

Hyundai Motor America

**Attachment 1 – Interim Technical Service Bulletin**



**HYUNDAI** | NEW THINKING.  
NEW POSSIBILITIES.

**Technical Service Bulletin**

GROUP <b>CAMPAIGN</b>	NUMBER <b>14-01-025</b>
DATE <b>JUNE, 2014</b>	MODEL(S) <b>SONATA (LFA)</b>

**SUBJECT:** SONATA FRONT BRAKE CALIPER INSPECTION AND REPAIR  
(SERVICE CAMPAIGN TT5)

**★ IMPORTANT**

**\*\*\* Dealer Stock and Retail Vehicles \*\*\***

Dealers must perform this Service Campaign on all affected vehicles prior to customer retail delivery and whenever an affected vehicle is in the shop for any maintenance or repair.

When a vehicle arrives at the service department, access Hyundai Motor America's "Warranty Vehicle Information" screen via WEBDCS to identify open Campaigns.

**Description:** This bulletin describes the procedure to inspect the left and right front brake caliper assemblies, and replace if necessary on certain 2015 model year Sonata (LFA) vehicles.



**Applicable Vehicles:** 2015 Sonata (LFA)

**Parts Information:**

Part Name	Part Number	Qty.
Front Left Brake Caliper Kit	58180-C1A10	1
Front Right Brake Caliper Kit	58190-C1A10	1
DOT 4 Brake Fluid	00232-19053	As needed
Copper Washer	17512-10000	2 required per caliper replaced

Circulate To: General Manager, Service Manager, Parts Manager, Warranty Manager, Service Advisors, Technicians, Body Shop Manager, Fleet Repair

**Warranty Information:**

Model	Op. Code	Operation	Op. Time
Sonata (LFa)	41CA05I0	BRAKE CALIPER INSPECTION ONLY	0.3 M/H
	41CA05R0	INSPECTION & REPLACE LH CALIPER ONLY	0.8 M/H
	41CA05R1	INSPECTION & REPLACE RH CALIPER ONLY	0.8 M/H
	41CA05R2	INSPECTION & REPLACE BOTH LH/RH CALIPERS	1.0 M/H

**NOTE:** Submit Claim on Campaign Claim Entry Screen

**NOTE:** Part number 00232-19053 (DOT 4 brake fluid) will be reimbursed on campaign claim.

**NOTICE**

Removed brake calipers will be subject to WTC parts return request.

**Service Procedure:**

1. Remove both front wheel assemblies for caliper inspection.

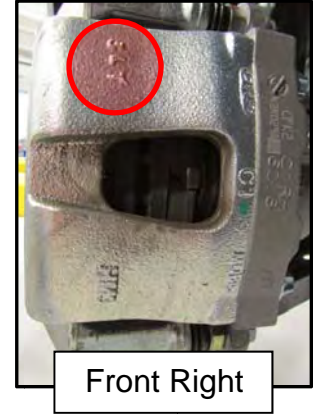
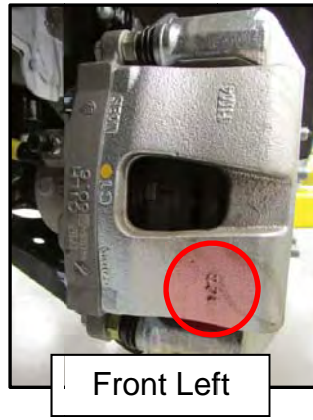
**NOTICE**

**Tightening torque: 65.1~79.6 lb-ft  
(88.3~107.9 Nm, 9.0~11.0 kgf.m)**



2. Inspect front left and right calipers to verify lot code.

- If the lot code is **'4CB'**, the caliper(s) must be replaced. Proceed with the rest of the service procedure.
- If the lot code is **not '4CB'**, the caliper(s) do not require replacement. Re-install the front wheel assembly/assemblies to complete the service procedure.



**NOTICE**

When viewing the caliper from the front of the vehicle looking towards the rear, the lot code is located on the bottom for the left side, and the top for the right side, as seen in the pictures above.

**NOTICE**

Some calipers may have lot codes with 4 digits. Any caliper with a lot code that has '4CB' in the first 3 digits requires replacement.



LOT CODE IS GOOD - DO NOT REPLACE



LOT CODE 4CB IS BAD - REPLACE



3. Remove brake line from caliper.

**CAUTION**

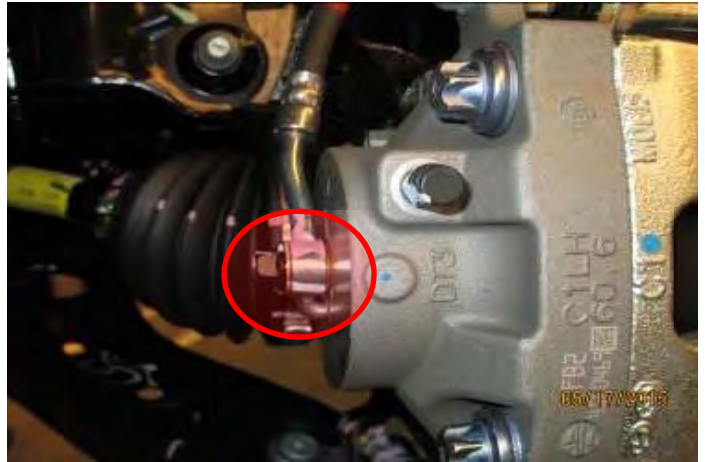
There are 2 copper washers on the brake line bolt that must be replaced when installing new caliper(s).

