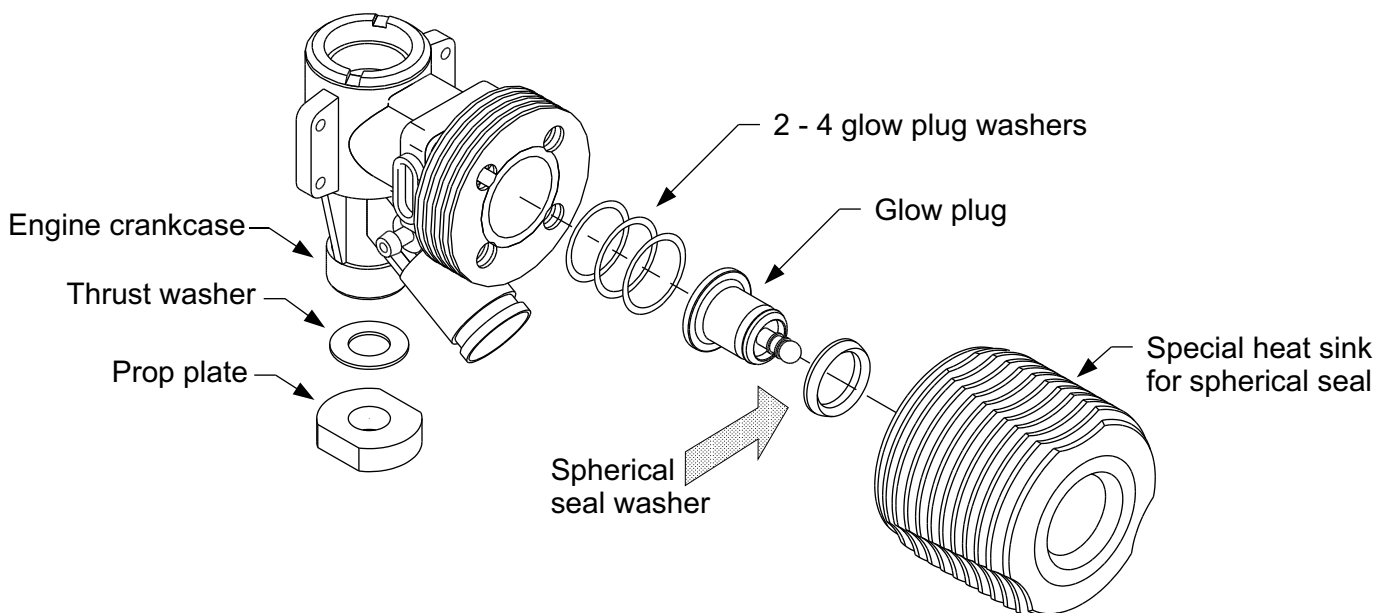


Spherical Cylinder Seals and *Vmax* Engines

Norvel *Vmax-6B* and *Vmax-7* engines now include a spherical seal washer which can improve the seal between the piston cylinder and glow plug. The spherical seal fits into the base of the special heat sink and uniformly distributes sealing pressure along the outer edge of the glow plug. For best operation, always use the spherical seal and spherical seal heat sink together. The effect of the spherical seal can be increased in some cases by lightly greasing the spherical seal washer with high temperature grease before assembly.

Note that the piston cylinder on the *Vmax-6B* engine is slightly taller than the cylinder on the standard *Vmax-6* to allow for the added height of the spherical seal washer. When using a standard heat sink with a *Vmax-6B* new piston cylinder, do not use the spherical washer. In addition, copper glow plug washers may be needed on top of the glow plug to properly seat the heat sink against the glow plug.



Note: Make sure to install the steel thrust washer between the engine crankcase and prop plate when assembling a *Vmax* engine and clutch.