

COLLISION REPAIR INFORMATION

FOR THE TOYOTA DEALER

TITLE: SRS AIRBAG COMPONENT REPLACEMENT

SECTION: ELECTRICAL BULLETIN # 123 PAGE 1 of 4

MODELS: TOYOTA

DATE: MAY 2002



The SRS Airbag system is an important safety feature of Toyota vehicles. It supplements the vehicle's seat belt system by providing additional protection to vehicle occupants in the event of a severe frontal or side collision (if equipped with side airbags).

In order to assure correct system operation, it is necessary to replace certain components of the airbag system following a collision. In order to assist technicians in determining which components should be inspected, tested, or replaced, the repair manual information has been organized in the attached matrix and replacement notes.

Even in cases of a minor collision where the SRS does not deploy, the steering wheel pad, front passenger airbag assembly, side airbag assembly, airbag sensor assembly, and side airbag sensor assembly should be inspected and diagnostic tests should be performed. Always refer to the Toyota service repair manual for the correct diagnostic and repair procedures.

The attached SRS airbag component replacement information includes:

- A matrix indicating components requiring replacement, inspection, or testing after the deployment of the driver and/or passenger SRS airbag (page 2).
- Component replacement notes (page 3-4).

CAUTION: SRS Airbag service work can only be performed AFTER 90 seconds from the time the ignition switch is turned to the "lock" position and the negative (-) terminal cable is disconnected from the battery.

PLEASE ROUTE THIS BULLETIN TO YOUR COLLISION REPAIR CENTER MANAGER AND COLLISION REPAIR TECHNICIANS



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2002 Toyota SRS Parts Replacement Requirements* Collision Repair Chart

Model	Avalon	Camry	Celica	Corolla	Matrix	Echo	Prius	Sienna	Solara	Solara Conv.	Land Cruiser	RAV4	RAV4 EV	Highlander	Sequoia	Tacoma*	4Runner	Tundra	MR2 Spyder	
STEERING WHEEL PAD	R ¹	R ¹	R ¹	R ¹	R ¹	R ¹	R ¹	R ¹	R ¹	R ¹	R ¹	R ¹	R ¹	R ¹	R ¹	R ¹	R ¹	R ¹	R ¹	R ¹
SPIRAL CABLE	I ²	I ²	I ²	I ²	I ²	I ²	I ²	I ²	I ²	I ²	I ²	I ²	I ²	I ²	I ²	I ²	I ²	I ²	I ²	I ²
STEERING WHEEL	I ³	I ³	I ³	I ³	I ³	I ³	I ³	I ³	I ³	I ³	I ³	I ³	I ³	I ³	I ³	I ³	I ³	I ³	I ³	I ³
PASSENGER AIRBAG	R ⁴	R ⁴	R ⁴	R ⁴	R ⁴	R ⁴	R ⁴	R ⁴	R ⁴	R ⁴	R ⁴	R ⁴	R ⁴	R ⁴	R ⁴	R ⁴	R ⁴	R ⁴	R ⁴	R ⁴
INSTRUMENT PANEL	I ⁵	I ⁵	I ⁵	I ⁵	I ⁵	I ⁵	I ⁵	I ⁵	I ⁵	I ⁵	I ⁵	I ⁵	I ⁵	I ⁵	I ⁵	I ⁵	I ⁵	I ⁵	I ⁵	I ⁵
FR. IMPACT SENSORS (BOTH)	R ⁶	I ^{6a}	R ⁶	I ^{6a}	I ^{6a}	I ⁶	R ⁶	R ⁶	R ⁶	R ⁶	R ⁶	R ⁶	R ⁶	I ^{6a}	R ⁶	R ⁶	R ⁶	R ⁶	R ⁶	R ⁶
CENTER AIRBAG SENSOR	R ⁷	R ⁷	R ⁷	R ⁷	R ⁷	R ⁷	R ⁷	R ⁷	R ⁷	R ⁷	R ⁷	R ⁷	R ⁷	R ⁷	R ⁷	R ⁷	R ⁷	R ⁷	R ⁷	R ⁷
WIRE HARNESS	I ⁸	I ⁸	I ⁸	I ⁸	I ⁸	I ⁸	I ⁸	I ⁸	I ⁸	I ⁸	I ⁸	I ⁸	I ⁸	I ⁸	I ⁸	I ⁸	I ⁸	I ⁸	I ⁸	I ⁸
SIDE IMPACT AIRBAGS	N ⁹	N ⁹	N ⁹	N ⁹	N ⁹	N ⁹	N ⁹	N ⁹	N ⁹	N ⁹	N/A	N/A	N/A	N ⁹	N ⁹	N/A	N/A	N/A	N/A	N/A
SIDE AND CURTAIN IMPACT SENSORS	N ¹⁰	N ^{10a}	N ¹⁰	N ¹⁰	N ¹⁰	N ¹⁰	N ¹⁰	N ¹⁰	N ¹⁰	N ¹⁰	N/A	N/A	N/A	N ¹⁰	N ^{10a}	N/A	N/A	N/A	N/A	N/A
SEATBELT PRE-TENSIONER	R ¹¹	R ¹¹	R ¹¹	R ¹¹	R ¹¹	R ¹¹	R ¹¹	R ¹¹	R ¹¹	R ¹¹	R ¹¹	R ¹¹	R ¹¹	R ¹¹	R ¹¹	R ¹¹	R ¹¹	R ¹¹	R ¹¹	R ¹¹
CURTAIN SHIELD AIRBAG	N/A	R ¹²	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	R ¹²	N/A	N/A	N/A	N/A	N/A
SEAT POSITION SENSOR	N/A	I ¹³	N/A	I ¹³	I ¹³	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
REAR AIRBAG SENSOR	N/A	I ¹⁴	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Replace = R, Inspect = I, Note = N

