

Engine - Overview

Engine Information

NOTE: When repairing engines, all parts must be contamination free. If contamination/foreign material is present when repairing an engine, premature engine failure may occur.

NOTE: Specifications show the expected minimum or maximum condition. Refer to the appropriate section in Group 303 for the specifications.

NOTE: If a component fails to meet the specifications, it is necessary to refinish it or install a new component. Wear limits are provided as an aid to determine if the component can be refinished. Install a new component when it fails to meet specifications and cannot be refinished.

NOTE: This section contains information, steps and procedures that are not engine specific.

This section covers general procedures and diagnosis and testing of the engine system. For exhaust emission control devices, refer to the PC/ED manual.

The engine incorporates the following features. Refer to the appropriate section in Group 303 for the procedure.

- Crankcase ventilation or breather system
- Exhaust emission control system
- EVAP

Some engines incorporate a fail-safe cooling system.

Refer to: Engine Cooling - System Operation and Component Description (303-03B Engine Cooling - 3.0L EcoBoost, Description and Operation).

The engine, fuel system, ignition system, emissions system and exhaust system all affect exhaust emission levels and must be maintained according to the maintenance schedule. Refer to the Scheduled Maintenance Guide.

Correct engine identification is required to order parts.

Refer to: Engine - Overview (303-01B Engine - 3.0L EcoBoost, Description and Operation).

For complete vehicle and engine identification codes,

Refer to: Identification Codes (100-01 Identification Codes, Description and Operation).