**NOTICE**

If any brake fluid is spilled, immediately clean the spill by generously flushing water over the area.

**NOTICE**

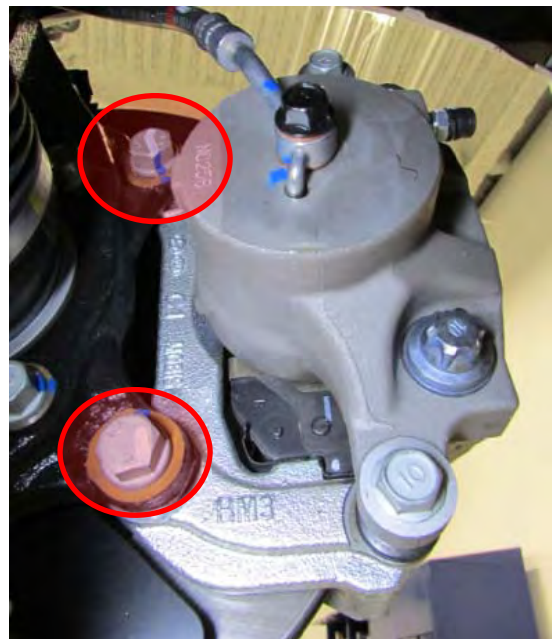
Tightening torque: 18.1~21.7 lb-ft  
(24.5~29.4 Nm, 2.5~3.0 kgf.m)



4. Remove caliper mounting bolts.

**NOTICE**

Tightening torque: 57.9~72.3 lb-ft  
(78.5~98.1 Nm, 8.0~10.0 kgf.m)



5. Remove caliper assembly from axle assembly.

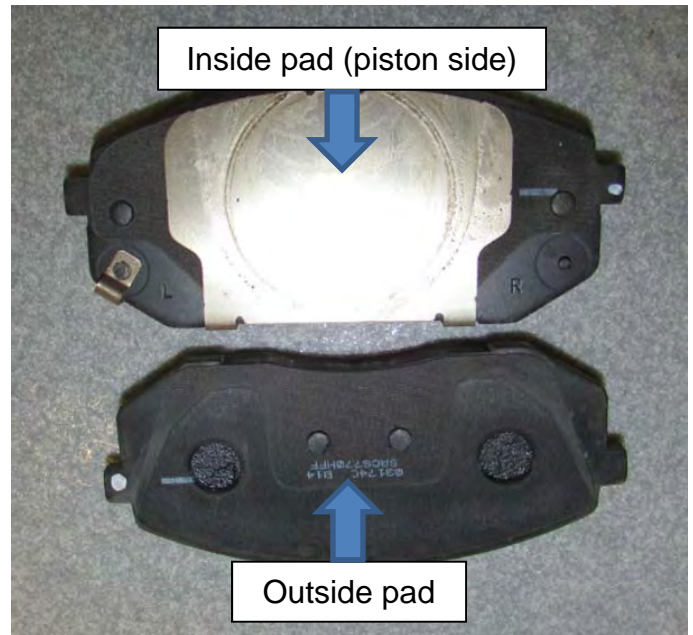


6. Remove the brake pads from the removed caliper, and install them into the new caliper.

**NOTICE**

Install the brake pad with the shim plate so it faces the caliper piston (inside position).

Install the brake pad without the shim plate on the opposite side (outside position).



7. Install the new caliper and reassemble axle assembly in reverse order of removal.



**WARNING**

Failure to install both copper washers may result in a leak.

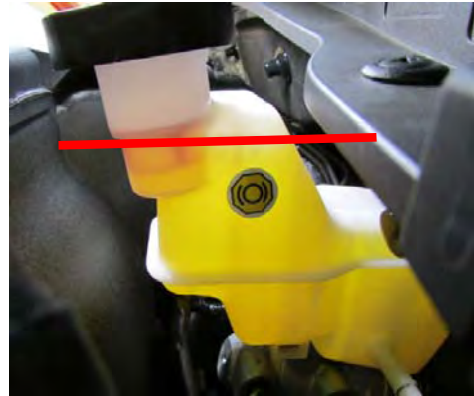
Be sure to use new washers on the brake line during re-assembly.



- 8. Ensure the brake fluid reservoir is filled to the MAX line.

