

AUTOLUBE PUMP

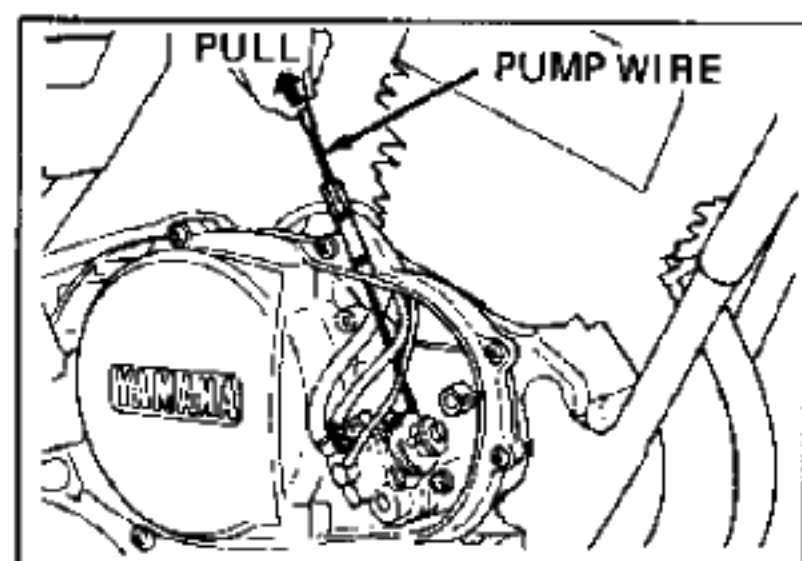
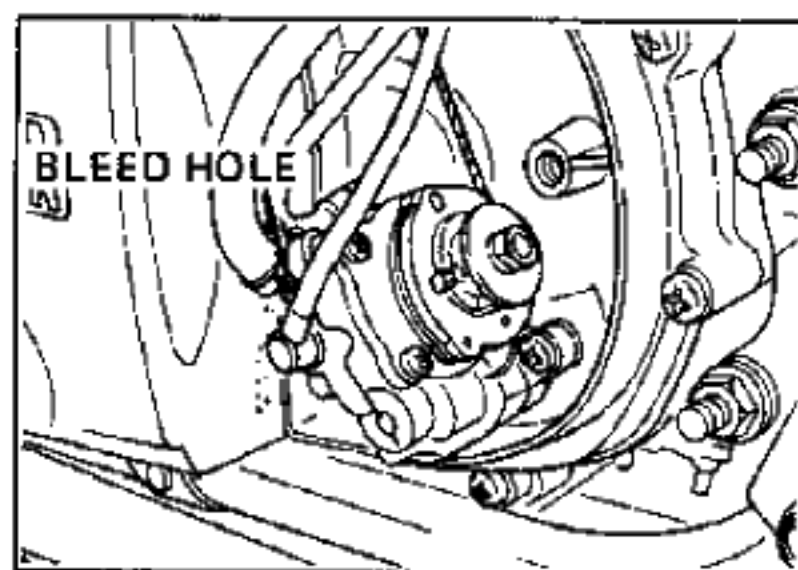
SERVICE PROCEDURES. 1975-1977 CODES

New Yamaha Autolube models feature a new type of oil pump. The new pump does not have a starter plate. Adjustment and bleeding procedures differ slightly from procedures for earlier models. The new procedures are described in the Autolube Service Manual (LIT-11616-77-00) and are briefly outlined in Part I of this bulletin. 1975-1977 pulley adjustment codes are provided in Part II.

PART I

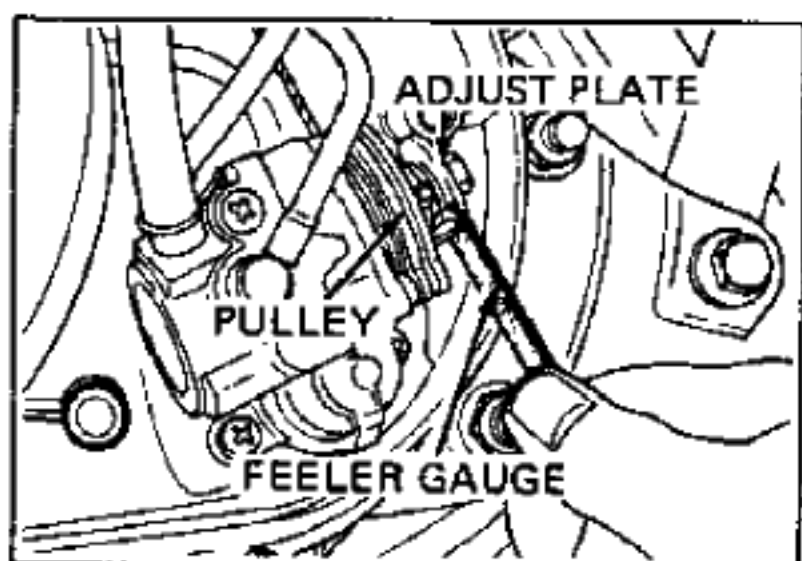
A. Air Bleeding

1. To bleed pump case, remove pump cover and bleed screw.
2. There is no starter plate. Allow oil to flow from bleed hole until all air bubbles are removed from the pump case and oil pipe. Reinstall bleed screw.
3. To bleed the pump distributor and delivery pipe, start engine. Pull the pump wire to set pump at maximum stroke.
4. Run engine at about 2,000rpm for about 2 minutes. This will bleed the delivery pipe and distributor.
5. Reinstall the pump cover.



B. Pump Stroke

1. Remove pump cover and start engine. With the engine running at idle, watch the pump adjust plate. Stop the engine when the adjust plate is at the height of the stroke. (When it has moved out of the pump body to its limit.)



PART I (con't.)

B. Pump Stroke (con't.)

2. Insert a feeler gauge between the boss on the pump and the adjust plate. Do not force the gauge into the gap or incorrect measurement will result.
3. If necessary, adjust minimum stroke by adding or removing shims under the adjust plate. Recheck gap after reassembly.

PART II PULLEY CODES AND ALIGNMENT, 1975-1977

1. Set throttle cable freeplay. To adjust the Autolube cable at idle, first slowly open the accelerator grip until all play in the cable is taken up, just prior to throttle valve opening. (Note that some models require adjustment at full throttle.)
2. To adjust the pulley at the pump (for idle or full throttle setting as specified), turn the adjustment nut on the cable housing until the pulley marker aligns with the pin. See following chart.

1975

MODEL	PULLEY MARKER	POSITION
RD60B	○	idle
RS100B	○	idle
RD125B	△	idle
RD200B	△	idle
RD250B	⊗	idle
RD350B	⊗	idle
GT80B	○	idle
DT100B	○	idle
DT125B	⊗	idle
DT175B	○	idle
DT250B	⊗	idle
DT400B	⊗	idle
GTMXB	○	idle
TY80B	○	idle
TY175B	○	idle

1976

MODEL	PULLEY MARKER	POSITION
LB80-11HC	⊗	idle
LB80-11AC	⊗	idle
RS100C	○	idle
RD125C	⊗	idle
RD200C	△	idle
RD400C	⊗	full open
GT80C	○	idle
DT100C	△	idle
DT125C	⊗	idle
DT175C	●	idle
DT250C	⊗	idle
DT400C	⊗	idle
GTMXC	○	idle
TY175C	●	idle
TY250C	⊗	idle

1977

MODEL	PULLEY MARKER	POSITION
LB80-2D	⊗	idle
RD400D	⊗	full open
DT100D	△	idle
DT250D	⊗	full open
DT400D	⊗	full open

LEGEND

