



Technical Service Bulletin

GROUP CAMPAIGN	NUMBER 18-01-005-G
DATE DECEMBER, 2018	MODEL(S) G70 (IK) G80 (DH) G90 (HI)

SUBJECT: 19MY GENESIS G70 (IK), G80 (DH), G90 (HI) BRAKE PULSATION (SERVICE CAMPAIGN T06G)

* IMPORTANT

*****DEALER STOCK ONLY*****

Dealers must only perform this Service Campaign on all affected vehicles prior to customer retail delivery.

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 and repair brake pulsation on dealer stock vehicles only. **The procedure described should be performed just prior to retail sale.**



Applicable Vehicles: 19MY G70 (IK), G80, (DH), and G90 (HI) vehicles.

Warranty Information:

Model	Op. Code	Operation	Op. Time	Causal Part	Nature Code	Cause Code
G70 (IK) G80 (DH) G90 (HI)	80C090R0	Brake Pulsation Inspection (Test Drive Only)	0.4	Refer to the parts catalog for the applicable "Disc-Front Wheel Brake"	V62	ZZ8
	80C090R1	Brake Pulsation Inspection and Repair (Test Drive → Resurface Front Rotors → Burnish Brakes)	1.9			

NOTE 1: Submit Claim on Campaign Claim Entry Screen

NOTE 2: If a part is found in need of replacement while performing Service Campaign T06G and the affected part is still under warranty, submit a separate claim using the same Repair Order. If the affected part is out of warranty submit a Prior Approval Request for goodwill consideration prior to performing the work.

Service Procedure:

1. Drive the vehicle and accelerate to 50 mph.

Apply the brakes using moderate force (about 0.3g deceleration rate) and slow the vehicle to 10 mph. *This will take about 6 seconds.*

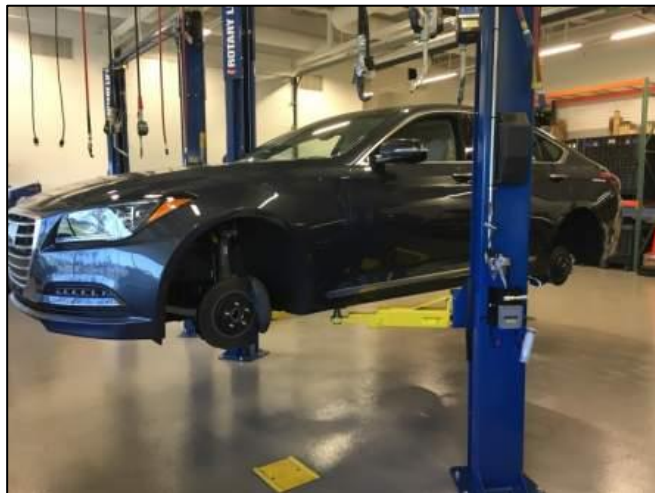


2. With as little cooling time as possible, repeat this braking event 10 times. *The total drive time should take no more than 5 minutes.*
3.
 - If no brake pedal pulsation is noted at the end of the drive cycle (last few stops), the service procedure is complete.
 - Submit campaign claim using labor operation 80C090R0.
 - If brake pedal pulsation is noted at the end of the drive cycle (last few stops), continue to step 4.

4. Lift the vehicle on a hoist and remove the front two wheel/tire assemblies.

NOTICE

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



5. Resurface the 2 front brake rotors using any preferred method:

- Remove calipers and rotors and use standard **off-car** brake lathe.
- Remove calipers and use an **on-car** brake lathe (*recommended*).

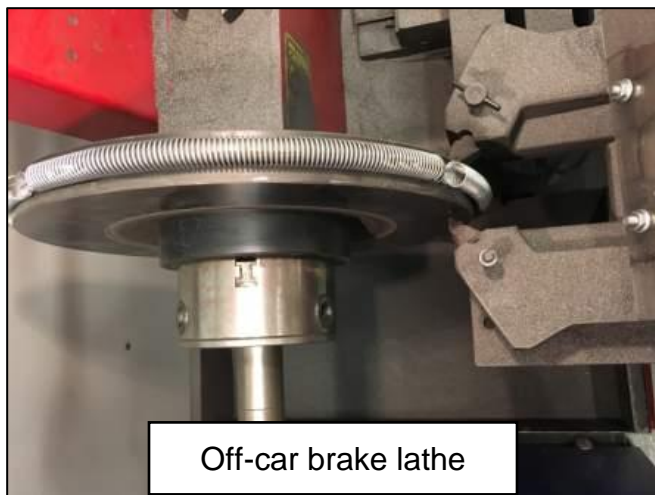
IMPORTANT

When machining rotors, it is imperative to observe the following:

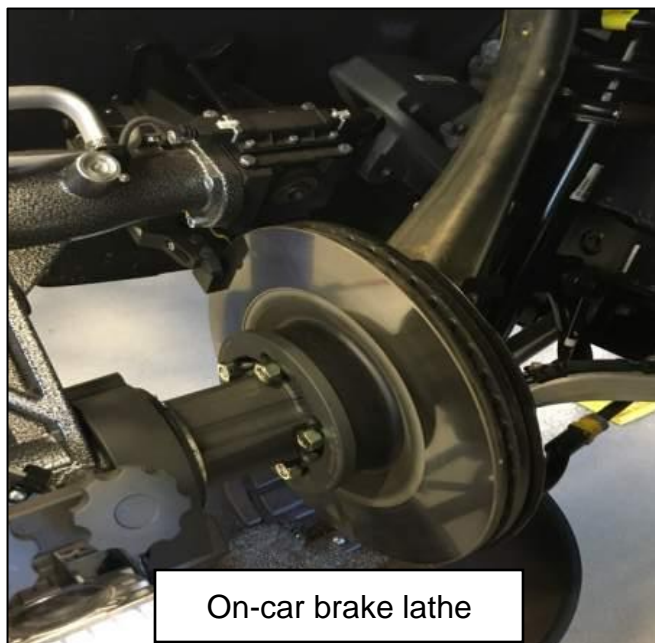
- **Set cutting depth to 3 ~ 5 thousandths of an inch (0.003" ~ 0.005") per pass.**
- **Make a maximum of 2 machining passes per side.**
- **Minimum rotor thickness:**

Model	Minimum Thickness
G70 (IK) Standard	26.0mm (1.02")
G70 (IK) Brembo	28.0mm (1.10")
G80 (DH)	28.4mm (1.12")
G90 (HI)	32.4mm (1.28")

- **If the rotor thickness is below the minimum, replace both front rotors and submit a separate warranty claim using the same Repair Order.**



Off-car brake lathe



On-car brake lathe

6. Drive the vehicle again and accelerate to 50 mph.

Apply the brakes using moderate force (about 0.3g deceleration rate) and slow the vehicle to 10 mph. *This will take about 6 seconds.*



With as little cooling time as possible, repeat this braking event 10 times. *The total drive time should take no more than 5 minutes.*

NOTICE

If possible, **try to avoid coming to a complete stop** during this burnishing process. This will help create a uniform transfer layer and will aid in preventing brake pulsation.

If it is unavoidable to come to a complete stop, attempt to limit the amount of time that the brake pads are in contact with single section of the brake rotors -> ***try to creep the vehicle forward.***

- 7.
- If no brake pedal pulsation is noted at the end of the drive cycle (last few stops), the service procedure is complete.
 - If brake pedal pulsation is noted at the end of the drive cycle (last few stops), replace both front rotors and submit 2 claims using the same R.O. number:
 - Campaign claim using labor operation 80C090R1.
 - Warranty claim for replacement of both front rotors.