

TECHNICAL BULLETIN

Vehicle Model:

SQR7080T

No: TB-T0051

Date: August 24, 2006

Section: TRANSMISSION

Title:

Technical Bulletin about Fault of S11+AMT Clutch Position Sensor

Affected range:

All S11+AMT Vehicle Models

Description:

The service stations reflect that S11+AMT clutch position sensor has water and dust, which causes AMT fault. Through analysis, installing seal washer on the sensor can solve the above problem. For the following common faults caused by its water and dust, service stations are suggested to first inspect and replace clutch position sensor, and install washers in order to reduce unnecessary claim for speed selectors.

Remove clutch position sensor first, inspect if there's water or dust on the sensor and if rotation axis doesn't work well. If so, it is suggested to clean the sensor installation position, replace clutch position sensor and install seal washer.

Fault 1: AMT self-detection fault lamp is always on, and the scanner detection fault code is P1743 or P1810;

Solution: Replace clutch position sensor and install seal washer in accordance with detection results.

Fault two: It can't shift gears, shift to reverse gear, start after shifting, and can shift to N gear automatically during driving.

Solution: Replace clutch position sensor and install seal washer in accordance with detection results.

Fault three: It can run automatically without depressing accelerator.

Solution: First, make self-learning of clutch meshing point, if it fails, replace clutch position sensor and install seal washer in accordance with detection results.

Fault four: When AMT enters self-protection mode, it can only shift to 1, 2, R gear, and can't shift to 3 gear.

Solution: Replace clutch position sensor and install seal washer in accordance with detection results.

The operational instruction for clutch position sensor replacement and seal washer installation is shown in the attachment as follows.

Compiled by:

Tailai Zhou

Checked by:

Lixin Zhang

Approved by:

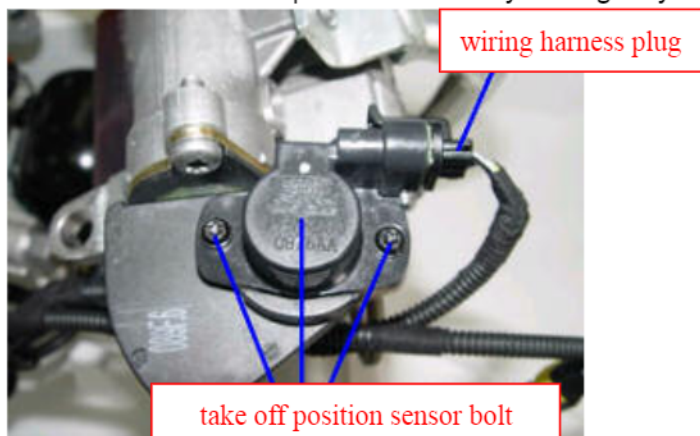
Wesley Wang

Attachment:

The operational instruction:

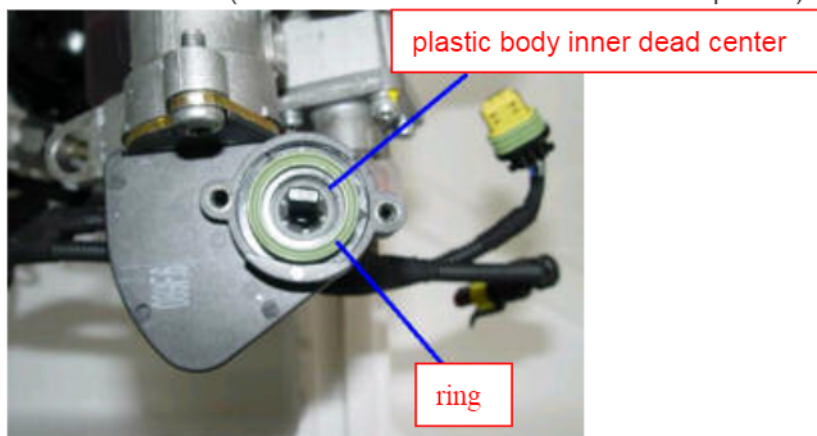
1. Remove position sensor

Take off harness connector for position sensor, remove the two self-tapping screws for tightening position sensor and then take off position sensor by hand gently.



2. Install seal washer

Use a seal (no directional) by hand to cover plastic body inner dead center evenly and press slightly by hand to make it flat (Note: Washer should be in the middle place.)



3. Install position sensor

◆ Remove clutch cable. When the connection line between the two holes of position sensor forms an angle of about 90 with plastics body bottom hole (The end of connector with wire is upwards), and cover plastic shift fork slantwise gently.

◆ Turn it to an angle of about 90 in a clockwise and make the two screw holes in one line, meanwhile, the rotor insides position sensors has been turned to a certain angle and is spingly by hand touching.

◆ Install the two self-tapping screws and then tighten them by a torque air screwdriver.



4. Connect position sensor harness connector.