



Technical Service BULLETIN

February 2, 2001

Title:

SPEED SENSOR REPLACEMENT CHANGES

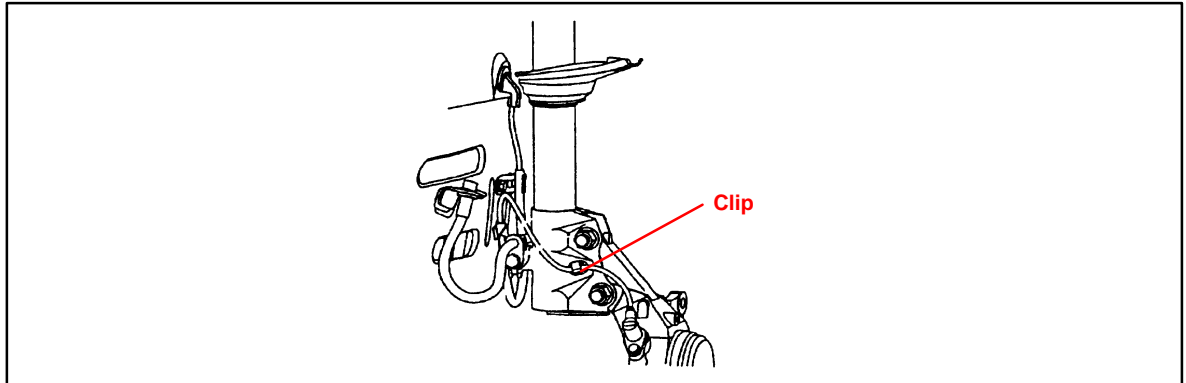
Models:

'00 ECHO

T S B

BRAKES
BR004-01

Introduction To improve assembly productivity a clip has been added to the speed sensor wire harness. Due to the addition of this clip there has been a part number change, and the service procedure has been modified.



Applicable Vehicles

- **2000** model year **ECHO** vehicles built before the VIN listed below **do not** have the updated parts installed at the plant.

Production Change Information

| MODEL | STARTING VIN |
|-------|-------------------|
| ECHO | JTD#T1###Y0096269 |

Parts Information

Vehicles produced before production change:

| PREVIOUS PART NUMBER | CURRENT PART NUMBER | PART NAME |
|----------------------|---------------------|--|
| 89542-52010* | 04895-52010 | Front Speed Sensor Kit (RH) (with bracket) |
| 89543-52010* | 04895-52020 | Front Speed Sensor Kit (LH) (with bracket) |

* Previous part included sensor with harness only.

Vehicles produced after production change:

| PREVIOUS PART NUMBER | CURRENT PART NUMBER | PART NAME |
|----------------------|---------------------|-----------------------------|
| – | 89542-52010 | Front Speed Sensor Kit (RH) |
| – | 89543-52010 | Front Speed Sensor Kit (LH) |

