



GROUP

MODEL

ENG

2014-2017MY  
Multiple Models

NUMBER

DATE

254 (Rev 3, 12/04/2024)

June 2024

## TECHNICAL SERVICE BULLETIN

## ENGINE SUB ASSEMBLY

SUBJECT:

## INSPECTION/REPLACEMENT (WTY039)

## NOTICE

**This bulletin has been revised to include additional information. New/revised sections of this bulletin are indicated by a black bar in the margin area.**

This bulletin provides information associated with the 'Warranty Extension Program' (WTY039) to diagnose a coolant leak from the cylinder head gasket area and, if necessary, replace the engine sub assembly on vehicles listed below.

| Model                                              | Production Date Range                  |
|----------------------------------------------------|----------------------------------------|
| 2014 - 2015MY Sorento (XMa) 3.3L GDI Lambda II     | December 17, 2012 to December 11, 2014 |
| 2014 - 2017MY Cadenza (VG & YG) 3.3L GDI Lambda II | February 1, 2013 to July 12, 2017      |
| 2015 - 2016MY Sedona (YP) 3.3L GDI Lambda II       | July 21, 2014 to March 17, 2016        |

Under certain severe operating conditions and over time, the engine in the subject vehicles may develop a coolant leak from the cylinder head gasket area. If the vehicle continues to be driven in the unrepaired condition, the engine may overheat and become further damaged. The customer may experience an engine concern including, but not limited to, a coolant leak, coolant smell, and/or engine temperature indicator near the "H" mark on the instrument cluster. The warranty coverage for repairs related to the cylinder head gasket will be extended from 5 years / 60,000 miles to 15 years / 180,000 miles, whichever comes first, starting from the date the vehicle was first put into service. Follow the procedure outlined in this publication to diagnose a coolant leak from the cylinder head gasket area, and, if necessary, replace the engine sub assembly on the applicable vehicle.

