

HUDSON REPAIR DATA – 1938-1950

TUNE-UP DATA

Tappet Clear. Intake 1938 thru 1942, all exc. 10, 20; 1946-1950 Eight	.006 Hot
Models 10,20: 1946-1950 Six	.010 Hot
Tappet Clearance, Exhaust 1938-1942, all exc. 10, 20; 1946-1950 Eight	.008 Hot
Model 10, 20; 1946-1949 Six	.012 Hot
1950 Six	.010 Hot
Tappet Clear. for Valve Timing, Intake .007 1938-1950	.010
Valve Timing – Intake opens 1938-1947 all exc. Model 20; 1948-1950 Eight	10.5° BTDC
1942 Model 20	28.5° BTDC
1948-1950 Six	7.5° BTDC
Timing Mark Location 1938-1950	Flywheel
Spark Timing 1938-1940 all exc. 89, 90; 89, 90	TDC
1941-1947 Six	¼” BTDC
1948-1950 Six	½” BTDC
1948-1950 Eight	UDC 1-6 Mark
	UDC 1-8 Mark
Breaker Gap, Inches 1938-1950 Six	.020
1938-1950 Eight	.020
Cam Angle, Degrees 1938-1947 Six	35
1938-1947 Eight	27½
1948-1950 Six	38
1948-1950	27
Spark Plug Gap, Inches 1938-1950 all	.032
Firing Order 1938-1950 Six	1-5-3-6-2-4
1938-1950 Eight	1-6-2-5-8-3-7-4
Cylinder Head Bolt Torque, Lbs. Ft. 1938-1947 Six	40
1938-1950 Eight	45
1948-1950 Six	70

REPAIR DATA

Pistons & Rods are removed 1938-1950 Six	Above
1938-1950 Eight	Above or below
Compression Ring Gap Clearance 1938-1947	.009
1948-1959 Six	.007
1948-1950 Eight	.009
Oil Ring Gap, Clearance 1938-1947 a;;; 1948-1950 Eight	.009
1948-1950 Six	
Compression Ring Groove, Clearance 1938-1950	.0015- .002
Oil Ring Groove, Clearance 1938-1950	.001 -.0015
Connecting Rod Bearing, Clearance 1938-1947 all; 1948-1950 Eight	.0003-.0006
1948-1950 Six	.0005-.0015
Rod Bolt Torque, Lbs. Ft. 1938-1947	40
1948-1950 Eight	90-95
Main Bearing Clearance 1938-1947 all; 1948-1950 Eight	.0007- .001
Main Bolt Torque, Lbs. Ft. 1938-1947 all	75
1948-1950 Eight	90-95

WHEEL ALIGNMENT

Toe-In, Inches 1938-1939	1/16
1940-1950	1/32
Caster, Degrees (Preferred) 1938 Terraplane; 1939 all	+1-1/2
1938 Hudson	+2-1/2
1940-1947	-1/4
1948-1950	+1
Camber, Degrees (Preferred) 1938-1939 all	+1/2
1940-1947	+1/2
1948-1950	+1