



SUZUKI (2-Stroke) Service Bulletin

Subject: PNEUMATIC/COIL SPRING ("AIR")
FRONT FORK SPECIAL TOOLS

Bulletin No: Tools-7
Date: June 10, 1977
Read and Initial
Manager: _____
Parts: _____
Service: _____

RE: SERVICE BULLETIN, #RM-31

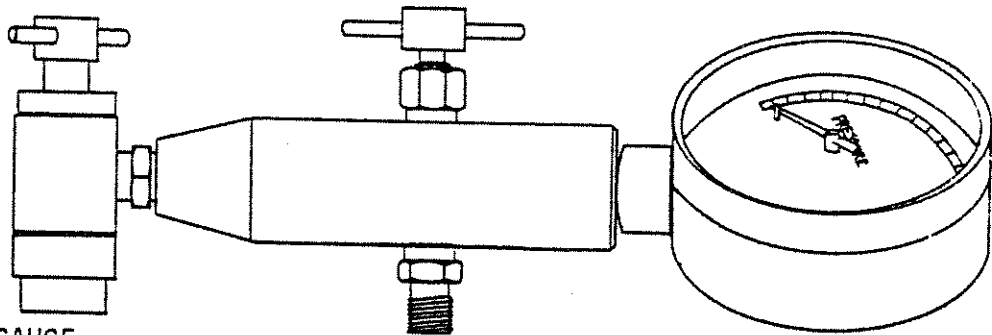
NOTICE:

The air pressure, and oil level of the pneumatic/coil spring front forks constitute the largest single factor concerning the dampening rate of the front suspension. Consequently, the proper adjustment of those two factors is critical.

Therefore, two special tools are now available which will aid in the adjustment of the pneumatic/coil spring front forks to any combination of rider weight and track condition. The two tools are; a very accurate air pressure gauge, and a precise oil level gauge.

It is strongly recommended that the oil level and air pressure gauges be used whenever service of this style front fork suspension system is necessary.

The features of these two tools are listed below:



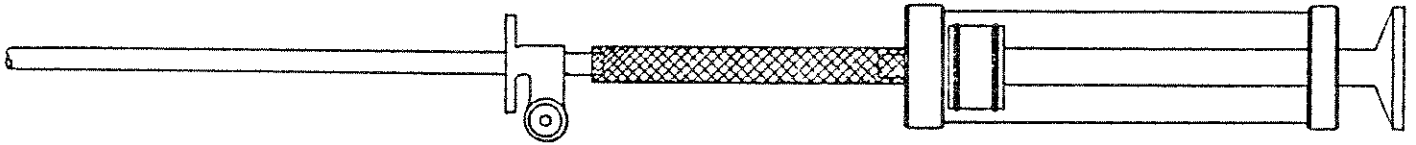
I. AIR PRESSURE GAUGE

- A. Scale reads in both PSI, and kg/cm².
- B. Air pressure can be adjusted accurately (either adding or removing air) with the tool in place on the fork cap air valve.

NOTE: Without the proper air pressures in each fork tube, premature wear or damage may occur to the internal components of those fork tubes.

As stated in Service Bulletin #RM-31, the maximum difference in air pressures between right and left fork tubes must be kept less than 1.4 PSI or 0.1 kg/cm².

- C. The Air Pressure Gauge is constructed of brass and aluminum for durability.
- D. Gauge reads up to a maximum of either 4 kg/cm² or 60 PSI.



II. OIL LEVEL GAUGE

- A. Unit is compact, and made from heavy duty see-through plastic.
- B. Gauge reads in mm's from the top of the fork tube to the oil level contained in the fork tube.

NOTE: To obtain maximum performance from the front forks, it is necessary to measure the level of oil in mm's from the top of the fork tube, rather than rely on a premeasured amount of oil to be added after the old fork oil is drained. The maximum allowable difference between oil quantities of the two fork tubes is 1 mm.

- C. By using the syringe portion of the tool, excess oil can be removed without the "mess" of removing the drain screw located at the bottom of the fork tube and trying to remove a small quantity of oil.

PARTS:

Both the air pressure and oil level gauges are now available from U.S. Suzuki's Parts Department having the part numbers and prices listed below:

DESCRIPTION	PART NUMBER	DEALER COST	RETAIL COST
Air Pressure Gauge	09940-44110	\$22.50	\$29.90
Oil Level Gauge	09943-74110	17.36	24.80

Please inform each new owner of a machine with this style front suspension system that these two tools are available, and necessary to properly adjust the dampening rate of the front forks. They should also be informed of the information contained in the Owner's Manual as to service and adjustment procedures of this suspension system.