The notes above refer to the Component Replacement Notes on page 3.

*Some Toyota vehicles are equipped with a **Passenger Airbag Manual On-Off Switch**, and other Toyota models may have a retrofit passenger airbag switch installed at the dealership. To analyze the condition of the manual on-off switch, technicians must follow specific inspection procedures which are outlined on page 7 of this bulletin. However, complete airbag manual on-off switch inspection and repair procedures can be found in vehicle-specific Toyota Repair Manuals.

Note - for all Toyota vehicles

Following all collisions when the SRS does NOT deploy inspect:

- Steering wheel pad
- Front passenger airbag assembly
- Seatbelt pretensioners
- Side airbags and seat frames
- Wiring harness and connectors
- Front & side airbag sensors
- Malfunction indicator lamp for correct operation

Component Replacement Notes

Note 1 – Replace the Steering Wheel Pad:

- If the airbag has been deployed or dropped
- If the steering wheel pad is diagnosed as needing replacement when troubleshooting or during inspection

Note 2 – Inspect and if necessary replace the Spiral Cable:

- If the spiral cable is diagnosed as needing replacement when troubleshooting or during inspection

Note 3 – Inspect and if necessary replace the Steering Wheel:

- If the steering wheel is diagnosed as needing replacement during inspection

Note 4 – Replace the Passenger Airbag assembly:

- If the passenger airbag has been deployed or dropped
- If the airbag is diagnosed as needing replacement when troubleshooting or during inspection

Note 5 – Visually inspect and if necessary replace the following items if deformed:

- Instrument panel and instrument panel reinforcement
- Glove compartment or glove compartment door

Note 6 – Replace the Front Impact Sensors:

- If either the driver or passenger airbag has deployed (**replace both front impact sensors**)
- If a front airbag sensor is diagnosed as needing replacement when troubleshooting or during inspection

Note 6* – Replace the Front Impact Sensors:

- If a front airbag sensor is diagnosed as needing replacement when troubleshooting or during inspection

Note 7 – Replace the Airbag Sensor Assembly:

- If any airbag has been deployed in a collision, or the airbag sensor assembly has been dropped, or is diagnosed as needing replacement when troubleshooting

Note 8 – Inspect and if necessary replace the Wire Harness assembly:

- If any part of the SRS wire harness or any connector is diagnosed as needing replacement when troubleshooting or during inspection

Note 9 – Replace the:

- **Side Impact Airbag** if it has been deployed, dropped, or is diagnosed as needing replacement when troubleshooting or during inspection
- **Seat cover** if it has cuts and/or frayed seams, or is diagnosed as needing replacement during inspection
- **Seat frame** if it is bent or has become damaged

Note 10 – Replace the Side Impact Sensors:

- If the side airbag assembly has been deployed or the side airbag sensors are diagnosed as needing replacement when troubleshooting or during inspection

Note 10* – Replace the Side and Curtain Shield Impact Sensors:

- If either the side or curtain shield airbag assembly have been deployed, dropped, or are diagnosed as needing replacement when troubleshooting or during inspection

Note 11 – In the event of driver or passenger airbag deployment, replace all seatbelt Pretensioners.

Note 12 – Replace the:

- **Curtain Shield Airbag** if it has been deployed, dropped, or is diagnosed as needing replacement when troubleshooting or during inspection
- Visually inspect and if necessary replace the following items if deformed or cracked:
 - Headliner and/or interior trim panels
 - Body components where the Curtain Shield Airbag is mounted

Note 13 – Replace the Airbag Seat Position Sensor:

- If the airbag seat position sensor is diagnosed as needing replacement when troubleshooting or during inspection

Note 14 – Replace the Rear Airbag Sensor Assembly:

- If the rear airbag sensor assembly is diagnosed as needing replacement when troubleshooting or during inspection.