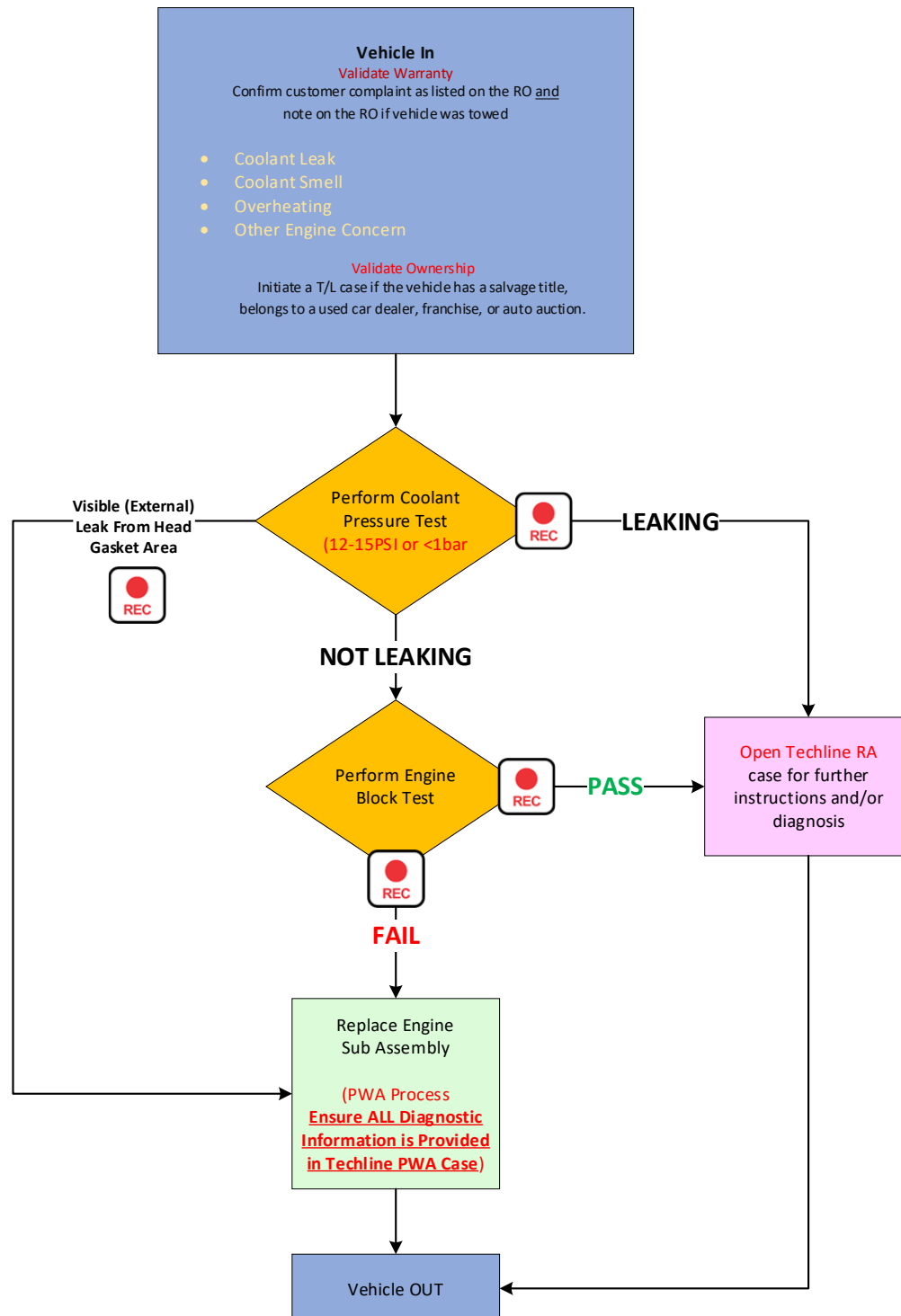
## NOTICE

**A Technical Service Bulletin is a field fix repair program without customer notification that may be performed during the warranty period. Any dealer requesting to perform this repair outside the warranty period will require DPSM approval.**

## Flowchart:

**❗ IMPORTANT**

Certain limitations may apply to this Warranty Extension coverage. Refer to **Warranty Bulletin 2404** for more details. Before starting inspection/repairs related to this publication, vehicle ownership needs to be verified by completing the [Ownership Validation Form](#).



SUBJECT:

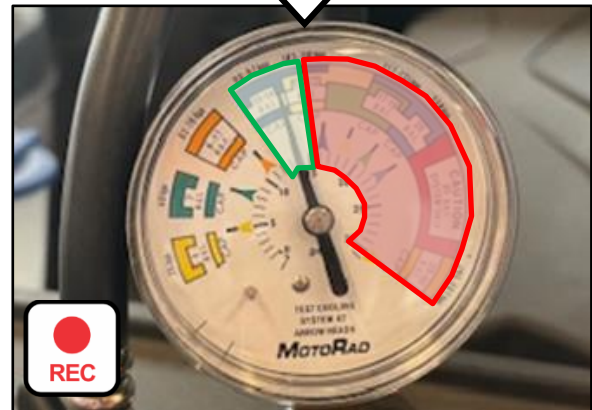
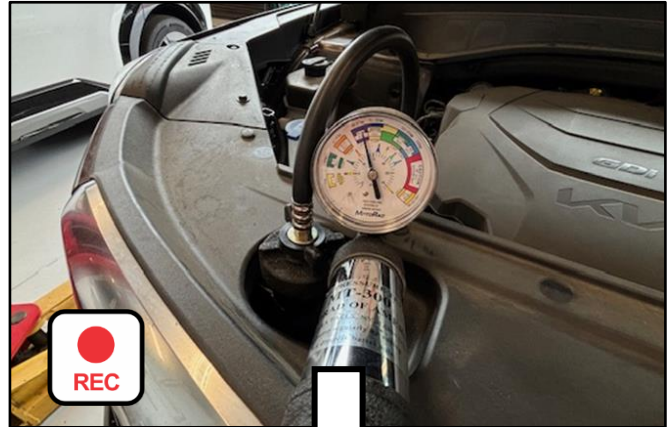
**ENGINE SUB ASSEMBLY INSPECTION/REPLACEMENT (WTY039)****Inspection Procedure:**

1. Confirm the vehicle is exhibiting one (1) or more of the following symptoms/concerns:

- Coolant leak
- Coolant smell
- Overheating
- Other engine concern

2. Perform Coolant Pressure Test.

- If coolant pressure is lost (leak confirmed), record a video starting from the VIN label and open a Techline RA case for further diagnosis and instructions or replace the engine (page 4) for a visible head gasket leak.
- If NO coolant pressure is lost (NOT leaking), proceed to step 3.

