

Clutch Disc and Pressure Plate - 5.0L 32V Ti-VCT

Special Tool(s) / General Equipment

Clutch Alignment Tool

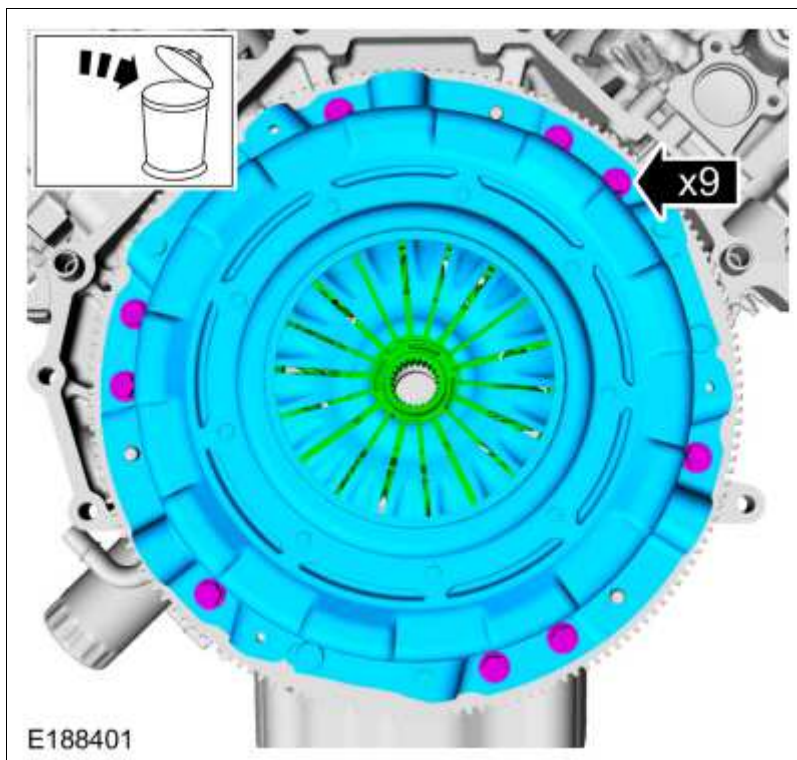
Removal

⚠ WARNING: Do not breathe dust or use compressed air to blow dust from storage containers or friction components. Remove dust using government-approved techniques. Friction component dust may be a cancer and lung disease hazard. Exposure to potentially hazardous components may occur if dusts are created during repair of friction components, such as brake pads and clutch discs. Exposure may also cause irritation to skin, eyes and respiratory tract, and may cause allergic reactions and/or may lead to other chronic health effects. If irritation persists, seek medical attention or advice. Failure to follow these instructions may result in serious personal injury.

1. Remove the transmission.
Refer to: [Transmission - 5.0L 32V Ti-VCT](#) (308-03A Manual Transmission - 6-Speed Manual Transmission - MT82, Removal).
2. **NOTICE:** If the parts are to be reused, index-mark the pressure plate to the flywheel. Failure to install the pressure plate to the flywheel in the original position may result in a clutch system vibration.

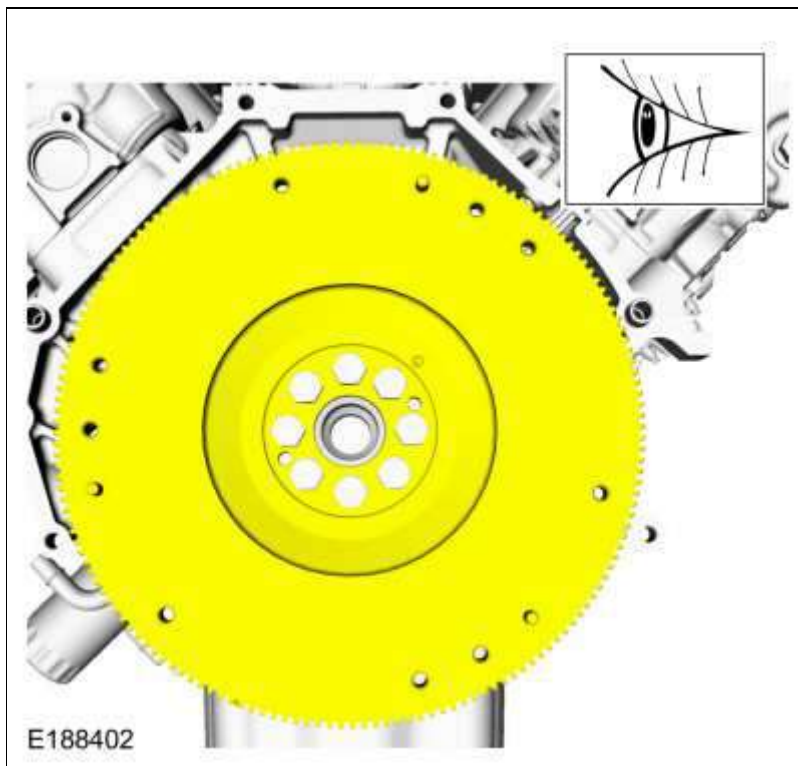
NOTICE: Loosen the bolts evenly to prevent clutch pressure plate damage.

