

INSTRUCTIONS

LIGHTWEIGHT FLEXPATE

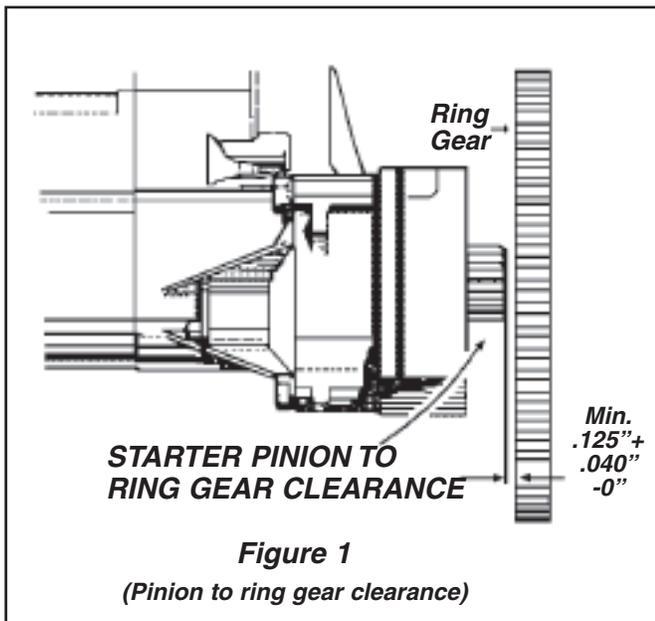
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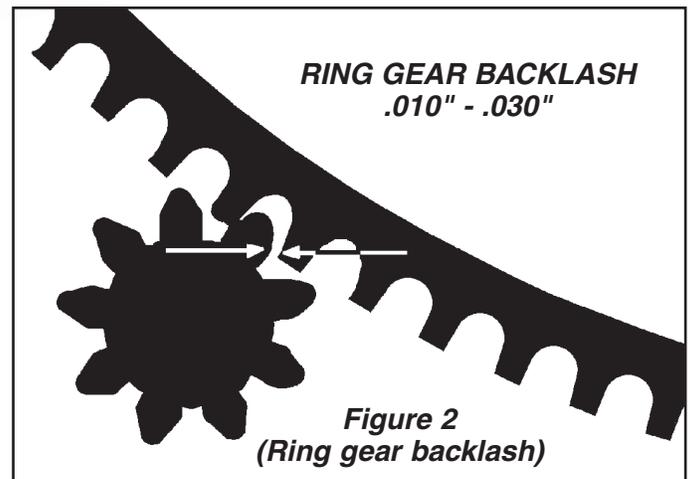
PLEASE READ INSTRUCTIONS BEFORE INSTALLING FLEXPATE

Lightweight Flexplates are designed to fit much like an OEM Flywheel. The relationship between the starter pinion and the ring gear is important for proper operation. Failure to install correctly will usually result in starter and/or ring gear damage. The Flexplate is tested to 12,500 RPM and will not fail when properly installed. It is also a very lightweight rotating component and should be regularly checked for proper clearances. Be sure to check the following items before attempting to start your engine:

- 1) The starter pinion-to-ring gear must be $.125'' + .040'' - 0''$ when pinion is in its relaxed position. (Fig. 1). Do not operate with less than $.125''$ clearance. Check this at several flexplate locations to be sure that the ring gear is running true. If the pinion is too close, use starter housing shims (if applicable) to move the starter pinion. Flexplate shims kits are available at many parts stores.



- 2) When the pinion is engaged into the ring gear, there is to be $.010'' - .030''$ backlash between them (Fig. 2). This can be checked with a wire gauge when holding the pinion into the ring gear with a screwdriver. If the fit is too tight on an engine-block-mounted starter, shim the nose from the block just as with a stock starter. Keep the starter pinion gear in contact with the flywheel, as deep into the gear as possible.



- 3) Running low ride heights on rough tracks or running over objects may also damage flywheels. Protect the flywheel whenever possible. Check flywheel on a regular basis for wear or damage. All flywheels, including flexplates, should always be operated inside an approved 270° scattershield.



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FAILURE TO ESTABLISH AND MAINTAIN THESE CLEARANCES WILL RESULT IN FLEXPATE FAILURE AND VOIDS ALL WARRANTIES

IMPORTANT

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