



NOTICE:

SUZUKI

2-Stroke

Service Bulletin

Subject: OIL PUMP DISCHARGE RATE DATA

Bulletin No: SPECIFICATION-10

Date: May 28, 1976

Read and Initial

Manager _____

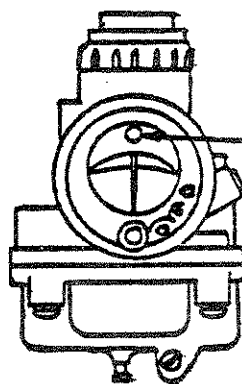
Parts _____

Service _____

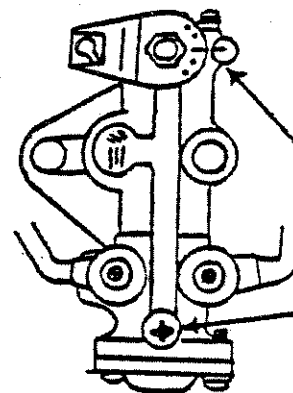
This bulletin contains oil pump discharge rate data for each Suzuki model equipped with an oil pump, and testing procedures. The procedure for testing oil pump discharge rates is as follows:

- I. Adjust and synchronize the carburetor (s).
- II. Adjust the oil pump as specified for each model. Oil pump adjusting methods indicated as A, B, C, and D are listed on the adjoining Oil Pump Discharge Rate Data Chart. Adjust the oil pump alignment marks when the methods listed below are completed.

METHOD A: Turn the throttle grip until the dot on the carburetor slide aligns with the top of carburetor Venturi:



ALIGNMENT
CIRCLE

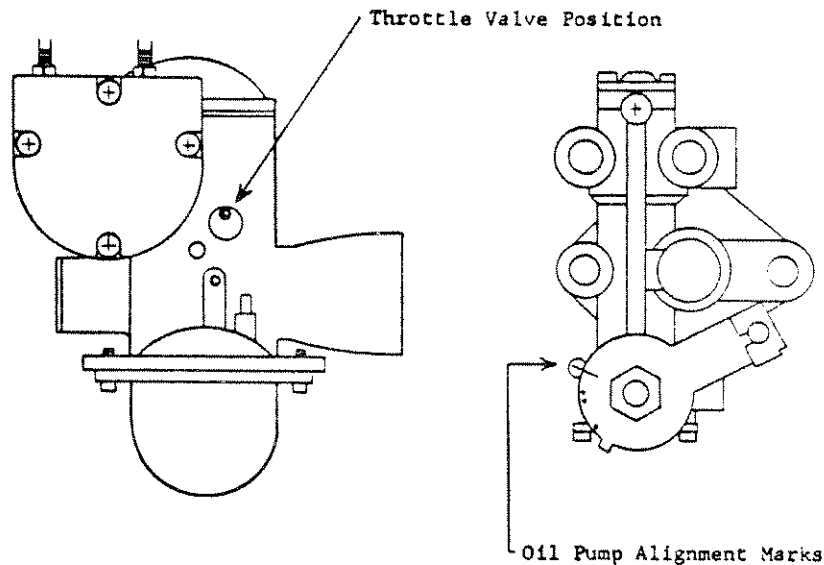


ALIGNMENT
MARKS

BLEED
SCREW

METHOD B: Turn to the throttle grip to the "full open" position

METHOD C: Remove the screw on the carburetor slide body. Turn the throttle grip until the dot on the carburetor slide is at the top of the inspection hole.



METHOD D: The throttle grip should be in the fully closed position.

- III. Warm up the engine, and make sure the oil lines are free of air bubbles.
- IV. Install an oil guage (09900-21602) on the motorcycle anywhere around the oil tank location and above the oil pump.

NOTE: Make sure the oil guage has been cleaned properly.
- V. Connect the oil line from the oil tank to the fitting on the bottom of the oil guage.
- VI. Pour 3 to 5 cc's of CCI oil into the oil guage.
- VII. Set the engine RPM's as specified in the data chart and stabilize.
- VIII. Measure the amount of oil drained by the oil pump from the oil guage and compare it with the specification on the data chart.

