



# Engine Core Data/PWA Form

COMPLETE DATA FORM THEN OPEN A TECHLINE WARRANTY AUTHORIZATION CASE

R/O Number:

## Dealer Information- Required

Dealer Code and Name:		R/O Date:	Replacement Date:
Vin:	R/O Dates for Prior Engine Replacements:		Mileage:
Removed Part Number:		Removed Serial Number:	
Installed Part Number:		Installed Serial Number:	

## Service Advisor Section- Required

Repair Type: <input type="checkbox"/> Customer Pay <input type="checkbox"/> Warranty <input type="checkbox"/> OTC <input type="checkbox"/> Non-USA	Mileage Since Last Oil Change:
Describe concern in detail: _____ _____ _____	
Occurring for _____ Days	
Symptom Occurs: <input type="checkbox"/> Consistently <input type="checkbox"/> Intermittently <input type="checkbox"/> Under Load <input type="checkbox"/> Cruise <input type="checkbox"/> Deceleration	
Coolant Temp:   Hot / Cold   Vehicle Speed: _____   Engine RPM: _____   Gear: _____	
Oil Warning Lamp On?   Yes / No   If Yes, How long? _____	

## Diagnosis Section- Required (Not if engine is locked or has a hole in the block)

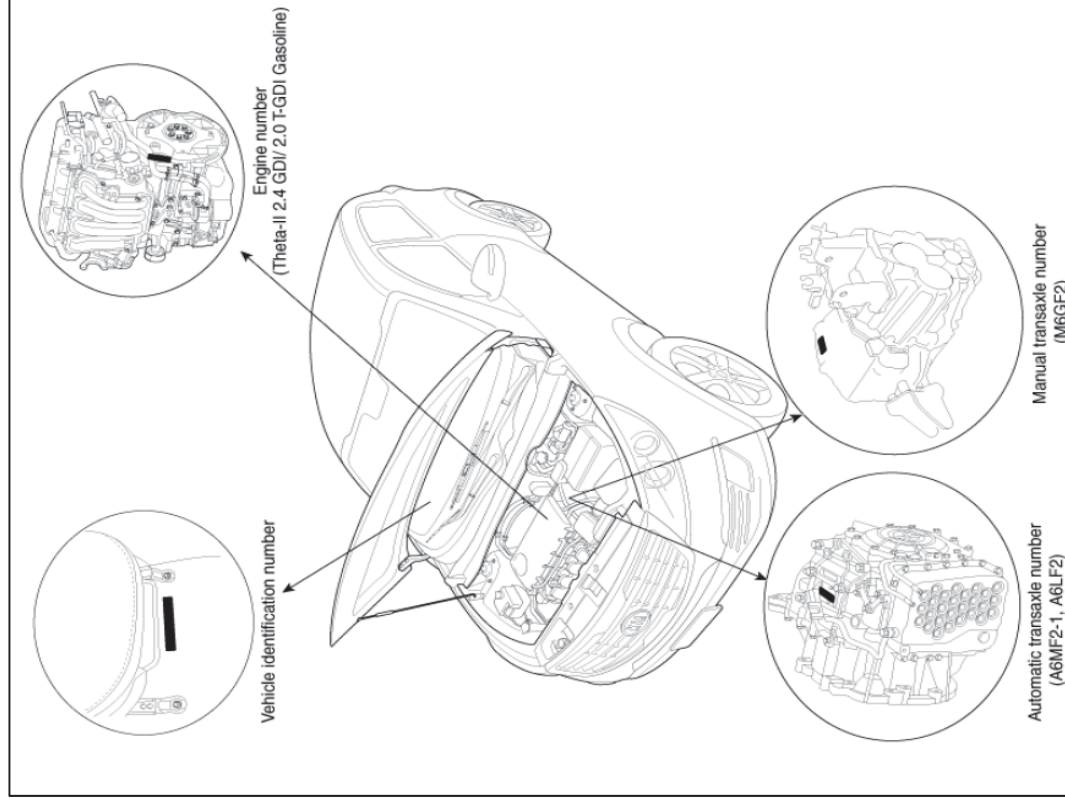
KU Technician ID: _____	Engine is locked	Hole in Engine
Techline Case Number: _____		
List of DTCs if present: _____		
Are there any leaks present?                      [OIL] [Coolant]		
Are there any unusual engine sounds present [Yes] [No]   Location, if any: _____		
Engine Oil Level..... [No Oil] [Low] [Normal] [Overfilled]		
Engine Oil Condition..... [Normal] [Burnt] [Fuel Odor] [Dirty]		
Coolant Level..... [No Coolant] [Low] [Normal]		
Coolant Condition..... [Normal] [Contaminant Residue] [Rust Present]		
Cooling system electrolysis test: _____ mV		
Vacuum Reading: _____		
Oil Pressure (after warm-up): _____ PSI @ _____ RPM		
Compression Test (PSI) Dry / Wet:		
#1 _____ / _____ #2 _____ / _____ #3 _____ / _____ #4 _____ / _____ #5 _____ / _____ #6 _____ / _____ #7 _____ / _____ #8 _____ / _____		
Compression Test (PSI) Running:		
#1 _____ #3 _____ #3 _____ #4 _____ #5 _____ #6 _____ #7 _____ #8 _____		
Cylinder Leak-Down (%):		
#1 _____ #3 _____ #3 _____ #4 _____ #5 _____ #6 _____ #7 _____ #8 _____		
Is there debris or damage to the combustion chamber? [Yes] [No]   Is there excessive carbon build-up on the intake valve? [Yes] [No]		