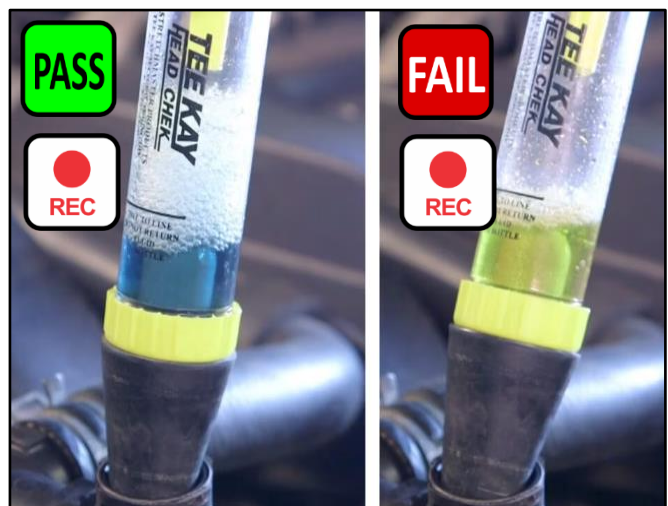
**CAUTION**

Coolant system must be pressurized between 12-15PSI (less than 1bar).

**DO NOT** exceed 15PSI or 1bar. Excessive pressure in the coolant system can cause damage.

3. Perform Engine Block Test.

- If engine **fails** block test, record a video starting from the VIN label and proceed to 'Replacement Procedure' on page 4.
- If engine **passes** block test, record a video starting from the VIN label and open a Techline RA case for further diagnosis and instructions.



## Replacement Procedure:

1. Replace the engine sub assembly (A) by referring to "Engine and Transaxle Assembly → Engine And Transaxle Assembly → Repair procedures" in the applicable Shop Manual on KGIS.

### NOTICE

During engine disassembly, **DO NOT separate the injectors from the fuel delivery pipe components during removal.** Transfer the assembled fuel system components from the old engine to the new engine sub-assembly.

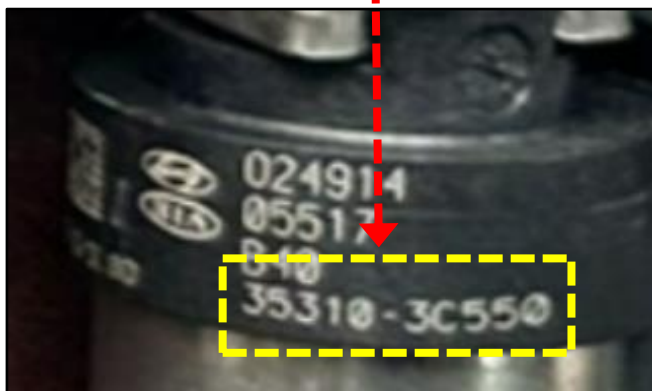
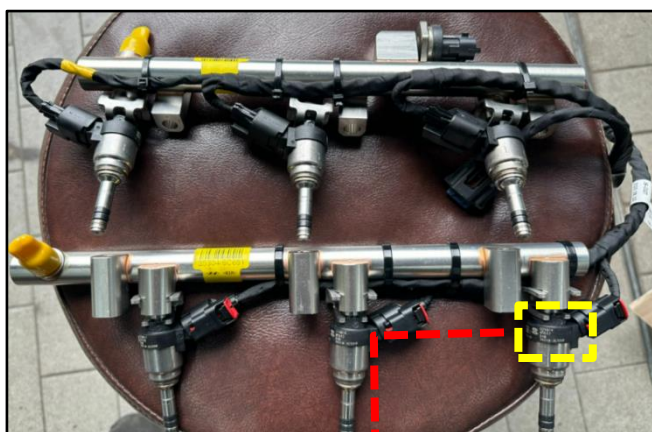
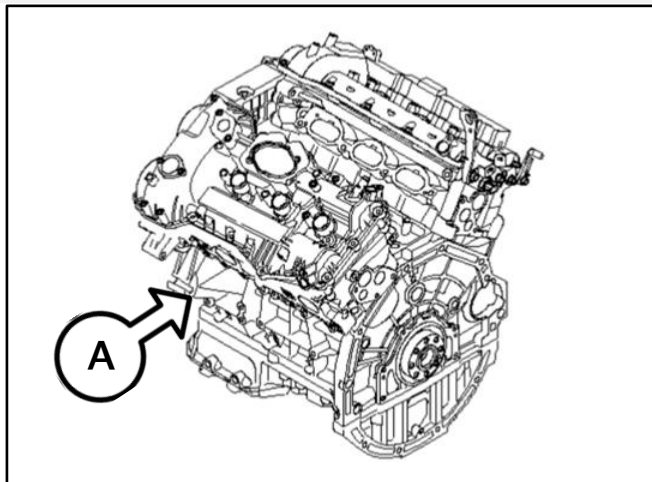
### IMPORTANT

When replacing the injector seals, refer to the table below to match the correct injector tip seal to the applicable part number (PN) printed on the injector outer case area show.