OIL PUMP DISCHARGE RATE DATA CHART

MODEL & OIL PUMP ADJUSTMENT METHOD	OIL PUMP CONTROL ARM POSITION & ENGINE RPM	DISCHARGE AMOUNT/ TIME @ RPM SPECIFIED
TS50	ENGINE RPM	2,000 RPM
METHOD - A	FULLY CLOSED	0.55 ± 0.15 cc/12 Min.
	FULLY OPENED	1.50 ± 0.15 cc/ 6 Min.
TS/TM75	ENGINE RPM	2,000 RPM
METHOD - A	FULLY CLOSED	0.78 ± 0.17 cc/12 Min.
	FULLY OPENED	2.13 ± 0.21 cc/ 6 Min.
RV90	ENGINE RPM	1,000 RPM
METHOD - A	FULLY CLOSED	0.46 ± 0.17 cc/12 Min.
	FULLY OPENED	0.57 ± 0.05 cc/ 3 Min.
TC/TS90	ENGINE RPM	2,000 RPM
TC/TS100	FULLY CLOSED	0.84 ± 0.18 cc/ 6 Min.
METHOD - A	FULLY OPENED	1.54 ± 0.15 cc/ 2 Min.
A100	ENGINE RPM	2,000 RPM
METHOD - B	FULLY CLOSED	1.06 ± 0.44 cc/12 Min.
	FULLY OPENED	0.77 ± 0.08 cc/ 1 Min.
TM100/125	ENGINE RPM	2,000 RPM
METHOD - B	FULLY CLOSED	0.93 ± 0.15 cc/ 3 Min.
	FULLY OPENED	1.27 ± 0.13 cc/ 1 Min.
RV125	ENGINE RPM	2,000 RPM
METHOD - B	FULLY CLOSED	0.98 ± 0.16 cc/ 6 Min.
	FULLY OPENED	1.33 ± 0.13 cc/ 2 Min.
TC /TS125	ENGINE RPM	2,000 RPM
METHOD - B	FULLY CLOSED	0.98 ± 0.16 cc/ 6 Min.
	FULLY OPENED	1.33 ± 0.13 cc/ 2 Min.
GT185	ENGINE RPM	2,000 RPM
METHOD - C	FULLY CLOSED	0.72 ± 0.20 cc/20 Min.
	FULLY OPENED	1.31 ± 0.13 cc/ 2 Min.
TC185	ENGINE RPM	2,000 RPM
METHOD - B	FULLY CLOSED	1.35 ± 0.32 cc/ 6 Min.
	FULLY OPENED	0.87 ± 0.09 cc/ 1 Min.
TS185	ENGINE RPM	2,000 RPM
METHOD - B	FULLY CLOSED	1.33 ± 0.31 cc/ 6 Min.
*A MODEL METHOD-C	FULLY OPENED	0.85 ± 0.08 cc/ 1 Min.

(cont.)

OIL PUMP DISCHARGE RATE DATA CHART (cont'd)

MODEL & OIL PUMP ADJUSTMENT METHOD	OIL PUMP CONTROL ARM POSITION & ENGINE RPM	DISCHARGE AMOUNT/ TIME @ RPM SPECIFIED
GT250	ENGINE RPM	1,000 RPM
METHOD - C	FULLY CLOSED	0.632 \pm 0.16 cc/ 6 Min.
	FULLY OPENED	0.86 \pm 0.13 cc/ 1 Min.
TM250	ENGINE RPM	2,000 RPM
METHOD - B	FULLY CLOSED	1.15 \pm 0.30 cc/ 2 Min.
	FULLY OPENED	1.87 \pm 0.19 cc/ 1 Min.
TS250	ENGINE RPM	2,000 RPM
METHOD - B	FULLY CLOSED	0.93 \pm 0.26 cc/ 3 Min.
*A MODEL METHOD-C	FULLY OPENED	1.08 \pm 0.11 cc/ 1 Min.
GT380	ENGINE RPM	1,000 RPM
METHOD - C	FULLY CLOSED	0.897 \pm 0.33 cc/20 Min.
	FULLY OPENED	0.81 \pm 0.08 cc/ 1 Min.
TS/TM400	ENGINE RPM	2,000 RPM
METHOD - B	FULLY CLOSED	0.86 \pm 0.32 cc/ 3 Min.
*A MODEL TS400- METHOD - C	FULLY OPENED	2.09 \pm 0.21 cc/ 1 Min.
GT/T500	ENGINE RPM	1,000 RPM
METHOD - C	FULLY CLOSED	1.01 \pm 0.26 cc/ 6 Min.
	FULLY OPENED	1.68 \pm 0.17 cc/ 1 Min.
RE5	ENGINE RPM	2,000 RPM
METHOD - B	FULLY CLOSED	1.03 \pm 0.10 cc/ 3 Min.
	FULLY OPENED	0.87 \pm 0.09 cc/ 1 Min.
GT550	ENGINE RPM	1,000 RPM
METHOD - C	FULLY CLOSED	0.8 \pm 0.29 cc/12 Min.
	FULLY OPENED	1.42 \pm 0.14 cc/ 1 Min.
GT750	ENGINE RPM	1,000 RPM
METHOD - D	FULLY CLOSED	0.96 \pm 0.35 cc/12 Min.
	FULLY OPENED	1.71 \pm 0.17 cc/ 1 Min.