sonnax®
PERFORMANCE

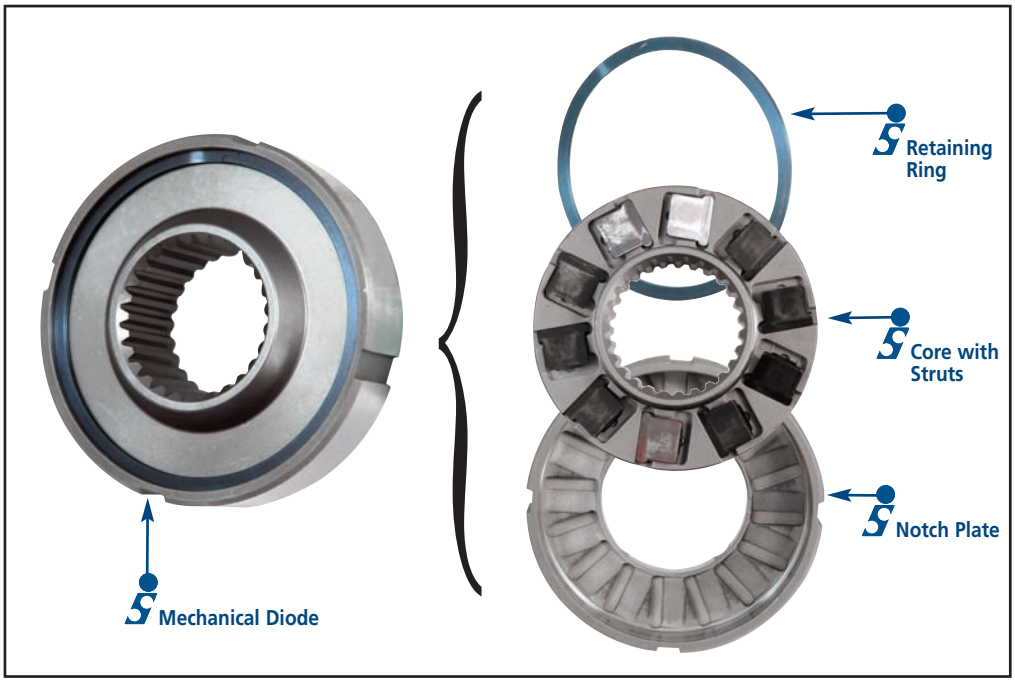
High Performance **CONVERTER** Parts

Announcement

32-TOOTH FORD SPLINE

Features & Benefits

- GM to Ford applications
- Two strut engagement, ten strut design
- Greater strength with weight and size reduction over friction actuated one-way clutches
- Dramatic reduction in radial stress over friction actuated one-way clutches
- No torsional windup
- Long overrun life



Ten Strut Mechanical Diode

Part No.
GMFD-MD-10S

1 Mechanical Diode

Note: Fits stators with 3.25" Bores

Part Summary:

The new Sonnax Mechanical Diode with two strut engagement, ten strut design offers much greater strength than existing roller clutches and "dog bone" style sprags. This design offers greatly increased reliability, especially where high torque, vibration, or high overrunning speeds decrease the effectiveness of wedging-type one-way clutches.

Positive engagement is achieved when the angled struts are automatically forced into a fully engaged position, eliminating torsional windup, minimizing engagement impact, and prolonging component life.

The design transfers force in a more direct fashion through planar strut arrangement and a shallow engagement angle, resulting in relatively small radial forces when compared to friction actuated one-way clutches.

A similar diode, GMFD-MD-1, is a one-strut engagement, five strut design.

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