

	GROUP ENG	MODEL All Models
	NUMBER 190	DATE September 2018
TECHNICAL SERVICE BULLETIN		
SUBJECT: ENGINE REPLACEMENT PRACTICES REMINDER		

This bulletin provides information regarding engine replacement practices. If performed improperly, incomplete or without necessary verification or Quality Control measures, engine short/long block replacements and related repair procedures can result in customer dissatisfaction, comebacks, and/or secondary engine or component failures. Additionally, poor engine replacement practices can result in roadside breakdowns, engine and/or vehicle damage, up to and including total loss, whether from mechanical failure or, in extreme cases, from vehicle fires resulting from insufficient workmanship. Some potential causes of the above can include but are not limited to:

- Missing fasteners, no or insufficient torque applied to fasteners
- Not replacing the necessary seals and/or O-rings
- Insufficient engine oil or incorrect type/grade of oil used for engine refill
- Failure to discard and replace “one-time use only” components (example: high pressure fuel lines and related hardware etc.)
- Failure to replace intake manifold after a “catastrophic” engine failure
- Not checking for fluid leaks (engine oil, coolant, AT fluid or gasoline) before and after road test
- No, or insufficient distance, test driving
- Failure to install or incorrect installation of transferable components
- Incorrect valve clearance adjustments
- Improper timing belt and/or tensioner installation/adjustment
- Damaging sensors, lines or wire harnesses during installation/removal of engine by forcing or bending parts, fuel lines, or assemblies out of the way

For specific details about the procedures involved in Engine R&Rs, refer to model specific information on KGIS and to the following publications:

[ENG042](#) – Kia Remanufactured Engine Program

[ENG083](#) – Special Service Information & Specifications for GDI High Pressure Fuel System

[ENG084](#) – Engine Oil Pump Replacement Guidelines During Short Block Replacement

[PS539](#) – Engine Component Reuse Guidelines



WARNING

Refer to TSB [ENG083](#) for gasoline direct injection (GDI) specific information, including related warnings and cautions for handling high fuel pressure system components.

File Under: <Engine>

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