Remove the pressure plate bolts by turning them 1 turn at a time in a star pattern until the clutch is fully released. Remove the pressure plate and the clutch disc. Discard the pressure plate bolts.



Installation

1. Inspect the flywheel for damage, burn marks or wear and install a new flywheel if necessary.



2. **NOTICE:** If installing a new pressure plate and/or flywheel, align the paint dot on the pressure plate as close as possible to the paint dot on the flywheel or a clutch system vibration can occur.

NOTICE: If installing the original pressure plate, align it using the index-marks made during removal or a clutch system vibration can occur.

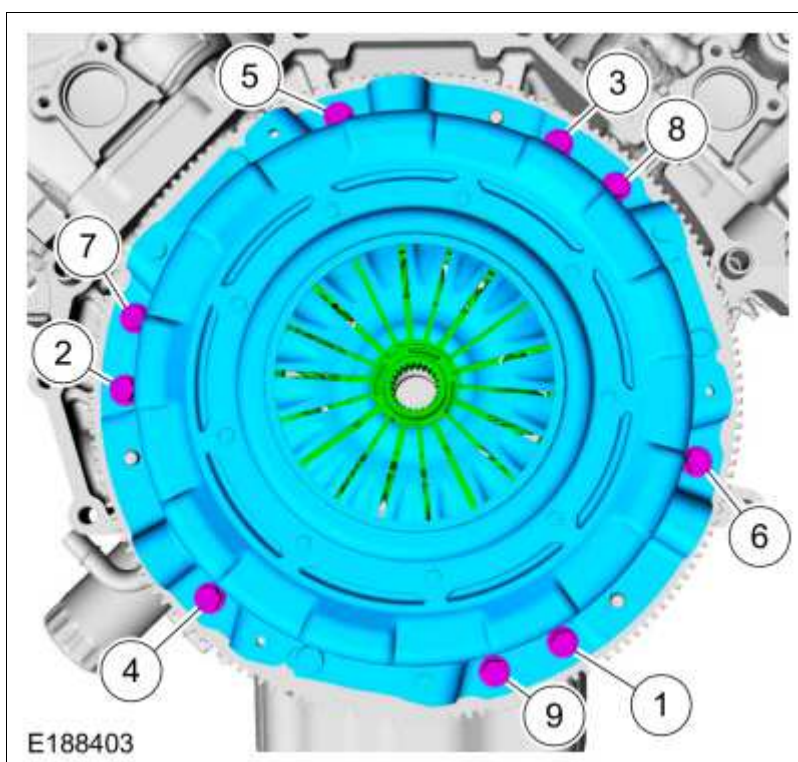
Using a clutch aligner, position the clutch disc on the flywheel. If installing the original pressure plate, align the pressure plate to the flywheel using the index-marks made during removal. If installing a new pressure plate, align the pressure plate to the flywheel using the paint dots. Install new pressure plate bolts by turning the bolts 1 turn at a time in a star pattern until the clutch is fully secured.

Use the General Equipment: Clutch Alignment Tool

Torque:

Stage 1: 46 lb.ft (63 Nm)

Stage 2: 60°



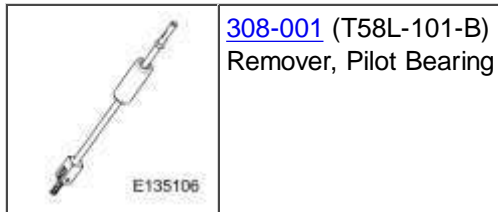
3. Install the transmission.

Refer to: [Transmission - 5.0L 32V Ti-VCT](#) (308-03A Manual Transmission - 6-Speed Manual Transmission - MT82, Installation).

4. After completing the repairs, use the scan tool to perform the Misfire Monitor Neutral Profile Correction procedure, following the on-screen instructions.

Pilot Bearing

Special Tool(s) / General Equipment



Removal

- NOTE:** The pilot bearing is not serviceable on vehicles equipped with a 5.2L engine. Install a new flywheel.

Remove the clutch disc and pressure plate.