### Two (2) Types of Seals:

| OE Injector PN             | Required Injector Tip Seal PN |
|----------------------------|-------------------------------|
| 35310 3C550<br>35310 3C570 | 35312 3C720                   |
| 35310 3C560<br>35310 3C580 | 35312 3C730                   |

**Note:** Only order the Injector Seal PN needed for the applicable vehicle.



2. Reinstall all removed parts in reverse order of removal.
3. Confirm normal vehicle operation.

SUBJECT:

**ENGINE SUB ASSEMBLY INSPECTION/REPLACEMENT (WTY039)****AFFECTED VEHICLE RANGE:**

| Model             | Production Date Range                  |
|-------------------|----------------------------------------|
| Sorento (XMa)     | December 17, 2012 to December 11, 2014 |
| Cadenza (VG & YG) | February 1, 2013 to July 12, 2017      |
| Sedona (YP)       | July 21, 2014 to March 17, 2016        |

**REQUIRED TOOL:**

| Tool Name                            | Part Number | Figure                                                                              | Comments        |
|--------------------------------------|-------------|-------------------------------------------------------------------------------------|-----------------|
| Coolant Pressure Test Kit            | N/A         |   | Locally Sourced |
| Head Gasket Combustion Leak Test Kit | N/A         |  |                 |

SUBJECT:

## ENGINE SUB ASSEMBLY INSPECTION/REPLACEMENT (WTY039)

## REQUIRED PART:

| Model | Part Name                  | Part Number    | Figure                                                                             | Qty. | Comments                                                                                                                                             |
|-------|----------------------------|----------------|------------------------------------------------------------------------------------|------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| XMa   | Engine Sub Assembly        | 125S1 3CS00QQK |  | 1    | FWD                                                                                                                                                  |
|       | Engine Sub Assembly        | 127S1 3CS00QQK |                                                                                    | 1    | 4WD                                                                                                                                                  |
|       | Service Kit                | TBD            | N/A                                                                                | -    | <b>Dealers<br/>MUST<br/>order the<br/>Individual<br/>Parts<br/>until the<br/>new kits<br/>are<br/>assembled<br/>and<br/>available<br/>for order.</b> |
|       | • Exhaust Manifold Gasket  | 28521 3C702    |                                                                                    | 1    |                                                                                                                                                      |
|       | • Exhaust Manifold Gasket  | 28521 3C712    |                                                                                    | 1    |                                                                                                                                                      |
|       | • Exhaust Pipe Gasket      | 28751 2B550    |                                                                                    | 2    |                                                                                                                                                      |
|       | • Exhaust Pipe Gasket      | 28751 3S100    |                                                                                    | 1    |                                                                                                                                                      |
|       | • Inlet Manifold Gasket    | 28215 3CFA0    |                                                                                    | 6    |                                                                                                                                                      |
|       | • Surge Tank Gasket        | 29215 3CFA1    |                                                                                    | 1    |                                                                                                                                                      |
|       | • HPFP Pipe Assy           | 35305 3C104    |                                                                                    | 1    |                                                                                                                                                      |
|       | • Injector Tip Seal        | 35312 3C720*   |                                                                                    | 12   |                                                                                                                                                      |
|       | • Injector Tip Seal        | 35312 3C730*   |                                                                                    | 12   |                                                                                                                                                      |
|       | • Injector Washer Bracket  | 35313 3C200    |                                                                                    | 1    |                                                                                                                                                      |
|       | • Steering Shaft Bolt      | 56415 1M000    |                                                                                    | 8    |                                                                                                                                                      |
|       | • Drive Plate Bolts        | 23311 35050    |                                                                                    | 6    |                                                                                                                                                      |
|       | • Torque Converter Bolts   | 42121 21720    |                                                                                    | 2    |                                                                                                                                                      |
|       | • FRT Drive Shaft Nuts     | 49551 3X000    |                                                                                    | 1    |                                                                                                                                                      |
|       | • Roll Rod Bolt            | 21920 2T000    |                                                                                    | 2    |                                                                                                                                                      |
|       | • Tie Rod End Nut          | 13134 10007K   |                                                                                    | 2    |                                                                                                                                                      |
|       | • Snap Pin                 | 57799 4D200    |                                                                                    | 2    |                                                                                                                                                      |
|       | • HPFP Bolts               | 11405 06206K   |                                                                                    | 3    |                                                                                                                                                      |
|       | • Flange Nut               | 13387 12007K   |                                                                                    | 2    |                                                                                                                                                      |
|       | • Coolant O-Ring           | 25462 35504    |                                                                                    | 1    |                                                                                                                                                      |
|       | • Thermostat Gasket        | 25652 3CAA0    |                                                                                    | 1    |                                                                                                                                                      |
|       | • Thermostat Gasket        | 25651 3CAA0    |                                                                                    | 1    |                                                                                                                                                      |
|       | • Oil level gauge O-ring   | 26614 2B000    |                                                                                    | 1    |                                                                                                                                                      |
|       | Propeller Shaft Bolt (FRT) | 11647 10256K   |                                                                                    | 4    | AWD <u>Only</u>                                                                                                                                      |
|       | Propeller Shaft Bolt (RR)  | 49129 C5200    |                                                                                    | 3    |                                                                                                                                                      |
|       | Engine Oil                 | NPNENG5W30     |                                                                                    | 6    | Quart                                                                                                                                                |
|       | Coolant                    | UM022 CH271    |                                                                                    | 1    | Gallon                                                                                                                                               |

