

SERVICE BULLETIN

SUBARU CORPORATION
Customer Quality Dept.
Japan.

Issued: 1 April, 2022

Subject:	Repair Procedure Change: Repair Procedure against the clanking noise from COLUMN ASSEMBLY-STEERING
Applicable Section in Service Manual:	STEERING COLUMN > STEERING COLUMN ASSY
Applicable Parts Name in Parts System:	Steering System and Cable > STEERING COLUMN > COLUMN ASSEMBLY-STEERING
Foreword:	This Service Bulletin is to inform you of the repair procedure against a clanking noise from COLUMN ASSEMBLY-STEERING that occurs when driving over bumps or on rough road.

1. Applicable Vehicle

Applicable Vehicle	Destination, Specification	MY
BRZ	North America, Europe, General	13 - 20

This information is applicable to Japan production vehicles only.

2. Details of Symptom and Improvement

Symptom	Details of Symptom and Countermeasure
A clanking noise from COLUMN ASSEMBLY-STEERING occurs when driving over bumps or on rough road.	<p>Details of Symptom: A clanking noise from COLUMN ASSEMBLY-STEERING occurs when driving over bumps or on rough road. This is due to the damaged component parts inside of COLUMN ASSEMBLY-STEERING.</p> <p>Countermeasure: The problem can be solved by replacing the damaged component parts in COLUMN ASSEMBLY-STEERING.</p> <p>When the problem is reported, replace the damaged parts with new ones. The new parts are available as Repair Part Kit 34595CA000. (See 4. Working Procedure.)</p>

3. Parts Information

No.	Part Number	Part Name	Note
1	34595CA000	RPR KIT DMPR	Newly set up repair part kit

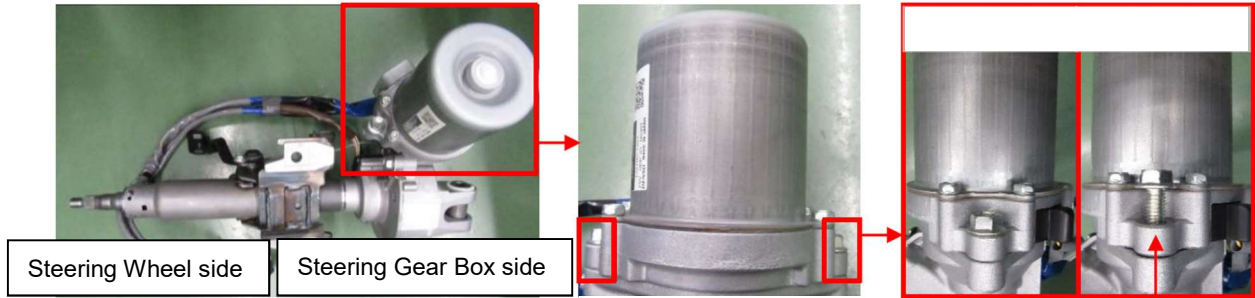
RPR KIT DMPR contains 1 Rubber Spring, 1 Spacer, and 2 tightening bolts for Power Steering Motor.

4. Working Procedure

Note: Do not work with bare hands and avoid moisture and oil/grease.

Secure the steering COLUMN ASSEMBLY-STEERING in a vise with proper cushion like cloth or aluminum plates.

4-1 Loosen two tightening bolts and remove Power Steering Motor. (Discard old tightening bolts.)



Loosen two tightening bolts.

Note: Do not cut or remove the vinyl tape that holds wiring harnesses.

If wiring harnesses are separated, they may interfere with vehicle body and cause harness damage.

