



INDIAN FACTORY

Service Shots

FOR
Indian Dealers



INDIAN DEALER

CLEARANCES ON 1938 MODEL INDIAN MOTORCYCLES

SERVICE SHOTS NO. 74
NOVEMBER 5, 1937.

-- MODEL MOTORCYCLE --

	SCOUT 45	CHIEF 74	INDIAN 4	SCOUT JR
INTAKE VALVE CLEARANCE	.005 - .007	.005 - .007	.001 - .003	.005 - .007
EXHAUST VALVE CLEARANCE	.005 - .007	.005 - .007	.005 - .007	.005 - .007
PISTON CLEARANCE:				
TOP LAND	.021	.024	.017	.017
SECOND LAND	.025	.028	.021	.021
THIRD LAND	.016	.020	.012	.012
SKIRT	.020	.024	.016	.016
SKIRT	.016	.020	.012	.012
SKIRT	.020	.024	.016	.016
SKIRT	.002	.003	.002	.005
SKIRT	.004	.005	.004	.007
PISTON RING END CLEARANCE	.010 - .020	.010 - .020	.010 - .020	.010 - .020
PISTON RING AND GROOVE CLEARANCE	.004 - .006	.004 - .006	.004 - .006	.004 - .006
SPARK ADVANCE	3/8" -- 37°	1/2" -- 36°	SET AT TOP DEAD CENTER FULL RETARD	7/16" -- 40°
VALVE SEAT DEGREE	35°	35°	45°	35°
VALVE LIFT END PLAY	.010	.010	----	.010
CAM SHAFT END PLAY	.006	.006	.002	.006
CRANKSHAFT END PLAY	----	----	.003	----
CONNECTING ROD SIDE PLAY	.015 - .020	.015 - .020	.001 - .002	.015 - .020
FLYWHEEL END PLAY DRIVE SPROCKET OFF	.017 - .019	.017 - .019	----	.017 - .019
FLYWHEEL END PLAY DRIVE SPROCKET ASSEMBLED	.010 - .012	.010 - .012	----	.010 - .012
TRANSMISSION END PLAY	.003 - .005	.003 - .005	.014 - .018	.003 -
TRANSMISSION COUNTERSHAFT GEAR END PLAY	.010	.010	.002	.010
BEVEL GEAR BACK LASH	----	----	.005 - .006	----
CAMSHAFT BUSHING CLEARANCE	.001 - .0015	.001 - .0015	.0015 - .002	.001 - .0015
PISTON PIN CLEARANCE IN ROD	.0015 - .002	.0015 - .002	.001 - .0015	.0015 - .002
FOR RACING	.003	.003		