Warranty Information

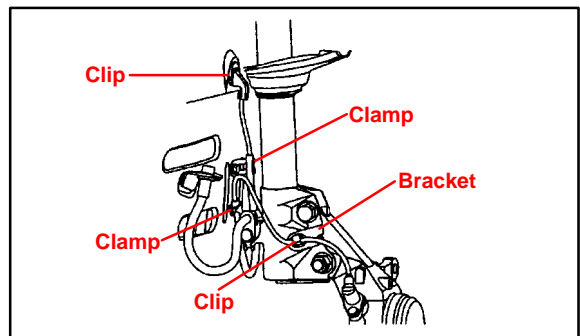
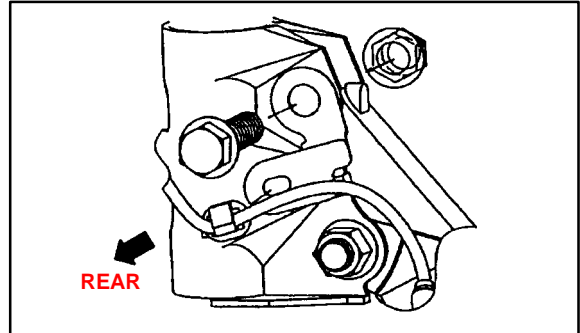
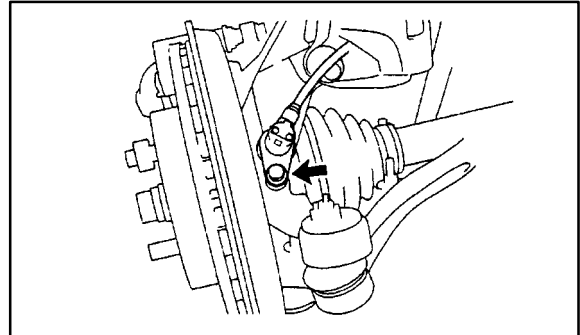
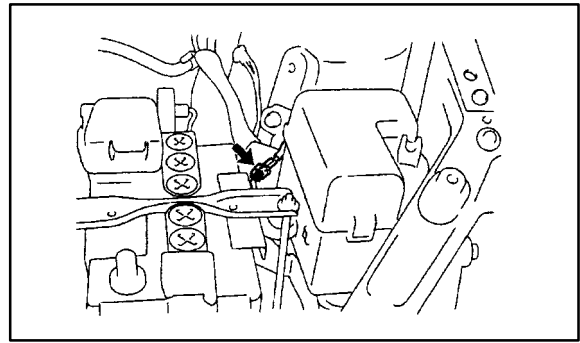
| OP CODE | DESCRIPTION | TIME | OPN | T1 | T2 |
|---------|----------------------------|------|-----|----|----|
| N/A | Not Applicable to Warranty | – | – | – | – |



Toyota Supports ASE Certification

Installation Procedure

1. Disconnect the speed sensor connector.
2. Remove the front wheel.
3. Remove the speed sensor.
 - A. Vehicles before production change: Remove the 2 clamp bolts and the clip holding the sensor harness to the body and shock absorber.
 - B. Vehicles after production change: Remove the 2 clamp bolts and the 2 clips holding the sensor harness to the body, shock absorber and steering knuckle.
 - C. Remove the bolt and speed sensor from the steering knuckle.
4. Vehicles before production change: Install the speed sensor.
 - A. Install the speed sensor to the steering knuckle with the bolt.
Torque: 8.0 N•m (82 kgf•cm, 71 in•lbf)
 - B. Remove the upper side nut and bolt fixed to the shock absorber and the steering knuckle.
 - C. Install the bracket in the kit of the supply parts to the bolt.
 - D. Insert the bolt from the back side of the vehicle to the hole of the shock absorber and steering knuckle, and then tighten the nut.
Torque: 132 N•m (1,350 kgf•cm, 97 ft•lbf)
 - E. Insert the clip of the speed sensor wire harness to the hole in the bracket.
 - F. Install the 2 clamps to the body and shock absorber with the 2 bolts.
Torque:
Wire harness clamp x Body: 8.0 N•m (82 kgf•cm, 71 in•lbf)
Wire harness clamp x Shock absorber: 29 N•m (300 kgf•cm, 22 ft•lbf)
 - G. Insert the clip to the body.



**Installation
Procedure**
(Continued)

5. Vehicles after production change:
Install the speed sensor.
 - A. Install the speed sensor to the steering knuckle with the bolt.
Torque: 8.0 N•m (82 kgf•cm, 71 in•lbf)
 - B. Install the 2 clamps to the body and shock absorber with the 2 bolts.
Torque:
Wire harness clamp x Body:
8.0 N•m (82 kgf•cm, 71 in•lbf)
Wire harness clamp x Shock absorber:
29 N•m (300 kgf•cm, 22 ft•lbf)
 - C. Insert the 2 clips to the body and steering knuckle.
6. Install the front wheel.
Torque: 103 N•m (1,050 kgf•cm, 76 ft•lbf)
7. Connect the speed sensor connector.