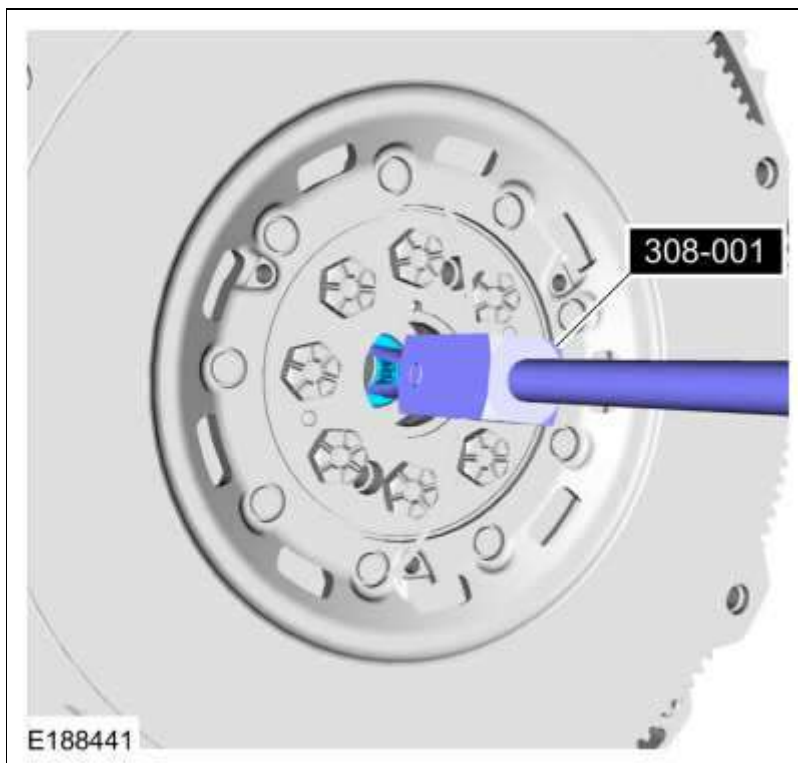
Refer to: [Clutch Disc and Pressure Plate - 2.3L EcoBoost \(201kW/273PS\)](#) (308-01 Clutch, Removal and Installation).

Refer to: [Clutch Disc and Pressure Plate - 3.7L Duratec \(227kW/301PS\)](#) (308-01 Clutch, Removal and Installation).

Refer to: [Clutch Disc and Pressure Plate - 5.0L 32V Ti-VCT](#) (308-01 Clutch, Removal and Installation).

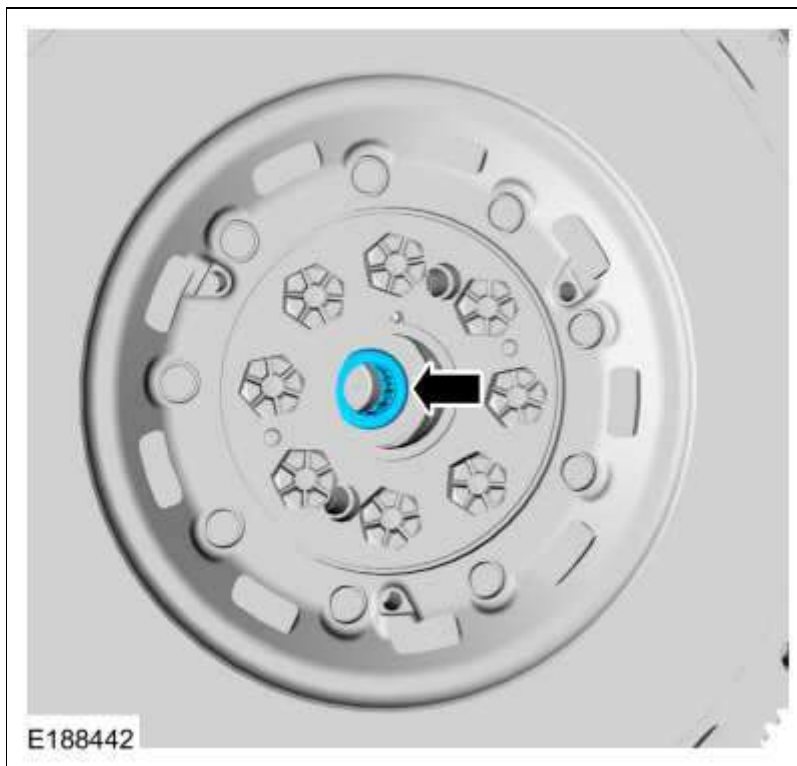
Refer to: [Flywheel](#) (303-01D Engine - 5.2L 32V Ti-VCT, Removal and Installation).

- Using the special tool, remove the pilot bearing.
Use Special Service Tool: [308-001 \(T58L-101-B\) Remover, Pilot Bearing](#).



Installation

- Position the pilot bearing in the crankshaft. Using a driver, install the pilot bearing.



2. Install the clutch disc and pressure plate.

Refer to: [Clutch Disc and Pressure Plate - 2.3L EcoBoost \(201kW/273PS\)](#) (308-01 Clutch, Removal and Installation).

Refer to: [Clutch Disc and Pressure Plate - 3.7L Duratec \(227kW/301PS\)](#) (308-01 Clutch, Removal and Installation).

Refer to: [Clutch Disc and Pressure Plate - 5.0L 32V Ti-VCT](#) (308-01 Clutch, Removal and Installation).

Refer to: [Flywheel](#) (303-01D Engine - 5.2L 32V Ti-VCT, Removal and Installation).