

# MIRRORS - POWER

## 1993 Toyota Celica

1993 ACCESSORIES/SAFETY EQUIPMENT  
Toyota Power Mirrors

Camry, Celica, Corolla, Land Cruiser, MR2, Pickup,  
Previa, Supra, T100, 4Runner

### DESCRIPTION & OPERATION

Power mirrors are controlled by a dual control switch assembly, located on center console or instrument panel. Left/right control switch directs current to desired mirror. Horizontal/vertical control switch directs current to one of 2 motors located in mirror/motor assembly. Mirror and motors must be removed and serviced as an assembly.

### TROUBLE SHOOTING

#### POWER MIRROR

Both Power Mirrors Inoperative

Check RADIO fuse, power mirror switch, power mirror motor(s), wiring and ground. See TESTING.

Left Or Right Power Mirror Inoperative

Check power mirror switch, power mirror motor(s), wiring and ground. See TESTING.

Up/Down Or Left/Right Function Inoperative

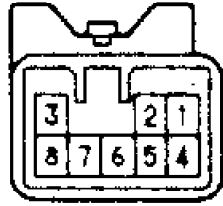
Check power mirror motor(s), wiring and ground. See POWER MIRROR MOTOR TEST under TESTING.

### TESTING

#### POWER MIRROR SWITCH TEST

NOTE: Mirror motor connectors may vary in configuration from vehicle to vehicle of the same model.

Remove power mirror switch. See POWER MIRROR SWITCH under REMOVAL & INSTALLATION. Using ohmmeter, check continuity between appropriate mirror switch terminals. See Figs. 1-6. See appropriate POWER MIRROR SWITCH CONTINUITY TEST table. If switch fails any test, replace switch.



MIRROR CONTROL SWITCH

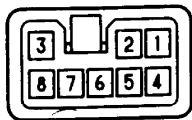


MIRROR MOTOR

Fig. 1: Power Mirror Switch & Motor Connector Terminal ID (Camry)  
 Courtesy of Toyota Motor Sales, U.S.A., Inc.

POWER MIRROR SWITCH CONTINUITY TEST (CAMRY)

| Application              | Terminals    |
|--------------------------|--------------|
| Switch In Left Position  |              |
| Up .....                 | 2 & 8; 3 & 5 |
| Down .....               | 2 & 5; 3 & 8 |
| Left .....               | 2 & 8; 5 & 6 |
| Right .....              | 2 & 5; 6 & 8 |
| Switch In Right Position |              |
| Up .....                 | 2 & 8; 5 & 7 |
| Down .....               | 2 & 5; 7 & 8 |
| Left .....               | 1 & 5; 2 & 8 |
| Right .....              | 1 & 8; 2 & 5 |



MIRROR CONTROL SWITCH



MIRROR MOTOR



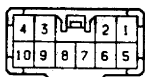
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 Fig. 2: Pwr. Mir. Sw. & Motor Conn. Term. ID (Celica, Corolla, Previa)  
 Courtesy of Toyota Motor Sales, U.S.A., Inc.

POWER MIRROR SWITCH CONTINUITY TEST TABLE (CELICA & PREVIA)

| Application              | Terminals    |
|--------------------------|--------------|
| Switch In Off Position   |              |
| Up .....                 | 2 & 3        |
| Down .....               | 1 & 2        |
| Left .....               | 2 & 3        |
| Right .....              | 1 & 2        |
| Switch In Left Position  |              |
| Up .....                 | 1 & 7; 2 & 3 |
| Down .....               | 1 & 2; 3 & 7 |
| Left .....               | 1 & 8; 2 & 3 |
| Right .....              | 1 & 2; 3 & 8 |
| Switch In Right Position |              |
| Up .....                 | 1 & 5; 2 & 3 |
| Down .....               | 1 & 2; 3 & 5 |
| Left .....               | 1 & 6; 2 & 3 |
| Right .....              | 1 & 2; 3 & 6 |

POWER MIRROR SWITCH CONTINUITY TEST TABLE (COROLLA)

| Application              | Terminals    |
|--------------------------|--------------|
| Switch In Left Position  |              |
| Up .....                 | 3 & 7; 4 & 8 |
| Down .....               | 3 & 4; 7 & 8 |
| Left .....               | 1 & 8; 3 & 7 |
| Right .....              | 1 & 3; 7 & 8 |
| Switch In Right Position |              |
| Up .....                 | 3 & 7; 6 & 8 |
| Down .....               | 3 & 6; 7 & 8 |
| Left .....               | 3 & 7; 5 & 8 |
| Right .....              | 3 & 5; 7 & 8 |



MIRROR CONTROL SWITCH



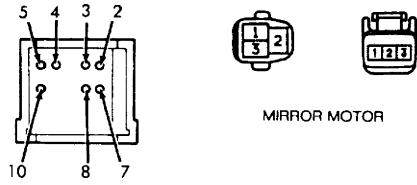
MIRROR MOTOR

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Fig. 3: Pwr. Mirror Sw. & Motor Connector Terminal ID (Land Cruiser)  
 Courtesy of Toyota Motor Sales, U.S.A., Inc.

