

FORD PERFORMANCE



January 15, 2025

Technical Service Bulletin – 23

Flywheel, Clutch, and Throw Out Bearing

Purpose: To replace the production-based clutch and flywheel system. The change will help to increase transmission durability and shift quality. This applies to vehicle serial numbers 1-40.

Original parts to be removed

- | | |
|--|--------------|
| • Flywheel | PR3Z-6477-A |
| • Flywheel Bolts | JR3Z-6379-A |
| • Throw Out Bearing (Fluid line will be reused on new bearing) | MR3Z-7A508-A |
| • Clutch Assembly | JR3Z-7B546-A |
| • Clutch Bolts | W717330-S439 |

New parts

- | | |
|--|---------------------------|
| • Flywheel | FP-6375-DHR |
| • Flywheel Bolts | Included with FP-6375-DHR |
| • Pressure Plate | FP-7563-DHR |
| • Pressure Plate Washers | Included with FP-6375-DHR |
| • Pressure Plate Nuts | Included with FP-6375-DHR |
| • Disc | FP-7550-DHR |
| • Throw Out Bearing | FP-7508-DHR |
| • Throw Out Bearing Compression Washer | Included with FP-7508-DHR |

Flywheel

Before installing flywheel, clean flywheel to crankshaft surfaces with brake cleaner or equivalent.



Flywheel Bolts

Use Red Locking Compound when installing bolts. Draw up the bolts evenly, $\frac{1}{4}$ turn at a time in a crisscross pattern until flywheel is seated on the crankshaft. Torque in three steps, 34 Nm, 68 Nm, and 96 Nm using the crisscross pattern.



Pressure Plate

Before installing pressure plate, clean flywheel and pressure plate faces with brake cleaner or equivalent.

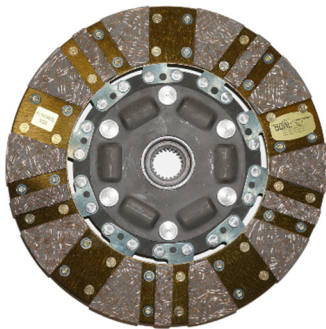


Pressure Plate Nuts & Washers

Use Blue Locking Compound when installing bolts. Draw up the bolts evenly, $\frac{1}{4}$ turn at a time in a crisscross pattern until pressure plate is seated on the flywheel. Torque to 48 Nm using the crisscross pattern.



Disc



Throw Out Bearing with Compression Washer & Disc Alignment Tool

Use compression washer when installing fluid line in throw out bearing. Torque bearing mount bolt to 11 Nm.



Compression Washer