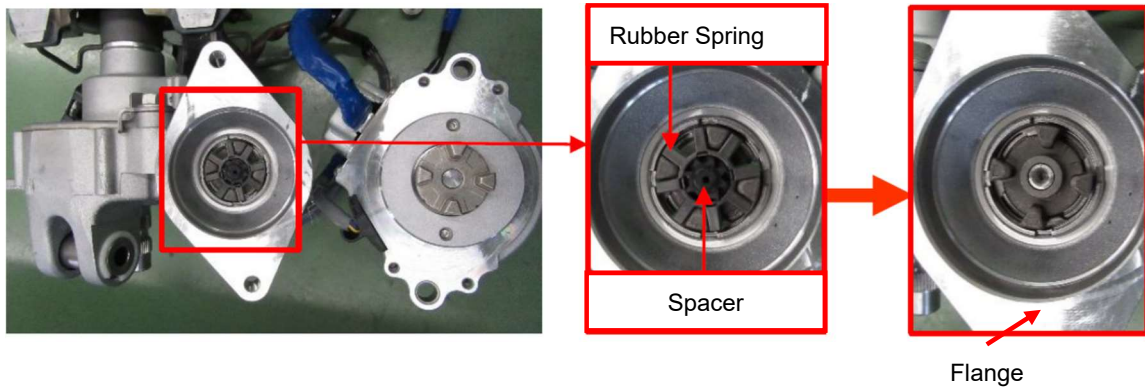


Good: Vinyl tape holds all wiring harnesses together.



Bad: Vinyl tape is removed and harnesses are separated.

4-2 Remove old Rubber Spring and old Spacer. Then remove foreign objects and clean the flange.



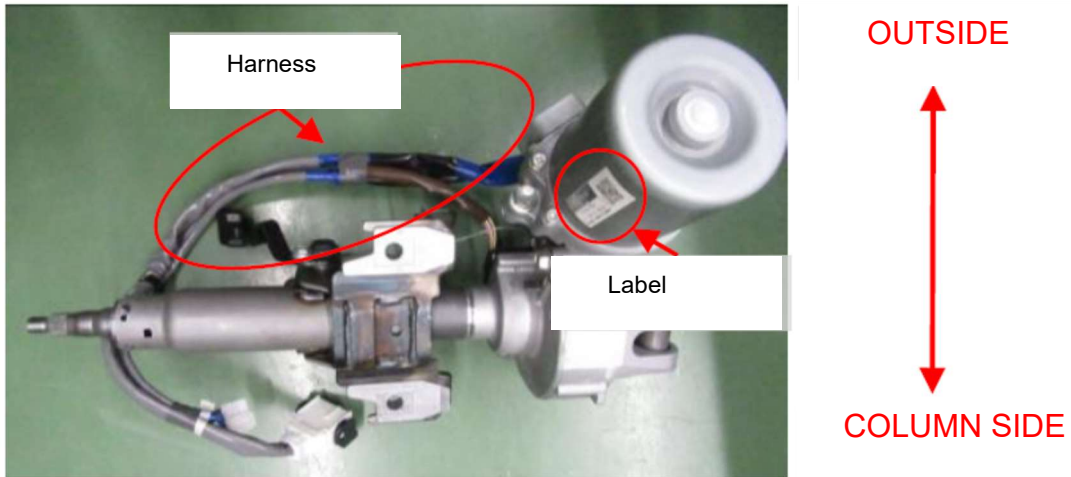
4-3 Install new Rubber Spring to the flange boss, then put new Spacer in the center of Rubber Spring.



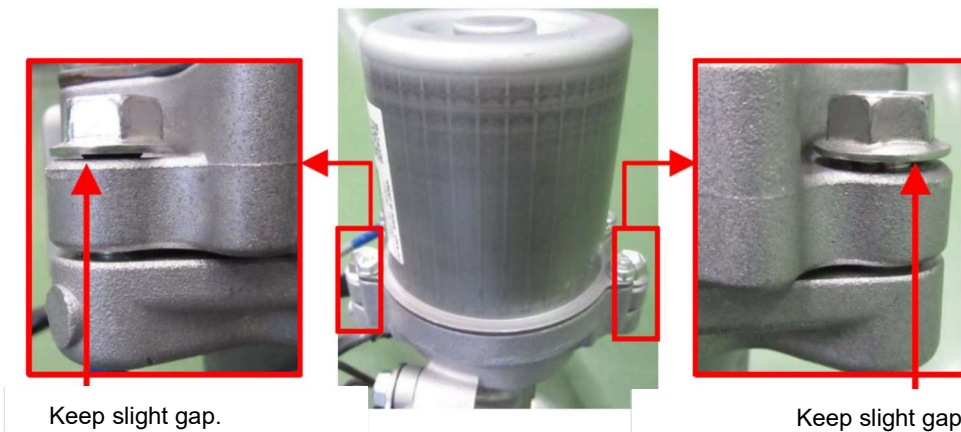
Note: Spacer must be set on the level against Rubber Spring.



