

8.5" Metallic Clutch Discs

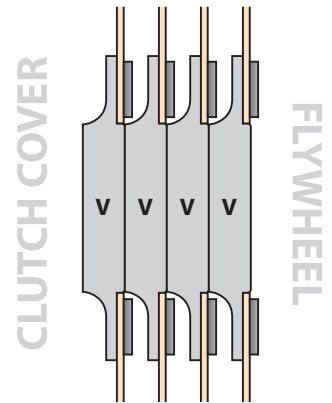
INSTALLATION

Install the plates and discs into the clutch (**Diagram A**) in the following manner:

Make sure to check the following:

- Hubs make full spline contact with input shaft
 - There is clearance between hubs (and rivets)
 - There is clearance between the bottom disc and flywheel bolts
1. Install pressure plate with fulcrum against diaphragm spring.
 2. Install disc #1 with TE logo on rivet heads towards the flywheel.
 3. Install floater plate (two, three or four disc only)
 4. Install disc #2 with TE logo on rivet heads towards the flywheel.
 5. Install floater plate (three or four disc only).
 6. Install disc #3 (A hub) with TE logo on rivet heads **away** from the flywheel.
 7. Install floater plate (four disc only).
 8. Install disc #4 with TE logo on rivet heads towards the flywheel.

Diagram A



MAINTENANCE

DISCS

Clutch discs start new at .182" thick. These should be replaced when the total pack wears .040". This means the individual disc thickness should not be less than: **Single disc = .142" | Two disc = .162" | Triple disc = .169" | Four disc = .172"**

Note: The friction material used on these discs is wear resistant. It will typically wear quickly for the first .002" of disc thickness, and then wear much slower after that.

PRESSURE PLATE AND FLOATERS

Check the plates periodically for warping. This warping is caused by heat put into the clutch from slipping. Check warping with a straightedge and feeler gauges. Maximum allowable warping is .008" in any plate. Be sure to align the balance marks when reinstalling the plates.

CAUTION: Never put new discs into a clutch that has a warped pressure plate or floater plates. There will not be full contact across the face of the discs and they will wear out quickly. On the same note, discs that were used in a clutch with a warped pressure plate or floater plates should never be used in a new clutch assembly.



Scan to watch a video on Tilton OT-Series Metallic Clutches: Inspecting Tilton Metallic Clutch for Maintenance or visit www.tiltonracing.com/technical/technical-videos/