

**BLEED OIL INJECTION SYSTEM.**  
Air must be purged from injection system if oil pump, oil lines or tank have been removed or renewed, or if unit has been in long term storage.

Fill fuel tank with a 50:1 mixture of gasoline and a recommended oil to ensure proper lubrication during bleeding

procedure. Fill oil tank with a recommended oil. Loosen bleed screw (S—Fig. SZ7-7) two or three turns. Start engine and allow to idle (600-650 rpm) until air free oil is discharged from bleed screw (S). Be sure to securely retighten bleed screw.

1500 rpm. Renew oil pump if not to specification.

When installing oil pump, lubricate pump driven gear (3—Fig. SZ7-7) with a recommended oil and be certain driven gear shaft properly engages oil pump.

**IGNITION**

All models are equipped with breakerless capacitor discharge ignition. Refer to Fig. SZ7-8 for wiring diagram on models with electric start.

**IGNITION TIMING.** To check ignition timing, make sure timing marks (T—Fig. SZ7-3) on stator (1) and stator stopper (2) are aligned as shown. Loosen screws (4) and move stopper (2) to adjust. Im-

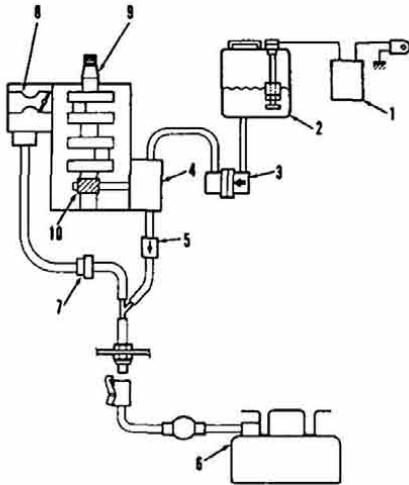


Fig. SZ7-6—Diagram of automatic oil injection system.

- 1. CDI unit
- 2. Oil tank
- 3. Oil filter
- 4. Oil pump
- 5. Check valve
- 6. Fuel tank
- 7. Fuel filter
- 8. Carburetor
- 9. Crankshaft
- 10. Oil pump driven gear

**CHECKING OIL PUMP OUTPUT.**  
Start engine and allow to warm-up to normal operating temperature. Remove oil tank and connect Suzuki oil measuring gage 09900-21602 to oil line. Fill oil measuring gage with a recommended oil and bleed system as previously described. Refill oil measuring gage to an upper reference mark. Start engine and maintain speed at 1500 rpm for five minutes. Pump output should be 1.2-1.8 mL (0.04-0.06 oz.) in five minutes at

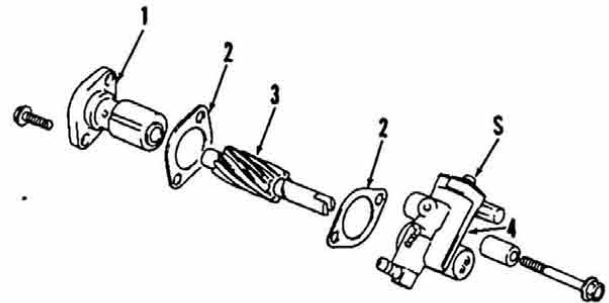
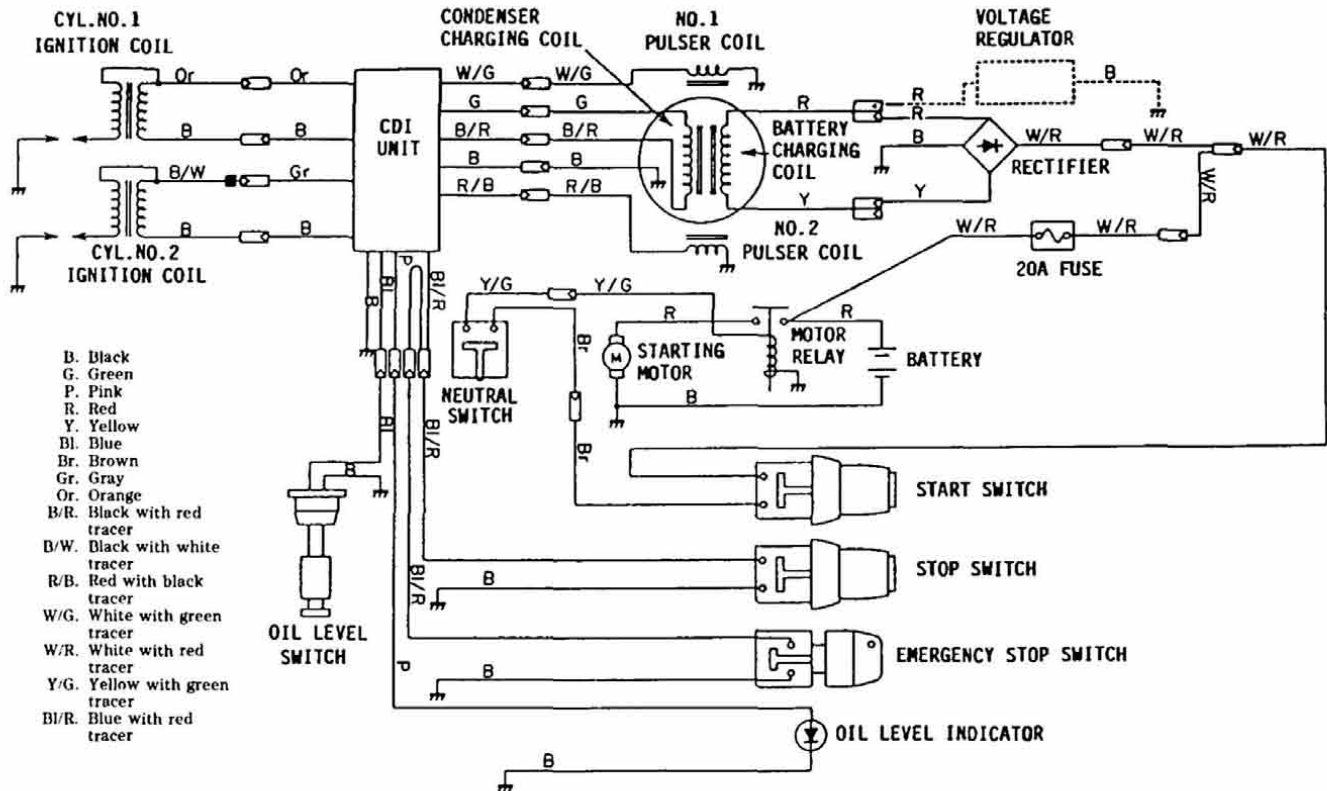


Fig. SZ7-7—Exploded view of automatic oil pump assembly.

- 1. Retainer
- 2. Gasket
- 3. Driven gear
- 4. Pump assy.
- 5. Bleed screw



- B. Black
- G. Green
- P. Pink
- R. Red
- Y. Yellow
- Bl. Blue
- Br. Brown
- Gr. Gray
- Or. Orange
- B/R. Black with red tracer
- B/W. Black with white tracer
- R/B. Red with black tracer
- W/G. White with green tracer
- W/R. White with red tracer
- Y/G. Yellow with green tracer
- Bl/R. Blue with red tracer

Fig. SZ7-8—Wiring diagram typical of all models. Diagram shown is on models equipped with electric start and optional voltage regulator. Manual start models are similar.