**NOTICE**

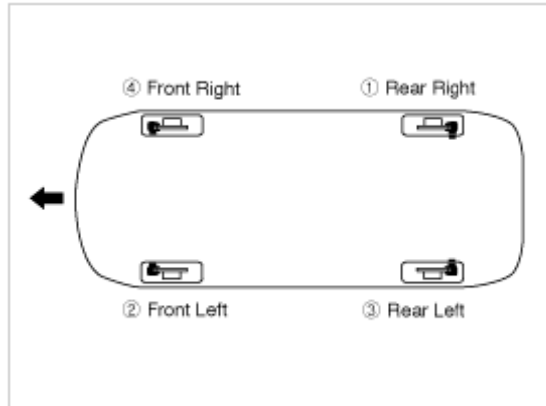
If any brake fluid is spilled, immediately clean the spill by generously flushing water over the area.



- 9. Bleed the brake lines at the caliper bleeders until no air bubbles appear in the fluid in the correct bleeding order:
  1. Rear Right
  2. Front Left
  3. Rear Left
  4. Front Right

**NOTICE**

If any brake fluid is spilled, immediately clean the spill by generously flushing water over the area.



**WARNING**

DO NOT allow the brake fluid level to drop below the MIN line on the brake fluid reservoir.

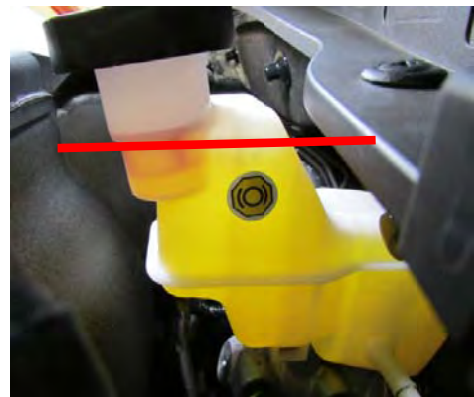
- 10. Re-install wheels, and fill brake fluid reservoir to the MAX line.

**NOTICE**

Tightening torque: 65.1~79.6 lb-ft (88.3~107.9 Nm, 9.0~11.0 kgfm)

**NOTICE**

If any brake fluid is spilled, immediately clean the spill by generously flushing water over the area.



- 11. Test drive vehicle to ensure proper brake operation.

Hyundai Motor America

Attachment 2- Dealer Communications



TO: Hyundai Dealership General Managers, Sales Managers,  
Service Managers, Parts Managers, and Warranty  
Administrators  
FROM: Hyundai Motor America  
DATE: June 18, 2014  
SUBJECT: Retail Hold - Immediate Action Required - All Dealer  
Stock 2015 Sonata

Effective immediately, all 2015 Sonatas in Dealer Stock  
(including Service Rental Cars) should not be driven or delivered  
to retail or fleet customers until further notice. Hyundai will  
be providing additional information shortly. Until that  
information is received and the actions completed, vehicles must  
remain on dealership lots and should not be driven.

HYUNDAI MOTOR AMERICA

//ALL 06/19/2014 to 07/30/2014  
TO: Hyundai Dealership General Managers, Sales Managers,  
Service Managers, Parts Managers, and Warranty  
Administrators  
FROM: Hyundai Motor America  
DATE: June 19, 2014  
SUBJECT: Service Campaign TT5 - 2015 Sonata (LF) Front Brake  
Caliper Inspection and Replacement (TSB# 14-01-025)

Hyundai Motor America is conducting a Service Campaign TT5 to inspect and replace the front brake caliper(s) on certain 2015 Model Year Sonata vehicles.

TSB #14-01-025 is available on Hyundai's Website as of June 19, 2014. It contains instructions on performing the service and submitting the campaign claim.

In order to identify only those vehicles affected by Service Campaign TT5, it will be necessary to access Hyundai Motor America's "Warranty Vehicle Information" screen via WEBDCS before starting the repair. The "Warranty Vehicle Information" screen will identify affected vehicles with an open Service Campaign TT5.

A listing of VEHICLES is also located on WEBDCS, SERVICE tab, select INFORMATION, and select UNCOMPLETED CAMPAIGN VIN LISTING - DEALER STOCK and RETAILED.

**If the final results of the inspection process indicates replacement of the caliper (LH, RH, or both) is needed, dealers should order the applicable part(s) from their facing PDC.**

It is IMPORTANT TO SUBMIT A CAMPAIGN CLAIM FOR EACH VEHICLE SERVICED so your dealership can be compensated for your work and Hyundai Motor America can maintain accurate records of campaign completions.

LEGAL LIABILITY NOTICE: You are required to keep confidential any and all information and documents provided to you by Hyundai Motor America in the conduct of carrying out work for this service campaign. Hyundai Motor America dealers may use owner information provided for the campaign only for the purpose of conducting and performing this service campaign, and for no other purpose.

Hyundai Motor America appreciates your cooperation and support. Questions may be directed to your District Parts and Service Manager or Warranty HELPREP line at 1-877-446-2922.

HYUNDAI MOTOR AMERICA