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(2) - See Fig. 1.

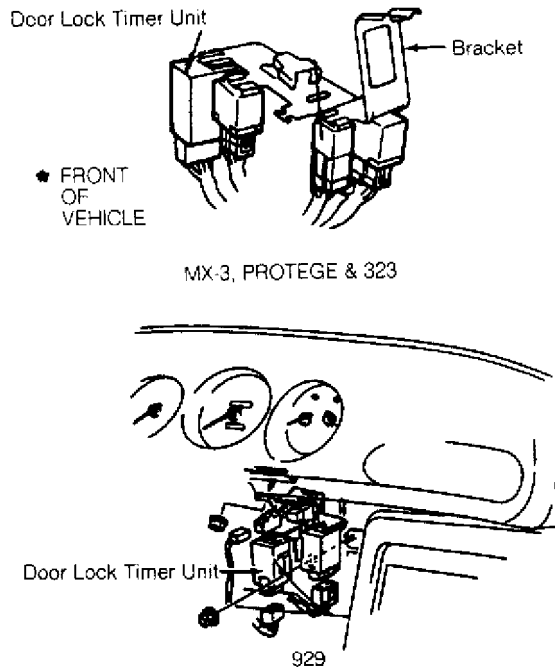
DOOR LOCKS - POWER

Article Text (p. 2)

1993 Mazda 929

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93G83705

Fig. 1: Door Lock Timer Unit Location
Courtesy of Mazda Motors Corp.

TROUBLE SHOOTING

Check fuse or circuit breaker. If fuse and circuit breaker are okay, check individual components. See TESTING. If components are okay, repair wiring.

TESTING

DOOR JAMB SWITCH

Remove door switch. Check continuity between switch connector terminal and switch body. With door switch button pressed (door closed), there should be no continuity. With door switch button released (door open), there should be continuity. If continuity is not as specified, replace switch.

DOOR KEY CYLINDER SWITCH

Driver Door

Remove door trim panel. Disconnect door key cylinder switch connector. Check continuity between switch connector terminals. With door key cylinder held in unlocked position, there should be continuity. With door key cylinder held in locked position, there should be no continuity. If continuity is not as specified, replace

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door key cylinder.

Passenger Door

1) Remove door trim panel. Disconnect door key cylinder switch connector. With door key cylinder held in unlocked position, check continuity between switch connector terminals. If there is no continuity, replace door key cylinder switch.

2) If there is continuity, hold door key cylinder in locked position and measure resistance between switch connector terminals. If resistance is 950-1050 ohms, switch is okay. If resistance is not 950-1050 ohms, replace door key cylinder.

DOOR LOCK CONTROL SWITCH

Remove door trim panel. Measure resistance between door lock control switch connector terminals. With door lock control switch in locked position, resistance should be 950-1050 ohms. With door lock control switch in unlocked position, resistance should be zero ohms (continuity). Replace door lock control switch if resistance is not as specified.

DOOR LOCK LINK SWITCH

1) Remove door trim panel. At door lock actuator connector, check continuity between Black wire terminal and:

- * Light Green wire terminal (driver door)
- * Green/Orange wire terminal (passenger door)
- * Green/Black wire terminal (rear doors).

2) With door unlocked, there should be continuity. With door locked, there should be no continuity. Replace door lock actuator if continuity is not as specified.

DOOR LOCK ACTUATOR

2-Pin Connector

Remove door trim panel. Disconnect door lock actuator connector. Apply battery voltage and ground across terminals of door lock actuator connector. Reverse polarity across terminals to move door lock actuator in opposite direction. Replace door lock actuator if it does not operate.

4-Pin Connector

Remove door trim panel. Disconnect door lock actuator connector. Apply battery voltage across the following terminals of door lock actuator connector. Reverse polarity across terminals to move door lock actuator in opposite direction. Replace door lock actuator if it does not operate.

- * Green and Blue wire terminals.

DOOR LOCKS - POWER

Article Text (p. 4)

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DOOR LOCK TIMER UNIT

Leave door lock timer unit connector attached. Check voltage at the following terminals of door lock timer unit connector (backprobe connector). If voltages are not as specified, check circuit (including component, if applicable). If circuit is okay, replace door lock timer unit.

Blue Wire (To Door Lock Actuator)

With door unlocked, battery voltage should be present. Under all other conditions, no voltage should be present.

Green Wire (To Door Lock Actuator)

With door unlocked, battery voltage should be present. Under all other conditions, no voltage should be present.

Blue/White Wire (To CPU)

Battery voltage should be present under all conditions.

Gray/Black Wire (To CPU)

Battery voltage should be present under all conditions.

Black/White Wire (To DOOR LOCK Fuse)

Battery voltage should be present under all conditions.

Black/Yellow Wire (To Ground)

No voltage should be present under all conditions.

KEY REMINDER SWITCH

Remove steering column covers. Disconnect key reminder switch 4-pin connector. Check continuity between Blue/Red and Pink/Black wire terminals of 4-pin connector. There should be continuity with ignition key inserted. There should be no continuity with ignition key removed. Replace key reminder switch if continuity is not as specified.

WIRING DIAGRAMS

Proceed to chassis WIRING DIAGRAMS article in WIRING DIAGRAMS section.

END OF ARTICLE