**FORM MUST BE SIGNED and DATED BY THE SERVICE MANAGER and TECHNICIAN and BE KEPT in the VEHICLE HISTORY FILE**

Service Manager Signature: \_\_\_\_\_ Technician Signature: \_\_\_\_\_ Date: \_\_\_\_\_



To locate an engine or transmission serial number go to [Kdealer.com](http://Kdealer.com) > KGIS > Service Materials > Service Info (SI) > Model/Model Year > Engine > General Information



## Engine Number

G 4 K J D 000001  
1 2 3 4 5 6

1. Engine fuel
  - G : Gasoline
2. Engine range
  - 4 : 4 cycle 4 cylinder
3. Engine development order and capacity
  - K : Theta engine (Gasoline)
4. Engine Capacity
  - H : 1998cc (Theta-II engine T-GDI)
  - J : 2359cc (Theta-II engine GDI)
5. Production year
  - D : 2013, E : 2014, F : 2015, G : 2016 ...
6. Plant of production
  - A : Asan (Korea)
  - B : Beijing (China)
  - H : Hwasung (Korea)
  - K : Montgomery (U.S.A)
  - M : Chennai (India)
  - P : Poseung (Korea)
  - S : Sohari (Korea)
  - T : Izmit (Turkey)
  - U : Ulsan (Korea)
  - W : Shandong (China)
  - Z : Zilina (Slovakia)
  - 1 : Yancheng (China)
7. Engine production sequence number
  - 000001 ~ 999999

## Automatic

GB D P B H 000001  
1 2 3 4 5 6

1. Model
  - GB : A6MF2-1 (Theta-II 2.4 MPI 2WD)
  - G : A6MF2-1 (Theta-II 2.4 MPI 4WD)
  - BB : A6LF2 (Theta-II 2.0 T-GDI 2WD)
  - BD : A6LF2 (Theta-II 2.0 T-GDI 4WD)
2. Production year
  - D : 2013, E : 2014, F : 2015, G : 2016 ...
3. Final gear ratio
  - R : 3.195
  - P : 3.064
  - F : 3.320
4. Detailed classification
  - B : Theta-II 2.0 T-GDI / 2.4 GDI
5. Plant of production
  - 2 : HPT Plant 2
  - 4 : HPT Plant 4
  - U : Ulsan plant 1
  - S : Ulsan plant 2
  - N : Ulsan plant 3
  - A : PTA
  - H : Hwasung
  - C : PTC
6. Transaxle production sequence number
  - 000001 ~ 999999