



GM Global Propulsion Systems

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The GMOD test crankshaft 12588612 may be re-used beyond the original three test run limit. The test crankshaft 12588612 may be re-used provided it meets the dimensional requirements as follows:

| Crankshaft | | |
|--|------------------|------------------|
| • Connecting Rod Journal Diameter - Production | 53.318-53.338 mm | 2.0991-2.0999 in |
| • Connecting Rod Journal Diameter - Service | 53.308 mm | 2.0987 in |
| • Connecting Rod Journal Out-of-Round - Production | 0.005 mm | 0.0002 in |
| • Connecting Rod Journal Out-of-Round - Service | 0.01 mm | 0.0004 in |
| • Connecting Rod Journal Taper - Maximum for 1/2 of Journal Length - Production | 0.005 mm | 0.0002 in |
| • Connecting Rod Journal Taper - Maximum for 1/2 of Journal Length - Service | 0.02 mm | 0.00078 in |
| • Crankshaft End Play | 0.04-0.2 mm | 0.0015-0.0078 in |
| • Crankshaft Main Bearing Clearance - Production | 0.02-0.052 mm | 0.0008-0.0021 in |
| • Crankshaft Main Bearing Clearance - Service | 0.02-0.065 mm | 0.0008-0.0025 in |
| • Crankshaft Main Journal Diameter - Production | 64.992-65.008 mm | 2.558-2.559 in |
| • Crankshaft Main Journal Diameter - Service | 64.992 mm | 2.558 in |
| • Crankshaft Main Journal Out-of-Round - Production | 0.003 mm | 0.000118 in |
| • Crankshaft Main Journal Out-of-Round - Service | 0.008 mm | 0.0003 in |
| • Crankshaft Main Journal Taper - Production | 0.01 mm | 0.0004 in |
| • Crankshaft Main Journal Taper - Service | 0.02 mm | 0.00078 in |
| • Crankshaft Rear Flange Runout | 0.05 mm | 0.002 in |
| • Crankshaft Reluctor Ring Runout - Measured 1.0 mm (0.04 in) Below Tooth Diameter | 0.7 mm | 0.028 in |
| • Crankshaft Thrust Surface - Production | 26.14-26.22 mm | 1.029-1.0315 in |
| • Crankshaft Thrust Surface - Service | 26.22 mm | 1.0315 in |
| • Crankshaft Thrust Surface Runout | 0.025 mm | 0.001 in |

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