4-4 Set COLUMN ASSEMBLY-STEERING as shown in the below photo.
The label on the power steering motor must be facing toward steering column side.
The harnesses must be located outside.



4-5 Temporarily tighten two bolts for Power Steering Motor.
Make sure bolt flange does not touch motor flange surface. (Keep slight gap.)

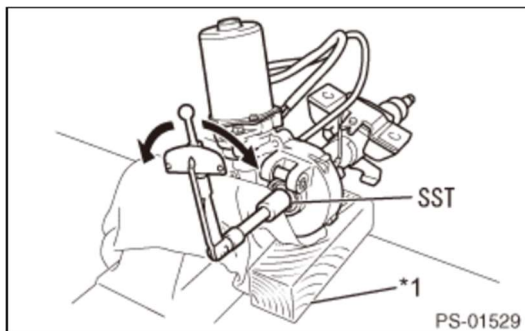


4-6 Install Power Steering Motor to COLUMN ASSEMBLY-STEERING.

Make sure Power Steering Motor to be placed in right angle (90 degrees) against horizon.

Then, using a SST **09616-00011**, rotate the shaft 180 degree right and left three times at a constant speed of approximately one turn every second.

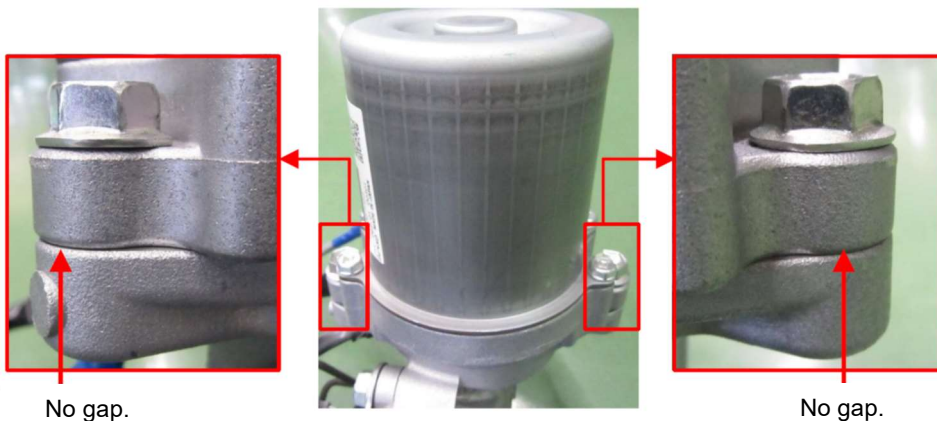
SST 09616-00011



4-7 Tighten two bolts to secure power steering motor to COLUMN ASSEMBLY-STEERING.

Tightening Torque: 18.5 Nm (15 – 22 Nm)

Make sure there is no gap between power steering motor flange and COLUMN ASSEMBLY-STEERING



4-8 Check the preload by following the Service Manual STEERING COLUMN > STEERING COLUMN ASSY > Unit Inspection. Make sure that there is no abnormal sticking during shaft rotation.

5. Labour Time

Refer to applicable vehicle Flat Rate Data.

Add 1 hour for Repair Part Kit installation.

END.

CAUTION: VEHICLE SERVICING PERFORMED BY UNTRAINED PERSONS COULD RESULT IN SERIOUS INJURY TO THOSE PERSONS OR TO OTHERS.

SUBARU Service Bulletins are intended for use by professional technicians **ONLY**. They are written to inform those technicians of conditions that may occur in some vehicles, or to provide information that could assist in the proper servicing of the vehicle. Properly trained technicians have the equipment, tools, safety instructions, and know-how to do the job correctly and safely. If a condition is described, **DO NOT** assume that this Service Bulletin applies to your vehicle, or that your vehicle will have that condition.