**Note:** The replacement QKQ part numbers will require a VIN entry for parts ordering. **DO NOT** order these parts for stocking purposes, related to this TSB. Supply is very limited. Until supply stabilizes, please confirm part availability before scheduling customers. Please be sure to expedite warranty claim filing. **\*Only order/use the applicable Injector Tip Seal by referring to the table on page 4.**

SUBJECT:

## ENGINE SUB ASSEMBLY INSPECTION/REPLACEMENT (WTY039)

| Model | Part Name                 | Part Number    | Figure                                                                             | Qty. | Comments                                                                                                                              |
|-------|---------------------------|----------------|------------------------------------------------------------------------------------|------|---------------------------------------------------------------------------------------------------------------------------------------|
| VG    | Engine Sub Assembly       | 123S1 3CS00QQK |  | 1    | N/A                                                                                                                                   |
|       | Service Kit               | TBD            | N/A                                                                                | -    | <b>Dealers</b><br><b>MUST order the Individual Parts</b><br><u>until</u> the new kits<br>are assembled<br>and available<br>for order. |
|       | • Exhaust Manifold Gasket | 28521 3C702    |                                                                                    | 1    |                                                                                                                                       |
|       | • Exhaust Manifold Gasket | 28521 3C712    |                                                                                    | 1    |                                                                                                                                       |
|       | • Exhaust Pipe Gasket     | 28751 2B100    |                                                                                    | 2    |                                                                                                                                       |
|       | • Exhaust Pipe Gasket     | 28751 2T100    |                                                                                    | 1    |                                                                                                                                       |
|       | • Inlet Manifold Gasket   | 28215 3CFA0    |                                                                                    | 6    |                                                                                                                                       |
|       | • Surge Tank Gasket       | 29215 3CFA1    |                                                                                    | 1    |                                                                                                                                       |
|       | • HPFP Pipe Assy          | 35305 3C104    |                                                                                    | 1    |                                                                                                                                       |
|       | • Injector Tip Seal       | 35312 3C720*   |                                                                                    | 12   |                                                                                                                                       |
|       | • Injector Tip Seal       | 35312 3C730*   |                                                                                    | 12   |                                                                                                                                       |
|       | • Injector Washer Bracket | 35313 3C200    |                                                                                    | 6    |                                                                                                                                       |
|       | • Steering Shaft bolt     | 56415 3Q000    |                                                                                    | 1    |                                                                                                                                       |
|       | • Drive Plate Bolts       | 23311 35050    |                                                                                    | 8    |                                                                                                                                       |
|       | • Torque Converter Bolts  | 42121 21720    |                                                                                    | 6    |                                                                                                                                       |
|       | • FRT Drive Shaft Nuts    | 49551 3X000    |                                                                                    | 2    |                                                                                                                                       |
|       | • Roll Rod Bolt           | 21991 3R000    |                                                                                    | 1    |                                                                                                                                       |
|       | • Tie Rod End Nut         | 10225 10007K   |                                                                                    | 2    |                                                                                                                                       |
|       | • Snap Pin                | 43777 37710    |                                                                                    | 2    |                                                                                                                                       |
|       | • HPFP Bolts              | 11405 06206K   |                                                                                    | 2    |                                                                                                                                       |
|       | • Flange Nut              | 13387 12007K   |                                                                                    | 3    |                                                                                                                                       |
|       | • Coolant O-Ring          | 25462 35504    |                                                                                    | 2    |                                                                                                                                       |
|       | • Thermostat Gasket       | 25652 3CAA0    |                                                                                    | 1    |                                                                                                                                       |
|       | • Thermostat Gasket       | 25651 3CAA0    |                                                                                    | 1    |                                                                                                                                       |
|       | • Oil level gauge O-ring  | 26614 2B000    |                                                                                    | 1    |                                                                                                                                       |
|       | Engine Oil                | NPNENG5W30     |                                                                                    | 6    | Quart                                                                                                                                 |
|       | Coolant                   | UM022 CH271    |                                                                                    | 1    | Gallon                                                                                                                                |

