



HYUNDAI Technical Service Bulletin

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| Group | AUTOMATIC TRANSAXLE |
| Number | 09-AT-003 |
| Date | FEBRUARY, 2009 |
| Model | 2010~ GENESIS COUPE 2.0L TURBO |

Subject
**GENESIS COUPE 2.0L TURBO
 AUTOMATIC TRANSAXLE FLUID LEVEL**

| | | | |
|---|---|---|--|
| CIRCULATE TO: | <input type="checkbox"/> GENERAL MANAGER | <input checked="" type="checkbox"/> PARTS MANAGER | <input checked="" type="checkbox"/> TECHNICIAN |
| <input checked="" type="checkbox"/> SERVICE ADVISOR | <input checked="" type="checkbox"/> SERVICE MANAGER | <input checked="" type="checkbox"/> WARRANTY MGR | <input type="checkbox"/> SALES MANAGER |

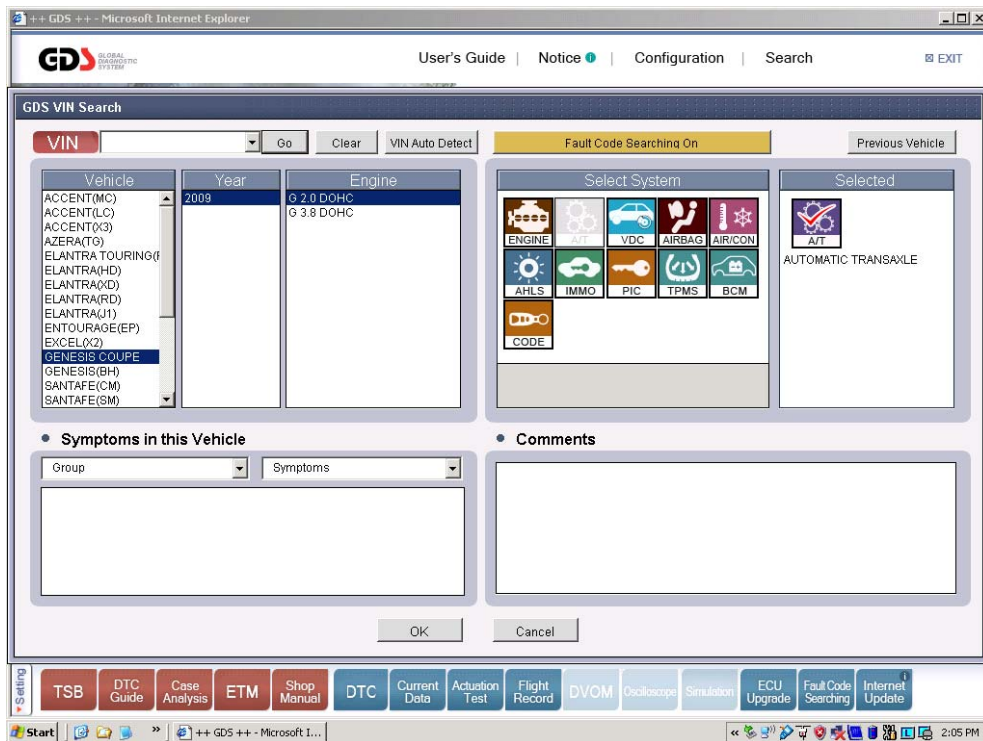
DESCRIPTION:

The Genesis Coupe 2.0L Turbo utilizes a new electronically controlled 5-speed automatic transaxle. The ATF level can be checked by the following procedure:

NOTE: The Genesis Coupe 2.0L uses synthetic automatic transaxle fluid (ATF). Use only ATF meeting the Red Line specification approved by Hyundai Motor Company. DO NOT use SPIII or other ATF which may result in degradation of shift quality or transaxle durability.

ATF LEVEL INSPECTION:

1. Attach a GDS and select vehicle and "A/T" menu.



2. Select Current Data and “Fluid temperature-1 (Oil Pan)”. Drive the vehicle until the fluid temperature is between 122~140°F (50~60°C).