POWER MIRROR SWITCH CONTINUITY TEST TABLE (LAND CRUISER)

| Application              | Terminals     |
|--------------------------|---------------|
| Switch In Off Position   |               |
| Up .....                 | 3 & 4         |
| Down .....               | 1 & 3         |
| Left .....               | 3 & 4         |
| Right .....              | 1 & 3         |
| Switch In Left Position  |               |
| Up .....                 | 1 & 10; 3 & 4 |
| Down .....               | 1 & 3; 4 & 10 |
| Left .....               | 1 & 9; 3 & 4  |
| Right .....              | 1 & 3; 4 & 9  |
| Switch In Right Position |               |
| Up .....                 | 1 & 6; 3 & 4  |
| Down .....               | 1 & 3; 4 & 6  |
| Left .....               | 1 & 2; 3 & 4  |
| Right .....              | 1 & 3; 2 & 4  |

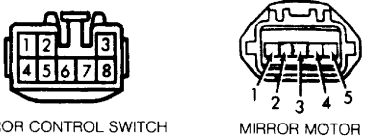


MIRROR CONTROL SWITCH  
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Fig. 4: Pwr. Mirror Sw. & Mtr. Conn. Term. ID (MR2, Pickup & 4Runner)  
Courtesy of Toyota Motor Sales, U.S.A., Inc.

POWER MIRROR SWITCH CONTINUITY TEST TABLE (MR2, PICKUP & 4RUNNER)

| Application              | Terminals     |
|--------------------------|---------------|
| Switch In Off Position   |               |
| Up                       | 7 & 8         |
| Down                     | 8 & 10        |
| Left                     | 7 & 8         |
| Right                    | 8 & 10        |
| Switch In Left Position  |               |
| Up                       | 2 & 10; 7 & 8 |
| Down                     | 2 & 7; 8 & 10 |
| Left                     | 3 & 10; 7 & 8 |
| Right                    | 3 & 7; 8 & 10 |
| Switch In Right Position |               |
| Up                       | 5 & 10; 7 & 8 |
| Down                     | 5 & 7; 8 & 10 |
| Left                     | 4 & 10; 7 & 8 |
| Right                    | 4 & 7; 8 & 10 |



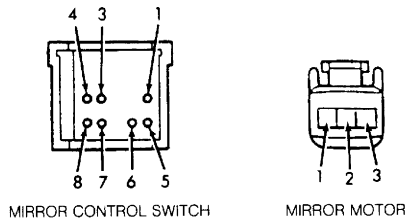
MIRROR CONTROL SWITCH MIRROR MOTOR

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Fig. 5: Power Mirror Switch & Motor Connector Terminal ID (Supra)  
Courtesy of Toyota Motor Sales, U.S.A., Inc.

POWER MIRROR SWITCH CONTINUITY TEST TABLE (SUPRA)

| Application              | Terminals    |
|--------------------------|--------------|
| Switch In Left Position  |              |
| Up                       | 2 & 5; 6 & 8 |
| Down                     | 2 & 6; 5 & 8 |
| Left                     | 1 & 8; 2 & 5 |
| Right                    | 1 & 2; 5 & 8 |
| Switch In Right Position |              |
| Up                       | 2 & 5; 3 & 8 |
| Down                     | 2 & 3; 5 & 8 |
| Left                     | 2 & 5; 7 & 8 |
| Right                    | 2 & 7; 5 & 8 |



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Fig. 6: Power Mirror Switch & Motor Connector Terminal ID (T100)  
 Courtesy of Toyota Motor Sales, U.S.A., Inc.

POWER MIRROR SWITCH CONTINUITY TEST TABLE (T100)

| Application              | Terminals    |
|--------------------------|--------------|
| Switch In Left Position  |              |
| Up .....                 | 1 & 8; 3 & 4 |
| Down .....               | 1 & 3; 4 & 8 |
| Left .....               | 1 & 7; 3 & 4 |
| Right .....              | 1 & 3; 4 & 7 |
| Switch In Right Position |              |
| Up .....                 | 1 & 5; 3 & 4 |
| Down .....               | 1 & 3; 4 & 5 |
| Left .....               | 1 & 6; 3 & 4 |
| Right .....              | 1 & 3; 4 & 6 |

POWER MIRROR MOTOR TEST

NOTE: Mirror motor connectors may vary in configuration from vehicle to vehicle of the same model.