**Note:** The replacement QQQ part numbers will require a VIN entry for parts ordering. **DO NOT** order these parts for stocking purposes, related to this TSB. Supply is very limited. Until supply stabilizes, please confirm part availability before scheduling customers. Please be sure to expedite warranty claim filing. **\*Only order/use the applicable Injector Tip Seal by referring to the table on page 4.**

SUBJECT:

## ENGINE SUB ASSEMBLY INSPECTION/REPLACEMENT (WTY039)

| Model | Part Name                   | Part Number    | Figure                                                                             | Qty. | Comments                                                                                                                              |
|-------|-----------------------------|----------------|------------------------------------------------------------------------------------|------|---------------------------------------------------------------------------------------------------------------------------------------|
| YG    | Engine Sub Assembly         | 147S1 3LS00QQK |  | 1    | N/A                                                                                                                                   |
|       | Service Kit                 | TBD            | N/A                                                                                | -    | <b>Dealers</b><br><b>MUST order the Individual Parts</b><br><u>until</u> the new kits<br>are assembled<br>and available<br>for order. |
|       | • Exhaust Manifold Gasket   | 28521 3C702    |                                                                                    | 1    |                                                                                                                                       |
|       | • Exhaust Manifold Gasket   | 28521 3C712    |                                                                                    | 1    |                                                                                                                                       |
|       | • Exhaust Pipe Gasket       | 28751 C5100    |                                                                                    | 2    |                                                                                                                                       |
|       | • Exhaust Pipe Gasket       | 28751 2T100    |                                                                                    | 1    |                                                                                                                                       |
|       | • Inlet Manifold Gasket     | 28215 3CFA0    |                                                                                    | 6    |                                                                                                                                       |
|       | • Surge Tank Gasket         | 29215 3CFA1    |                                                                                    | 1    |                                                                                                                                       |
|       | • HPFP Pipe Assy            | 35305 3L110    |                                                                                    | 1    |                                                                                                                                       |
|       | • HP Fuel Pipe Assy-Cross   | 35307 3L000    |                                                                                    | 1    |                                                                                                                                       |
|       | • Injector Tip Seal         | 35312 2E613    |                                                                                    | 12   |                                                                                                                                       |
|       | • Injector Washer Bracket   | 35313 3L000    |                                                                                    | 6    |                                                                                                                                       |
|       | • Drive Plate Bolts         | 23311 35050    |                                                                                    | 8    |                                                                                                                                       |
|       | • Torque Converter Bolts    | 42121 21720    |                                                                                    | 6    |                                                                                                                                       |
|       | • FRT Drive Shaft Nuts      | 49551 3X000    |                                                                                    | 2    |                                                                                                                                       |
|       | • Roll Rod Bolt             | 21991 3R000    |                                                                                    | 1    |                                                                                                                                       |
|       | • Tie Rod End Nut           | 51768 3M000    |                                                                                    | 2    |                                                                                                                                       |
|       | • Snap Pin                  | 57799 4D200    |                                                                                    | 2    |                                                                                                                                       |
|       | • Steering Shaft Bolt       | 56415 1M000    |                                                                                    | 1    |                                                                                                                                       |
|       | • HPFP Bolts                | 11405 06206K   |                                                                                    | 2    |                                                                                                                                       |
|       | • Flange Nut                | 51759 F6000    |                                                                                    | 3    |                                                                                                                                       |
|       | • Cross-over Coolant O-Ring | 25462 35504    |                                                                                    | 2    |                                                                                                                                       |
|       | • Thermostat Gasket         | 25614 3L100    |                                                                                    | 1    |                                                                                                                                       |
|       | • Thermostat Gasket         | 25614 3L150    |                                                                                    | 1    |                                                                                                                                       |
|       | • Oil level gauge O-ring    | 26614 2B000    |                                                                                    | 1    |                                                                                                                                       |
|       | Engine Oil                  | NPNENG5W30     |                                                                                    | 6    | Quart                                                                                                                                 |
|       | Coolant                     | UM022 CH271    |                                                                                    | 1    | Gallon                                                                                                                                |

