAG SYSTEM** in **AIR BAG RESTRAINT SYSTEM** article in the **ACCESSORIES/SAFETY EQUIPMENT** section.

Removal & Installation

Disable air bag system. Disconnect negative battery cable. Remove dash lower trim cover and knee bolster. Remove steering column covers. Disconnect wiper/washer switch 8-pin connector. Remove 2 screws and wiper/washer switch. To install, reverse removal procedure.

WASHER FLUID RESERVOIR & NOZZLE

Removal & Installation

Remove reservoir filler neck and inner fender. Remove 3 bolts and washer fluid reservoir. Disconnect hose and 2-pin connector from washer motor. Remove deflector, washer nozzles and washer fluid hoses as necessary. To install, reverse removal procedure.

WIRING DIAGRAMS

NOTE: For circuit information, see appropriate wiring diagram in the WIRING DIAGRAMS section.

END OF ARTICLE