

SERVICE BULLETIN

CAB SERVICE & PARTS CORPORATION

#41

SUBSIDIARY OF
CHECKER MOTORS
CORPORATION

NEW YORK * BROOKLINE
CHICAGO * DETROIT

January 1, 1959

Subject: ENGINE (L-HEAD) - MODEL A-9

Description: FITS AND LIMITS

	<u>CLEARANCE LIMITS</u>	<u>DESIRED CLEARANCE</u>
BEARINGS (CONNECTING ROD)	$\frac{.0018}{.0000}$.001
BEARINGS (CRANKSHAFT MAIN)	$\frac{.0028}{.0008}$.001
	<u>INTAKE LIFT</u>	<u>EXHAUST LIFT</u>
CAMSHAFTS	.284	.284
	<u>POSITION</u>	<u>SHAFT CLEARANCE</u>
CAMSHAFT BUSHINGS	FRONT	$\frac{.0030}{.0010}$
	FRONT INT.	$\frac{.0030}{.0010}$
	REAR INT.	$\frac{.0027}{.0010}$
	REAR	$\frac{.0030}{.0010}$
	<u>POSSIBLE SIDE PLAY</u>	<u>DESIRED SIDE PLAY</u>
CONNECTING RODS	$\frac{.0100}{.0060}$	$\frac{.010}{.006}$
	<u>DESIRED PULL</u>	
PISTON FIT	5 to 10 lbs. Fit with .002 shim	

continued.

FITS AND LIMITS - L-HEAD ENGINE (continued). . . . Page 2

	<u>DESIRED FIT IN BUSHING</u>	<u>DESIRED FIT IN PISTON</u>
PISTON PINS	.0003 loose	Light push fit (Desired) .003 Loose ACTUAL .0001 Tight ACTUAL

	<u>PIN FIT LIMITS</u>	<u>DESIRED PIN FIT</u>
PISTON PIN BUSHINGS	.0006 Loose .0002	.0003 Loose

	<u>R U N N I N G</u>		<u>C L E A R A N C E</u>
	<u>INTAKE</u>	<u>STD. EXH.</u>	<u>ROTO EXH.</u>
TAPPETS	.014	.014	.014

	<u>SEAT ANGLE</u>	<u>CLEARANCE LIMITS</u>	<u>DESIRED STEM CLEARANCE</u>
VALVES (INTAKE)	30°	.0026 .0008	.0015
VALVES (EXHAUST)	45°	.005 .0032	.0041

	<u>VALVE STEM CLEARANCE LIMITS</u>	<u>DESIRED STEM CLEARANCE</u>
VALVE GUIDES INTAKE	.0026 .0008	.0015
VALVE GUIDES EXHAUST	.0050 .0032	.0041

	<u>SPRING LOAD IN LBS. AT CLOSED LENGTH</u>
VALVE SPRINGS	50 lbs. Plus or Minus 3 lbs.

FREE LENGTH
1-31/32"

By: NEW YORK SERVICE DEPARTMENT