



Technical Service Bulletin

SUBJECT: UPDATED BRAKE INSPECTION PROCEDURES – SERVICE MANUAL REVISION			No: TSB-13-35-002
			DATE: February, 2013
			MODEL: 2013 Outlander Sport/ RVR
CIRCULATE TO:	<input type="checkbox"/> GENERAL MANAGER	<input type="checkbox"/> PARTS MANAGER	<input checked="" type="checkbox"/> TECHNICIAN
<input checked="" type="checkbox"/> SERVICE ADVISOR	<input checked="" type="checkbox"/> SERVICE MANAGER	<input type="checkbox"/> WARRANTY PROCESSOR	<input type="checkbox"/> SALES MANAGER

PURPOSE

This TSB updates inspection procedures for “Brake Drag,” “Scraping or Grinding Noise when Brakes are Applied” and “Squealing Noise when Brakes are not Applied” in the applicable service manual.

This TSB provides new information only.

AFFECTED VEHICLES

2013 Outlander Sport

AFFECTED SERVICE MANUALS

2013 Outlander Sport Service Manual Group 35 Service Brakes:

- 35A – Basic Brake > Basic Brake System Diagnosis > Symptom Procedures > Inspection Procedure 4: Brake Drag
- 35A – Basic Brake > Basic Brake System Diagnosis > Symptom Procedures > Inspection Procedure 5: Scraping or Grinding Noise when Brakes are Applied
- 35A – Basic Brake > Basic Brake System Diagnosis > Symptom Procedures > Inspection Procedure 6: Squealing Noise when Brakes are not Applied

Continued

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Replace 2013 Outlander Sport Service Manual Group 35 Service Brakes: > 35A – Basic Brake > Basic Brake System Diagnosis > Symptom Procedures > Inspection Procedure 4: Brake Drag with the following:

<Correct>

INSPECTION PROCEDURE 4: Brake Drag

DIAGNOSIS

STEP 1. Check the parking brake pull amount.
Refer to GROUP 36 – On-vehicle Service, Parking Brake lever Stroke Check and Adjustment.

Q: Is there a fault?
YES : Adjust it. Then go to Step 4.
NO : Go to Step 2.

STEP 2. Check port for clogging.

Q: Is the port clogged?
YES : Repair it. Then go to Step 4.
NO : Go to Step 3.

STEP 3. Check disk brake pistons for sticking.
Depress the brake pedal, then release. Confirm each wheel spins freely.

Q: Does any wheel stick?
YES : Inspect that brake assembly. Then go to Step 4.
NO : Go to Step 4.

STEP 4. Recheck symptom.

Q: Is the symptom eliminated?
YES : The procedure is complete.
NO : Start over at step 1. If a new symptom surfaces, refer to the symptom chart.

Replace 2013 Outlander Sport Service Manual Group 35 Service Brakes: > 35A – Basic Brake > Basic Brake System Diagnosis > Symptom Procedures > Inspection Procedure 5: Scraping or Grinding Noise when Brakes are Applied with the following:

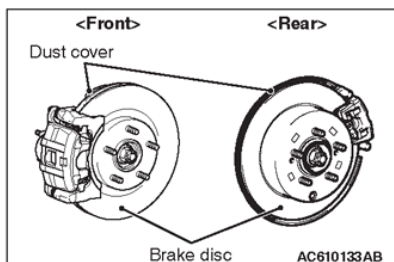
<Correct>

INSPECTION PROCEDURE 5: Scraping or Grinding Noise when Brakes are Applied

DIAGNOSIS

STEP 1. Check the front brakes, then rear brakes, for metal-to-metal condition.**Q: Is any metal-to-metal contact evident?****YES :** Repair or replace the components. Then go to Step 5.**NO :** Go to Step 2.

STEP 2. Check for interference between the caliper and wheel.**Q: Is there any interference?****YES :** Repair or replace the part. Then go to Step 5.**NO :** Go to Step 3.

STEP 3. Check for interference between the dust cover and brake disc.**Q: Is there any interference?****YES :** Repair or replace the part. Then go to Step 5.**NO :** Go to Step 4.

STEP 4. Check the brake drums or discs for cracks.**Q: Are there cracks?****YES :** Repair or replace the part. Then go to Step 5.**NO :** Go to Step 5.

STEP 5. Recheck symptom.**Q: Is the symptom eliminated?****YES :** The procedure is complete.**NO :** Start over at step 1. If a new symptom surfaces, refer to the symptom chart.

Replace 2013 Outlander Sport Service Manual Group 35 Service Brakes: > 35A – Basic Brake > Basic Brake System Diagnosis > Symptom Procedures > Inspection Procedure 7: Squealing Noise when Brakes are not Applied with the following:

<Correct>

INSPECTION PROCEDURE 7: Squealing Noise when Brakes are not Applied

DIAGNOSIS

STEP 1. Check the brake discs for rust.**Q: Are the brake discs rusted?**

YES : Remove the rust by using sand paper. If still rusted, turn the rotors with an on-the-car brake lathe. Then go to Step 6.

NO : Go to Step 2.

STEP 2. Check the brake pads for correct installation.**Q: Are the pads installed incorrectly?**

YES : Repair the pads. Then go to Step 6.

NO : Go to Step 3.

STEP 3. Check the calipers for correct installation.**Q: Are the calipers installed incorrectly?**

YES : Repair the calipers. Then go to Step 6.

NO : Go to Step 4.

STEP 4. Check the wheel bearings for end play.

Refer to GROUP 26 – On-vehicle Service, Wheel bearing end play check <Front>, GROUP 27A – On-vehicle Service, Wheel bearing end play check <Rear (FWD)> or GROUP 27B – On-vehicle Service, Wheel bearing end play check <Rear (AWD)>.

Q: Does the measured end play exceed the limit?

YES : Replace the faulty hub assembly. Then go to Step 6.

NO : Go to Step 5.

STEP 5. Adjust the brake pedal.**Q: Is the brake pedal adjusted correctly?**

YES : Go to Step 6.

NO : Adjust the brake pedal. Then go to Step 6.

STEP 6. Recheck symptom.**Q: Is the symptom eliminated?**

YES : The procedure is complete.

NO : Start over at step 1. If a new symptom surfaces, refer to the symptom chart.