**Note:** The replacement QKQ part numbers will require a VIN entry for parts ordering. **DO NOT order these parts for stocking purposes, related to this TSB.** Supply is very limited. Until supply stabilizes, please confirm part availability before scheduling customers. Please be sure to expedite warranty claim filing. **\*Only order/use the applicable Injector Tip Seal by referring to the table on page 4.**

SUBJECT:

## ENGINE SUB ASSEMBLY INSPECTION/REPLACEMENT (WTYO39)

| Model | Part Name                   | Part Number    | Figure                                                                             | Qty. | Comments                                                                                                                              |
|-------|-----------------------------|----------------|------------------------------------------------------------------------------------|------|---------------------------------------------------------------------------------------------------------------------------------------|
| YP    | Engine Sub Assembly         | 128S1 3CS00QQK |  | 1    | N/A                                                                                                                                   |
|       | Service Kit                 | TBD            | N/A                                                                                | -    | <b>Dealers</b><br><b>MUST order the Individual Parts</b><br><u>until</u> the new kits<br>are assembled<br>and available<br>for order. |
|       | • Exhaust Manifold Gasket   | 28521 3C702    |                                                                                    | 1    |                                                                                                                                       |
|       | • Exhaust Manifold Gasket   | 28521 3C712    |                                                                                    | 1    |                                                                                                                                       |
|       | • Exhaust Pipe Gasket       | 28751 3S100    |                                                                                    | 3    |                                                                                                                                       |
|       | • Inlet Manifold Gasket     | 28215 3CFA0    |                                                                                    | 6    |                                                                                                                                       |
|       | • Surge Tank Gasket         | 29215 3CFA1    |                                                                                    | 1    |                                                                                                                                       |
|       | • HPFP Pipe Assy            | 35305 3C104    |                                                                                    | 1    |                                                                                                                                       |
|       | • Injector Tip Seal         | 35312 3C720*   |                                                                                    | 12   |                                                                                                                                       |
|       | • Injector Tip Seal         | 35312 3C730*   |                                                                                    | 12   |                                                                                                                                       |
|       | • Injector Washer Bracket   | 35313 3C200    |                                                                                    | 6    |                                                                                                                                       |
|       | • Steering Shaft Bolt       | 56415 1M000    |                                                                                    | 1    |                                                                                                                                       |
|       | • Drive Plate Bolts         | 23311 35050    |                                                                                    | 8    |                                                                                                                                       |
|       | • Torque Converter Bolts    | 42121 21720    |                                                                                    | 6    |                                                                                                                                       |
|       | • FRT Drive Shaft Nuts      | 49551 4T000    |                                                                                    | 2    |                                                                                                                                       |
|       | • Roll Rod Bolt             | 21920 2T000    |                                                                                    | 1    |                                                                                                                                       |
|       | • Tie Rod End Nut           | 13146 12007K   |                                                                                    | 2    |                                                                                                                                       |
|       | • Snap Pin                  | 57799 4D200    |                                                                                    | 2    |                                                                                                                                       |
|       | • HPFP Bolts                | 11405 06206K   |                                                                                    | 2    |                                                                                                                                       |
|       | • Flange Nut                | 13387 12007K   |                                                                                    | 3    |                                                                                                                                       |
|       | • Cross-over Coolant O-Ring | 25462 35504    |                                                                                    | 2    |                                                                                                                                       |
|       | • Thermostat Gasket         | 25652 3CAA0    |                                                                                    | 1    |                                                                                                                                       |
|       | • Thermostat Gasket         | 25651 3CAA0    |                                                                                    | 1    |                                                                                                                                       |
|       | • Oil level gauge O-ring    | 26614 2B000    |                                                                                    | 1    |                                                                                                                                       |
|       | Engine Oil                  | NPENG5W30      |                                                                                    | 6    | Quart                                                                                                                                 |
|       | Coolant                     | UM022 CH271    |                                                                                    | 1    | Gallon                                                                                                                                |

**Note:** The replacement QQK part numbers will require a VIN entry for parts ordering. **DO NOT order these parts for stocking purposes, related to this TSB.** Supply is very limited. Until supply stabilizes, please confirm part availability before scheduling customers. Please be sure to expedite warranty claim filing. **\*Only order/use the applicable Injector Tip Seal by referring to the table on page 4.**

SUBJECT:

