

2005 Ford Taurus SEL

2005 ENGINE Engine - 3.0L (2V) - Taurus & Sable

Valve seat runout (TIR)	0.078--0.098 mm (0.003--0.004 in)
Valve seat angle	45 degrees
Valve spring free length (approx.)	46.4 mm (1.85 in)
Valve spring compression pressure - valve open to maximum lift	857.0 - 967.0 N (193 - 217 lb) 29.74 mm (1.17 in)
Valve spring compression pressure - valve closed	285 - 323 N (64 - 72 lb) 40.52 mm (1.60 in)
Valve spring installed height	41.98--44.17 mm (1.650--1.736 in)
Valve spring installed height - service limit	10% force loss @ specified height
Rocker arm ratio	1:61
Hydraulic Lash Adjuster	
Diameter	22.206 mm (0.874 in)
Clearance-to-bore	0.018--0.069 mm (0.0007--0.0027 in)
Service limit	0.127 mm (0.005 in)
Hydraulic leakdown rate	20--200 seconds to leakdown 3.18 mm (0.125 in) with 225 N (50 lbs) load and tappet filled with leak-down fluid
Collapsed lash adjuster gap	2.23--4.77 mm (0.088--0.189 in)
Camshaft	
Theoretical valve lift @ 0 lash - intake	10.26 mm (0.404 in)
Theoretical valve lift @ 0 lash - exhaust	10.77 mm (0.424 in)
Lobe lift - intake	6.38 mm (0.25 in)
Lobe lift - exhaust	6.72 mm (0.26 in)
Allowable lobe lift loss	0.127 mm (0.005 in)
Journal diameter	50.987--51.013 mm (2.0074 - 2.0084 in)
Camshaft journal bore inside diameter - No. 1 and No. 4	54.668--54.713 mm (2.1531--2.1541 in)
Camshaft journal bore inside diameter - No. 2 and No. 3	54.188--54.213 mm (2.1334--2.1344 in)
Camshaft journal-to-bearing clearance	0.025--0.076 mm (0.001--0.003 in)
Runout	0.05 mm (0.002 in) Runout of No. 2 or No. 3 relative to No. 1 and No. 4
End play	0.003 mm (0.007 in)
Cylinder Block	
Cylinder bore diameter	89.00 mm (3.504 in)
Cylinder bore maximum taper	0.050 mm (0.002 in)
Cylinder bore maximum out-of-round	0.025 mm (0.001 in)
Cylinder bore maximum out-of-round - service limit	0.050 mm (0.002 in)
Main bearing bore inside diameter	68.905 mm (2.713 in) 68.885 mm (2.712 in)
Head gasket surface flatness	0.08 mm (0.003 in) 152.0 mm (6.00 in)
Crankshaft	
Main bearing journal diameter	63.983--64.003 mm (2.5190--2.5198 in)