

# Another Time & Cost Saving Problem Solver from **MICROSLEEVE™**



Recessed flywheel (Japanese) engines groove on the seal surface, and must be ground down and brought back to standard by installing a crankshaft seal surface sleeve. Cost can run from \$3.00 for grinding at a high production PER to \$15.00 for grinding at a machine shop. Recessed flywheel type engines **MUST** have standard diameter OD tail flanges for the flywheel to fit properly.

Micro Sleeve now has the MS346-F sleeve that fits all the different engines with standard 3.149" diameter tail flange/seal surface WITH NO GRINDING.

This "flanged" design seal surface sleeve is installed with three different depth installation cups **IN ONLY 10 SECONDS.**

Recessed flywheel engines that the MS346-F fits are produced by five automotive manufacturers (Chrysler, Honda, Mitsubishi, Mazda & Nissan). These crankshaft tail flanges require four different length crankshaft seal surface sleeves, and the undersize grinding process.

- Inventory 1 number instead of 4 numbers
- Usual machine cost is \$3 - \$15; with the MS346-F there's NO MACHINE COST

**SEE BACK FOR PRICING INFORMATION  
& ENGINE APPLICATION**

# The New **MICROSLEEVE™** MS346-F Will Repair All of These Engines:

Make and Engine Type	Reusable Installation Cup	Make and Engine Type	Reusable Installation Cup
<b>CHRYSLER</b> 2.6L RWD	MST350-F	<b>MAZDA</b> 2.0L MA	MST350-F
<b>HONDA</b> 1.5L D-15 1.6L D-16 & B16A3 1.8L ES1, ES2 & ET2 2.0L BS, BT, B20A3 & B20A5 2.0L B21A1 2.3L H23A1 early & late	MST336-F ↓	<b>MITSUBISHI</b> 1.6L 4G-61 1.6L G-32B 2.0L 4-G63 & G-63B 6 Bolt 2.4L G-64B & AG-64 2.6L G-54B	MST350-F ↓
<b>ACURA (HONDA)</b> 2.5L C-25A1 2.7L C-27-A1 3.0L C-30 & C-30-A1 3.2L C-32-A1	MST336-F ↓	<b>NISSAN</b> 1.5L E15 2.0L L-20, Z-20 2.4L KA24E & KA24DE 2.4L L-24 2.4L Z-24 2.6L L-26 2.8L L-28	MST353-F ↓

MS346-F Flanged Seal Surface Sleeve	Jobber Price	\$ 5.09 each
MST336-F Installation Cup (Honda)	Jobber Price	\$22.00 each
MST350-F Installation Cup (Chrysler, Mazda, Mitsubishi)	Jobber Price	\$22.00 each
MST353-F Installation Cup (Nissan)	Jobber Price	\$22.00 each

Note – the MST336-F, MST350-F and MST353-F are reusable and are standard in the MST301-IV Installation Tool Kit. This kit is equipped to install all other rear crankshaft seal surface sleeves.

*The Problem Solver*  
**MICROSLEEVE™**