## ENGINE SUB ASSEMBLY INSPECTION/REPLACEMENT (WTY039)

## WARRANTY INFORMATION:

N Code: L31 C Code: ZZ1

| Model | Claim Type | Causal P/N  | Qty. | Repair Description                                               | Labor Op Code | Op Time | Replacement P/N                   | Qty. |
|-------|------------|-------------|------|------------------------------------------------------------------|---------------|---------|-----------------------------------|------|
| XMa   | W          | 22311 3CGAO | 0    | Engine Inspection (Pass)                                         | 242A16I1      | 0.7 M/H | N/A                               | 0    |
|       |            |             |      | Engine Inspection (Fail) + Engine Sub-Assembly Replacement (FWD) | 242A16R2      | 8.7 M/H | 125S1 3CS00QQK                    | 1    |
|       |            |             |      |                                                                  |               |         | Refer to Page 6 Service Kit Parts |      |
|       |            |             |      |                                                                  |               |         | NPNENG5W30                        | 6    |
|       |            |             |      |                                                                  |               |         | UM022 CH271                       | 1    |
|       |            |             |      | Engine Inspection (Fail) + Engine Sub-Assembly Replacement (AWD) | 242A16R3      | 9.1 M/H | 127S1 3CS00QQK                    | 1    |
|       |            |             |      |                                                                  |               |         | Refer to Page 6 Service Kit Parts |      |
|       |            |             |      |                                                                  |               |         | 11647 10256K                      | 4    |
|       |            |             |      |                                                                  |               |         | 49129 C5200                       | 3    |
|       |            |             |      |                                                                  |               |         | NPNENG5W30                        | 6    |
|       |            |             |      |                                                                  |               |         | UM022 CH271                       | 1    |
| YP    |            | 22311 3CGAO | 0    | Engine Inspection (Pass)                                         | 242090R0      | 0.7 M/H | N/A                               | 0    |
|       |            |             |      | Engine Inspection (Fail) + Engine Sub-Assembly Replacement       | 242090R2      | 9.9 M/H | 128S1 3CS00QQK                    | 1    |
|       |            |             |      |                                                                  |               |         | Refer to Page 9 Service Kit Parts |      |
|       |            |             |      |                                                                  |               |         | NPNENG5W30                        | 6    |
|       |            |             |      |                                                                  |               |         | UM022 CH271                       | 1    |

**Note:** Use sublet code 'X1' with a maximum allowed amount of \$1.30 per vehicle for locally sourced Block-Tester Combustion Leak Detector Fluid. Refer to [Warranty Extension Bulletin 2404](#) for claim submission instructions.



SUBJECT:

**ENGINE SUB ASSEMBLY INSPECTION/REPLACEMENT (WTY039)**

| Model | Claim Type | Causal P/N     | Qty. | Repair Description                                                      | Labor Op Code | Op Time    | Replacement P/N                      | Qty. |
|-------|------------|----------------|------|-------------------------------------------------------------------------|---------------|------------|--------------------------------------|------|
| VG    | W          | 22311<br>3CGAO | 0    | Engine Inspection<br>(Pass)                                             | 242090R0      | 0.7<br>M/H | N/A                                  | 0    |
|       |            |                |      | Engine<br>Inspection (Fail) +<br>Engine Sub-<br>Assembly<br>Replacement | 242090R3      | 8.7<br>M/H | 123S1 3CS00QQK                       | 1    |
|       |            |                |      |                                                                         |               |            | Refer to Page 7<br>Service Kit Parts |      |
|       |            |                |      |                                                                         |               |            | NPNENG5W30                           | 6    |
|       |            |                |      |                                                                         |               |            | UM022 CH271                          | 1    |
| YG    | W          | 22110<br>3L210 | 0    | Engine Inspection<br>(Pass)                                             | 242090R1      | 0.7<br>M/H | N/A                                  | 0    |
|       |            |                |      | Engine<br>Inspection (Fail) +<br>Engine Sub-<br>Assembly<br>Replacement | 242090R4      | 9.1<br>M/H | 147S1<br>3LS00QQK                    | 1    |
|       |            |                |      |                                                                         |               |            | Refer to Page 8<br>Service Kit Parts |      |
|       |            |                |      |                                                                         |               |            | NPNENG5W30                           | 6    |
|       |            |                |      |                                                                         |               |            | UM022 CH271                          | 1    |

**Note:** Use sublet code 'X1' with a maximum allowed amount of \$1.30 per vehicle for locally sourced Block-Tester Combustion Leak Detector Fluid. Refer to [Warranty Extension Bulletin 2404](#) for claim submission instructions.

