#### 4-11. FUEL INJECTION SYSTEM (See Figures 4-1, 4-2 and 4-3).

a. Use the following basic procedure to disassemble the fuel injection system on the IO-520 Series.

#### Disconnect

- Fuel discharge tubes and nozzles.
  - (a) Tubes at fuel manifold valve.
  - (b) Tube et nouzles.
  - (c) Clips at tube bracket.
  - (d) Nozzles at engine

# NOTE

Remove fuel intection connection fatings from fuel injection components only (finecessary for replacement

- Fuel Hoses.
  - (a) Fuel pump to metering unit.
    - (I) Fuel hose to metering unit.
    - (2) Fuel gump return.
  - (b) Metering unit to fuel manifold valve.
- 3. Throttle body and metering unit from engine.
  - (a) Remove clamps etc. from intake manifold.
  - (b) Remove miscelleneous ettaching parts.
- 4. Metering unit from throttle body.
  - (a) Remove hinkage.
  - (b) Remove miscellaneous attaching parts and
  - (c) Disassembly throttle body.
    - (I) Levens.
    - (2) Butterfly.
- Fuel pump from engine.
  - (e) Shroud
  - (b) Attaching parts
  - (c) Coupling, geer and gasket.
- Fuel menifold valve and bracket from engine.
  - (a) Attaching parts.
  - (b) Valve from bracket.

# NOTE

Plather disassembly of fuel injection system components is not advised unless proper test equipment is available.

For further information see Teledyne Continental Piuel Injection System Manual Form X-30091

#### 4-12. MAGNETO AND ACCESSORY DRIVES (See Figure 4-5).

- Remove two sets of attaching perts (1, 2, 3) and six sets of attaching parts (4, 5,6) and remove adapter assembly (7) and related parts as a unit.
- Remove gees essembly (18), megneto drive coupling. bushings (21) and retainer (22).
- Remove attaching parts (S, 9, 10) and lift cover (11) and gasket (12). Remove oil seel (14) from adapter (0.7)-

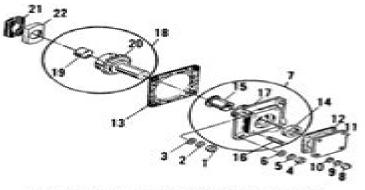


FIGURE 4-5. MAGNETO & ACCESSORY DRIVES.

- Nut. Plain, Hex.
- 2. Washer, Lock
- 3. Washer Plain
- 4. Nut. Plain, Hex.
- 5. Washer Lock
- Washer, Plain
- Adapter Assembly
- 8. Nut. Plain, Hex.
- 9. Washer, Lock
- 10. Washer, Plain
- 11. Cover, Accv. Drive
- 12. Gasket
- 13. Gasket.
- 14 Seal Oil
- 15. Bushing Adapter
- 16 Stud
- 17. Adapter
- 18. Gear Assembly
- 19. Sleeve
- 20. Gear, Drive
- 21 Bushing
- 22 Retainer

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