Disconnect power mirror motor harness connector. Using 12-volt power source, connect positive and negative leads to specified pins or terminals. See appropriate POWER MIRROR MOTOR TEST table. See Figs. 1-6. If power mirror motor fails any test, replace power mirror assembly.

POWER MIRROR MOTOR TEST TABLE (CAMRY, CELICA & MR2)

| Apply 12 Volts To Pin No. | Ground Pin No. | Mirror Operation |
|---------------------------|----------------|------------------|
| 3 .....                   | 2 .....        | Up               |
| 2 .....                   | 3 .....        | Down             |
| 1 .....                   | 2 .....        | Left             |
| 2 .....                   | 1 .....        | Right            |

POWER MIRROR MOTOR TEST TABLE (COROLLA)

| Apply 12 Volts To Pin No. | Ground Pin No. | Mirror Operation |
|---------------------------|----------------|------------------|
| 1 .....                   | 2 .....        | Up               |
| 2 .....                   | 1 .....        | Down             |
| 3 .....                   | 2 .....        | Left             |
| 2 .....                   | 3 .....        | Right            |

POWER MIRROR MOTOR TEST TABLE (LAND CRUISER)

| Apply 12 Volts<br>To Pin No. | Ground<br>Pin No. | Mirror<br>Operation |
|------------------------------|-------------------|---------------------|
| 2 .....                      | 3 .....           | Up                  |
| 3 .....                      | 2 .....           | Down                |
| 1 .....                      | 3 .....           | Left                |
| 3 .....                      | 1 .....           | Right               |

POWER MIRROR MOTOR TEST TABLE (PICKUP, PREVIA & 4RUNNER)

| Apply 12 Volts<br>To Pin No. | Ground<br>Pin No. | Mirror<br>Operation |
|------------------------------|-------------------|---------------------|
| 2 .....                      | 1 .....           | Up                  |
| 1 .....                      | 2 .....           | Down                |
| 3 .....                      | 1 .....           | Left                |
| 1 .....                      | 3 .....           | Right               |

POWER MIRROR MOTOR TEST TABLE (SUPRA)

| Apply 12 Volts<br>To Pin No. | Ground<br>Pin No. | Mirror<br>Operation |
|------------------------------|-------------------|---------------------|
| 3 .....                      | 4 .....           | Up                  |
| 4 .....                      | 3 .....           | Down                |
| 5 .....                      | 4 .....           | Left                |
| 4 .....                      | 5 .....           | Right               |

POWER MIRROR MOTOR TEST TABLE (T100)

| Apply 12 Volts<br>To Pin No. | Ground<br>Pin No. | Mirror<br>Operation |
|------------------------------|-------------------|---------------------|
| 3 .....                      | 1 .....           | Up                  |
| 1 .....                      | 3 .....           | Down                |
| 2 .....                      | 1 .....           | Left                |
| 1 .....                      | 2 .....           | Right               |

## REMOVAL & INSTALLATION

### POWER MIRROR SWITCH

Removal & Installation (Celica & Supra)

Remove console box retaining screws and raise console box enough to disconnect mirror switch harness connector. Push on switch's connector end to remove switch from console box. To install, reverse removal procedure.

Removal & Installation (Camry, Corolla, Cressida & Land Cruiser)

Remove instrument panel lower trim cover and inner knee pad (if equipped). Remove retaining screws from bottom of power mirror switch. Using flat-blade screwdriver, carefully pry switch out of instrument panel. Disconnect harness connector. To install, reverse removal procedure.

Removal & Installation (Pickup, Previa, T100 & 4Runner)

Remove arm rest retaining screw caps, retaining screws and arm rest. Disconnect all electrical connectors. Remove power window master switch retaining screws. Remove power window master switch from arm rest. Push on power mirror switch connector end to remove switch from power window master switch. To install, reverse removal procedure.

## **POWER MIRROR ASSEMBLY**

Removal & Installation

Remove mirror inner trim panel on inside of the door. Disconnect power mirror motor harness connector. Support outside mirror assembly while removing 3 mirror retaining screws/bolts on inside of the door. To install, reverse removal procedure.

## **WIRING DIAGRAMS**

See appropriate chassis wiring diagram in WIRING DIAGRAMS section.