

## BRIEF REPAIR DATA

Complete Repair Data in Motor's Auto Repair Manual

TUNE UP DATA		REPAIR DATA		LUBRICATION & CAPACITIES	
<b>TAPPET CLEARANCE for Running, Intake</b>		1936 Series 60,80,90 ....	5/8 - 7/8	1941-46 .....	.015
1936-46 .....	.015 Hot	1937 Series 40 .....	1/2 - 1	<b>BRAKE SHOE</b>	
<b>TAPPET CLEARANCE for Running, Exhaust</b>		1937 Series 60,80,90 .....	1 - 1 1/2	<b>Clearance, Heel</b>	
1936-46 .....	.015 Hot	1938-39 Series 40 .....	3/8 - 1	1936-40 .....	.010
<b>TAPPET CLEARANCE for Valve Timing, Intake #2</b>		1938-39 Series 60,80,90 ..	1 1/4	1940-46 .....	.015
1936-46 .....	.015	1940-41 .....	1 1/4		
<b>VALVE TIMING</b>		1942 Series 40 (1 carb.)	1/2-1 1/2		
<b>Note</b> -With No. 1-8 FDC Mark visible at fly-wheel hole, #2 exhaust should be open to the following clearances:		1942-46 except 1942 Series 40 (1 carb.) .....	1 1/4		
1936 Series 40 .....	.150	<b>PISTONS &amp; RODS are removed</b>			
1936-46 Series 60,70,80,90.	.155	From Above			
1937-46 Series 40,50 .....	.145	<b>COMPRESSION RING</b>			
<b>TIMING MARK LOCATION</b>		Gap Clearance			
1936-46 .....	Flywheel	1936-46 .....	.010-.020	<b>ENGINE OIL Capacity, Refill Quarts</b>	
<b>COMPRESSION PRESSURE at Cranking Speed</b>		<b>OIL RING GAP CLEARANCE</b>			
1936 Series 40 .....	96	1936-46 .....	.010-.020	1936-42 Series 60,70,80,90 .....	
1936 Series 60,80,90 .....	94	<b>COMPRESSION RING Groove Clearance</b>			
1937 Series 40 .....	97	1936-46 .....	.0015-.003	1940-41 Series 50 .....	
1937 Series 60,80,90 .....	100	<b>OIL RING Groove Clearance</b>			
1938-39 Series 40 .....	112	1936-46 .....	.0015-.003	1942-46 Series 40,50 .....	
1938-39 Series 60,80,90 ..	113	<b>CONNECTING ROD Bearing Clearance</b>			
1940 Series 40,50 .....	112	1936-46 .....	.0008-.0018	<b>ENGINE OIL, S.A.E. No.</b>	
1940 Series 60,80,90 .....	114	<b>MAIN BEARING Clearance</b>			
1941-46 Series 40 .....	118	1936-41 .....	.0007-.0022	1936-37 (S) .....	
1941-46 Series 50 .....	120	1942-46 .....	.0007-.0025	1936-37 (W) .....	
1941-46 Series 60,70,90 ..	122	<b>WHEEL ALIGNMENT</b>			
<b>BREAKER GAP, Inches</b>		<b>TOE-IN, Inches</b>			
1936-37 .....	.015	1936 .....	1/16 - 1/8	<b>REAR AXLE CAPACITY</b>	
1938-46 .....	.0125-.0175	1937-46 .....	0 - 1/16	<b>Lbs. or Pints.</b>	
<b>SPARK TIMING</b>		<b>CASTER, Degrees</b>			
1936-46 .....	Adv Mark	1936 Series 40 .....	3 to 3 1/2	1936 Series 40 .....	
<b>CAM ANGLE, Degrees</b>		1936 Series 60,80 .....	1 3/4 to 2 1/4	1936 Series 60,80 .....	
1936-46 .....	31	1936 Series 90 .....	3/4 to 1 1/4	1936 Series 90 .....	
<b>SPARK PLUG GAP, Inches</b>		1937 Series 40,60 .....	1/4 ± 3/8	1937-46 except Series 80,90	
1936-37 .....	.025	1937 Series 80,90 .....	0 ± 3/8	1937-42 Series 80,90 .....	
1938-46 .....	.023-.028	1938-39 .....	-7/8 ± 3/8	<b>REAR AXLE OIL</b>	
<b>SPARK PLUG, Make &amp; Model</b>		1940 Series 40,50,60,70.	+3/8 ± 3/8	<b>S.A.E. No.</b>	
1936 .....	A.C. H-9	1940 Series 80,90 .....	-7/8 ± 3/8	1936-37 (S) .....	
1937 .....	A.C. H-9	1941-46 .....	+3/8 ± 3/8	1936-37 (W) .....	
1938-40 .....	A.C. 46	<b>CAMBER, Degrees</b>			
1941 .....	A.C. 104	1936 .....	-1/4 to + 3/4	1938-46 .....	
1942 .....	A.C. 46	1937-40 .....	-1/4 to +1	90 H.Y.	
1946 .....	A.C. 48	1941-42 Series 40,50,60,70 .....	+3/8 ± 3/8	<b>FUEL TANK CAPACITY, Gallons</b>	
<b>FIRING ORDER</b>		1941 42 Series 90 .....	-3/8 to + 7/8	1936 Series 40,60 .....	
1936-46 .....	1-6-2-5-8-3-7-4	1946 .....	-1/8 to + 1 1/8	1936 Series 80,90 .....	
<b>CARBURETOR IDLE, Turns to Open</b>		<b>CLUTCH &amp; BRAKE</b>			
1936 Series 40 .....	1 3/8 - 1 5/8	<b>CLUTCH FREE Pedal Travel, Inches</b>			
		1936-46 .....	3/4 - 1	1936-40 Series 40 .....	
		<b>BRAKE SHOE Clearance, Toe</b>			
		1936-40 .....	.010	1936-40 Series 60,70,80,90 .....	
				80,90 .....	
				1941 Series 40,50 .....	
				1941 Series 60,70 .....	
				1941 Series 90 .....	
				1942-46 Series 40,50 .....	
				1942-46 Series 60,70,90 .....	