

POWROLL TECH

ADDITIONAL INFORMATION - TRX400EX AND XR400R HEAD GASKET FAILURE

Due to the cylinder and stud design on this model, some engines may experience more frequent headgasket failures.

The front studs (A) are located closely to the cylinder sleeve, which leaves very little gasket surface for this area.

Immaculate preparation and proper torque procedures must be followed any time a new head gasket is installed. Powroll recommends using new Honda studs. If excessive gasket leakage has occurred previously, the cylinder may need to be replaced, as oversized studs, Helicoil or other inserts may not seat in the old aluminum due to annealing.

To avoid these issues, start with cylinder in good condition (no pre-existing leaks), new studs, clean installation techniques, then follow Honda's torque specifications. **Most importantly, re-torque (B) after a few heat cycles!**

Honda Torque Specs:

- Cylinder head cover bolt -- 8 lbf-ft
- Cylinder head nut -- 33 lbf-ft
- Cylinder bolt -- 33 lbf-ft
- Cylinder stud bolt -- 33 lbf-ft

