

SERVICE

SHOP DOPE

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BEAR IN MIND

A 1950 4-brush generator body can be used with an earlier (1948-49) armature, or a 1950 armature can be used with an earlier (1948-49) 2-brush body, however, neither combination attains the low speed generator cut-in and higher output of the complete 1950 generator. It is the quick build-up of the 1950 generator that accounts for its doing such a satisfactory job of taking care of current requirements and keeping battery charged.

The engine of a 125 model equipped with 1950 generator can be started even though battery is discharged. Simply prime carburetor, put transmission in second gear, turn on ignition switch, and push motorcycle a short distance. Sometimes cranking will start engine.

Since the ignition circuit breaker cam of the 125 model must be removed to permit replacing armature, it must be very carefully reinstalled with its axis in almost perfect alignment with right side main shaft (generator shaft.) In other words, the outer end of breaker cam can be allowed only very slight wobble. If cam has more than very slight wobble, engine may be inclined to run backward at times. When installing breaker cam, use a dial indicator on round part of cam sleeve directly back of cam; true within .003" total run out. Circuit breaker points allowed to close up to a very narrow gap also can be responsible for running backward. When an engine develops this characteristic it is always due to one or possibly both of these irregularities.

HARLEY-DAVIDSON MOTOR CO.
Milwaukee 1, Wis., U.S.A.

NOTE: This bulletin being sent to direct dealers only. If you have any associate dealers, you should inform them of this exchange offer; also order generators they need, and return their old generators for credit.