



# Installation Instructions

## FLUIDAMPR 551231

**NOTE: FLUIDAMPR 551231 DOES NOT FIT ENGINE BASE EA113 APPLICATIONS. THESE APPLICATIONS USE A TIMING BELT AND REQUIRE FLUIDAMPR 551211.**

**NOTE: FACTORY HOLDING TOOL (T10355) REQUIRED AND PROFESSIONAL INSTALLATION RECOMMENDED.**

**NOTE: NEW CRANKSHAFT BOLT (WHT001760) REQUIRED EVERYTIME BOLT IS REMOVED.**

1. Remove underbelly tray (longitudinal mounted) and/or wheel well splash shield (transverse mounted.) Longitudinal models require fan control module removal; transverse models require turbo discharge pipe removal.
2. Note belt layout, orientation, and direction of travel, for reinstallation. Locate automatic tensioner and release tension using a 17mm wrench rotating downward. Remove belt from engine.
3. Using a 24mm socket on the crankshaft pulley, rotate damper **clockwise** until the TDC Mark on the damper OD lines up with the arrow on the lower timing chain cover (4 o'clock position).

**NOTE: Failure to set engine to TDC, or moving crankshaft while loosening or tightening crank bolt will result in engine damage.**

4. Use factory holding tool inserted into 4 equally spaced through holes to hold crankshaft from turning (FSM requires using special holding tool T10355).
5. Loosen crankshaft bolt using a 24mm socket and a long breaker bar. Note: torque required to loosen bolt will be quite high, a long breaker bar and proper holding tool are required.
6. Remove bolt and OEM damper from engine. Apply pressure on pulley towards engine when removing crankshaft bolt.
7. Apply a small amount of oil to the timing cover seal and O ring supplied with the new crankshaft bolt.
8. Align Fluidampr 551231 milled tooth pattern with timing gear tooth pattern and hold Fluidampr against timing gear. Make sure O ring is installed onto new bolt and hand tighten bolt.
9. Using crankshaft holding tool and torque wrench, torque new bolt to 111 ft-lbs. Then torque bolt an additional 90 degrees.
10. Reinstall belt according to factory belt routing and make sure the belt runs in the same direction.
11. Reinstall fan control module and underbelly tray on longitudinal models; reinstall turbo discharge pipe and splash shields on transverse models.

### Warranty

**WARRANTY:** All warranty claims must be made with your point of purchase. **LIMITED WARRANTY:** Fluidampr warranty extends to the original purchaser only and a copy of sales receipt must be provided. Keep your receipt. Fluidampr recommends to our customers that they have their Fluidampr products installed by a certified technician or engine builder as warranty does not cover installation errors. Fluidampr offers a 1 year warranty for defects in material and workmanship. Repair or replacement will be at Fluidampr's discretion. If purchased from Fluidampr: To obtain warranty service, call customer service to receive a return authorization number. Returns must include the RMA#, description of the problem and a copy of the purchase invoice/receipt. Returns without an RMA# will not be processed. Customers are responsible for freight charges to Fluidampr. If product is found to be faulty, Fluidampr will pay UPS Ground Freight when returning the product to customer. **THIS WARRANTY DOES NOT INCLUDE AND IS NOT LIMITED TO THE FOLLOWING:** • Failure due to improper installation or maintenance. Loss or injury incurred from use or operation of Horschel Motorsports products. • Misuse, abuse, modifications, or unauthorized repairs. • Removal or replacement cost. • Cost incurred due to downtime of vehicle. • Damage to other engine or vehicle components. • Normal wear and tear. • Use in racing applications or competitive purposes. Fluidampr limited warranty coverage is subject to change due to uncontrolled circumstances with or without notice.

Horschel Motorsports® • 180 Zoar Valley Rd • Springville, NY 14141 • PHONE 716-592-1000 • FAX 716-592-1001

• Website: [www.fluidampr.com](http://www.fluidampr.com) • E-mail: [support@fluidampr.com](mailto:support@fluidampr.com)

Printed in USA

P/N 4NFR02