The screenshot shows the GDS++ diagnostic software interface. The main window displays the 'Current Data' screen for a 2009 Genesis Coupe. The 'Fluid Temperature-1 (Oil Fan)' sensor is selected and highlighted in blue, showing a value of 129 °F. Other sensors listed include FR/B Solenoid Duty, FR/B Solenoid Current, FR/B Solenoid Pressure, D/C Solenoid Duty, D/C Solenoid Current, D/C Solenoid Pressure, LC/B Solenoid, Fluid Temperature-2 (Convert Outlet), Gear Ratio, Current Gear, Target Gear, and various Oil Pressure Switches. The interface also includes a sidebar with navigation options like 'Basic Inspection', 'DTC Analysis', and 'Data Analysis', and a bottom toolbar with various diagnostic tools.

| Sensor Name | Value | Unit |
|---|----------|------|
| <input type="checkbox"/> FR/B Solenoid Duty | 100 | % |
| <input type="checkbox"/> FR/B Solenoid Current | 0 | mA |
| <input type="checkbox"/> FR/B Solenoid Pressure | 78 | psi |
| <input type="checkbox"/> D/C Solenoid Duty | 0 | % |
| <input type="checkbox"/> D/C Solenoid Current | 0 | mA |
| <input type="checkbox"/> D/C Solenoid Pressure | 0 | psi |
| <input type="checkbox"/> LC/B Solenoid | OFF | - |
| <input checked="" type="checkbox"/> Fluid Temperature-1 (Oil Fan) | 129 | °F |
| <input type="checkbox"/> Fluid Temperature-2 (Convert Outlet) | 136 | °F |
| <input type="checkbox"/> Gear Ratio | 0.00 | - |
| <input type="checkbox"/> Current Gear | P/N/R | - |
| <input type="checkbox"/> Target Gear | P/N/R | - |
| <input type="checkbox"/> Oil Pressure Switch-2 (LC/B) | OFF | - |
| <input type="checkbox"/> Oil Pressure Switch-5 (D/C) | OFF | - |
| <input type="checkbox"/> Oil Pressure Switch-3 (I/C) | OFF | - |
| <input type="checkbox"/> Oil Pressure Switch-1 (FR/B) | OFF | - |
| <input type="checkbox"/> Oil Pressure Switch-6 (H&L R/C) | OFF | - |
| <input type="checkbox"/> Shift Pattern Switch | No shift | - |
| <input type="checkbox"/> Selected Lever Range | P | - |
| <input type="checkbox"/> Inhibitor Switch-1 | OFF | - |
| <input type="checkbox"/> Inhibitor Switch-2 | OFF | - |

3. Step on the brake and then shift into “R”, “N” “D” and back, pausing 2 seconds in each range. Shift into Sports Mode 1 & 2. Repeat two times.
4. Move the shift lever to P, leave the **engine running** and lift the vehicle on a hoist.





5. Remove the fill and overflow plug. The oil level is correct if ATF flows out in a thin oil stream or steady drop-by-drop. If no oil flow occurs, go to Step 6.

NOTE: Collect and dispose of any excess fluid in accordance with local regulations.



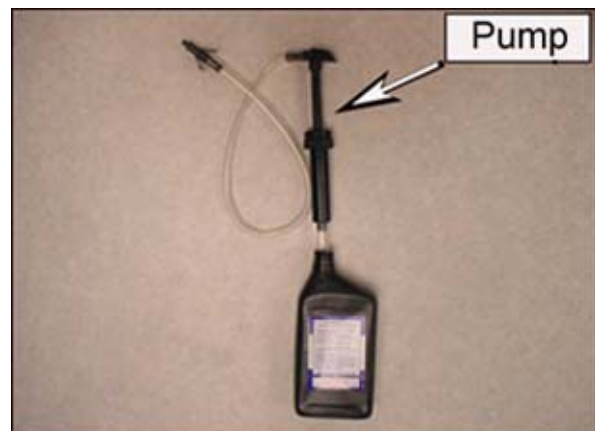
**ATF TEMPERATURE = 136~147°F (58-64°C)
SHIFT LEVER IN "P" AND ENGINE IDLING**

6. Add ATF to the fill plug hole in 1/4 quart increments until ATF flows out of the fill plug hole in a thin oil stream or steady drop-by-drop.

NOTE: DO NOT use SPIII or other ATF.

NOTE: Use a fluid transfer pump to add ATF (Use the following products or equivalent).

- MAC Tools Fluid Dispenser #MV7201 or #GS19HD
- Snap-on Suction Gun #YA745A



7. Reinstall the fill plug with a new gasket and tighten to specification:

- Fill plug: 25~33 lb-ft (3.5~5.0 kgf.m)

PARTS INFORMATION:

| VEHICLE | PART NUMBER | DESCRIPTION |
|--------------------------|--------------------|--------------------|
| 2010~ Genesis Coupe 2.0L | 00232 -19024 | Red-1 ATF |

MAINTENANCE SCHEDULE:

| DRIVING CONDITION | INSPECT ATF LEVEL | REPLACE ATF |
|--------------------------|----------------------------|--------------------------------------|
| Normal service | 37,500 miles/ 30 months | No replacement schedule specified |
| Severe service | | |