

Timing Chain

Camshaft Sprocket Material
Crankshaft Sprocket Material
Number of Links in Chain

Cyanide Hardened Alloy Iron
Case Hardened Steel
60

Valves

Material
Intake

G.M. Manganese Molybdenum
Steel

Exhaust
Head Diameter

G.M. T-XCR Steel

Intake
Exhaust

1.917" - 1.923"
1.657" - 1.663"

Stem Diameter

Intake
Exhaust

.3407" - .3414"
.3402" - .3409"

Seat Angle

Intake
Exhaust

30°
45°

Fit of Stem In Guide (New)

Intake
Exhaust

.0021" to .0038"
.0026" to .0043"

Valve Lift

Intake
Exhaust

.402" - .409"
.404" - .411"

Valve Lifter

Diameter

.8424" - .8427"

Clearance in Boss

.0013" to .0028"

Length - Overall

2.000"

Leak-Down Rate

12-60 Seconds with 50 lb. Load

Plunger Travel (For Gauging
Purposes)

.125" (1/8")

Valve Springs

Early Production Engines
Before Eng. No. 190810

Later Production
Engine After Eng.
No. 190810

Outer

Spring Pressure & Length

Spring Pressure &
Length

Valve Opened

60 @ 1.52

62 @ 1.52

Valve Closed

114 @ 1.12

131 @ 1.12

Inner

Valve Opened

26 @ 1.48

32 @ 1.48

Valve Closed

64 @ 1.08

96 @ 1.08