

VI. Troubleshooting

See page 116 for a specific troubleshooting guide for the H2 ignition.

ENGINE

Starting difficulty or failure to start

Ignition System

CDI and point-type ignitions

Ignition spark present

- ① Fault in fuel system
- ② Fault in compression system
- ③ Mechanical failure

No spark for one or two plugs

- ① Defective spark plug
- ② Faulty plug wire insulation

No ignition spark

- ① Bad wiring or connection, or short
- ② Battery discharged (H1)
- ③ Fuse blown (H1)
- ④ Bad ignition switch connection

CDI

No spark for one or two plugs

- ① Distributor insulation breakdown

No ignition spark

- ① Defective ignition coil
- ② Defective A or B unit
- ③ Coil wire insulation breakdown
- ④ Sig.Gen. coil short or open

Point-type ignition

No spark for one or two plugs

- ① Defective ignition coil
- ② Defective points
- ③ Defective condenser

Fuel System

Check that fuel tank contains gasoline

Outside carburetor

- ① Fuel tap clogged
- ② Fuel pipe clogged

Inside carburetor

- ① Starter jet clogged
- ② Pilot jet clogged
- ③ Float valve clogged

Compression System

Outside engine

- ① Spark plug inserted incorrectly
- ② Faulty cylinder head mounting

Inside engine

- ① Head gasket damaged
- ② Worn cylinder, piston
- ③ Worn, broken rings
- ④ Defective crankshaft oil seal

Mechanical Failure

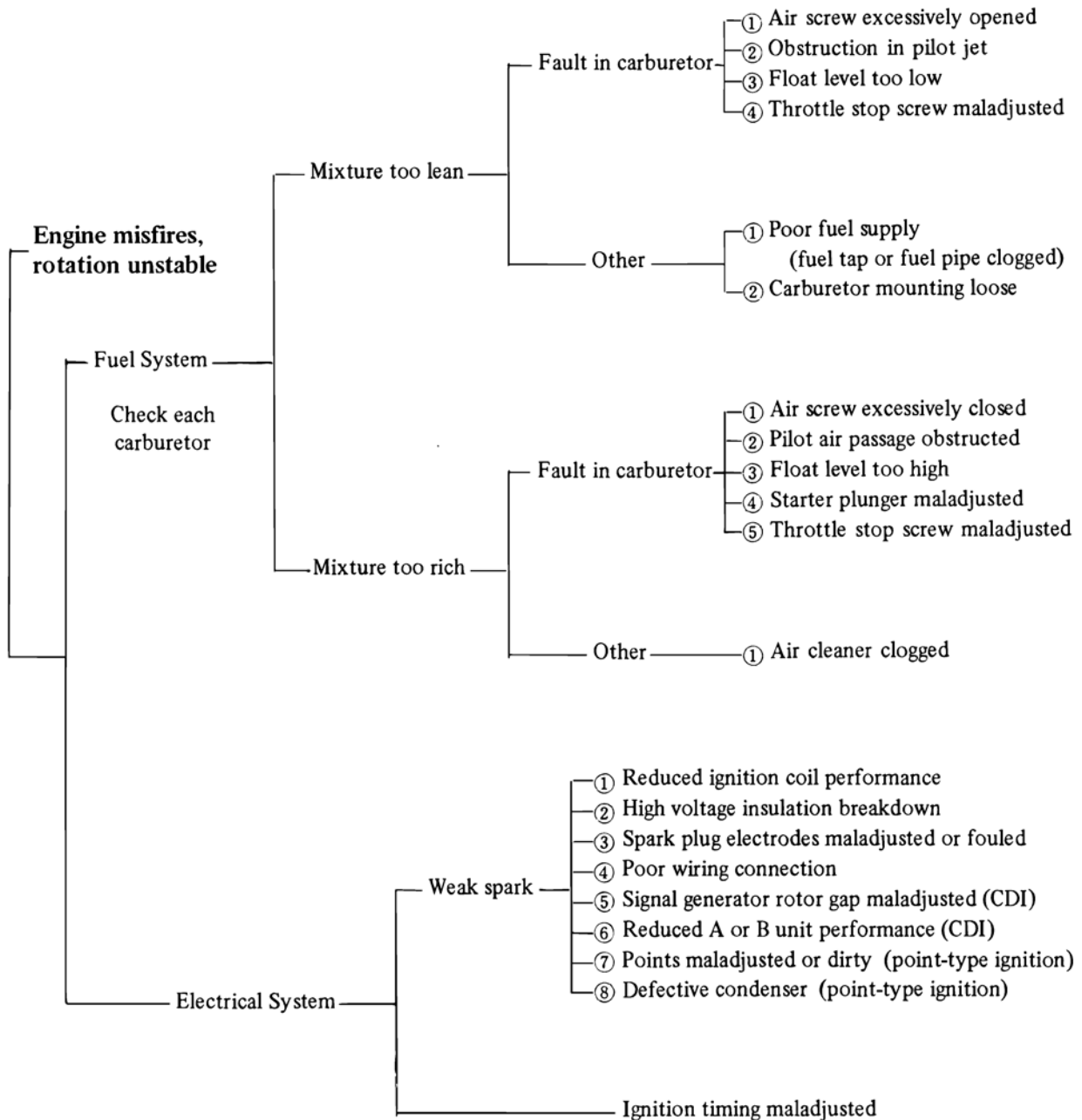
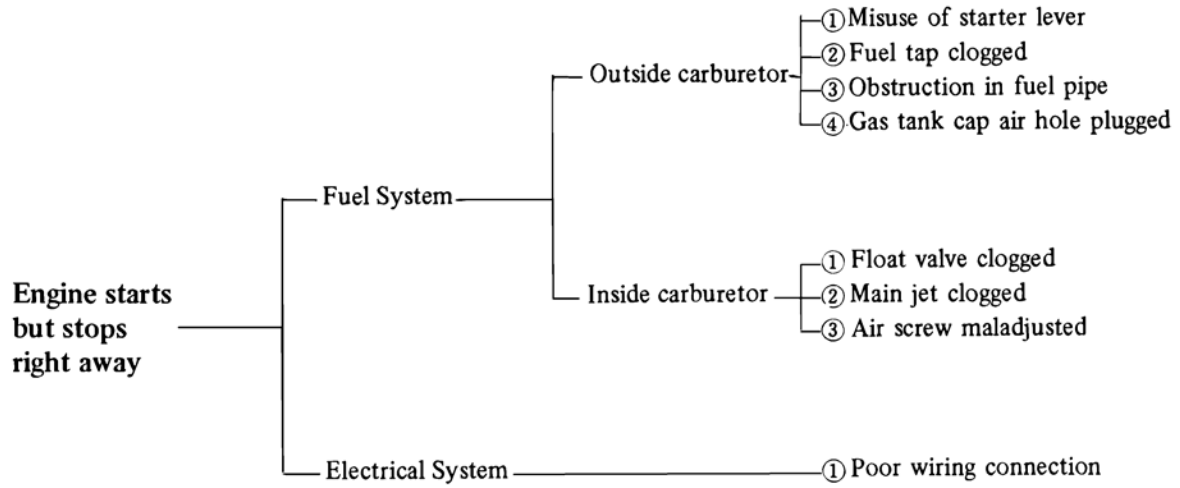
Kick pedal inoperative

- ① Broken parts inside engine

Difficulty in re-starting engine after it is warmed up

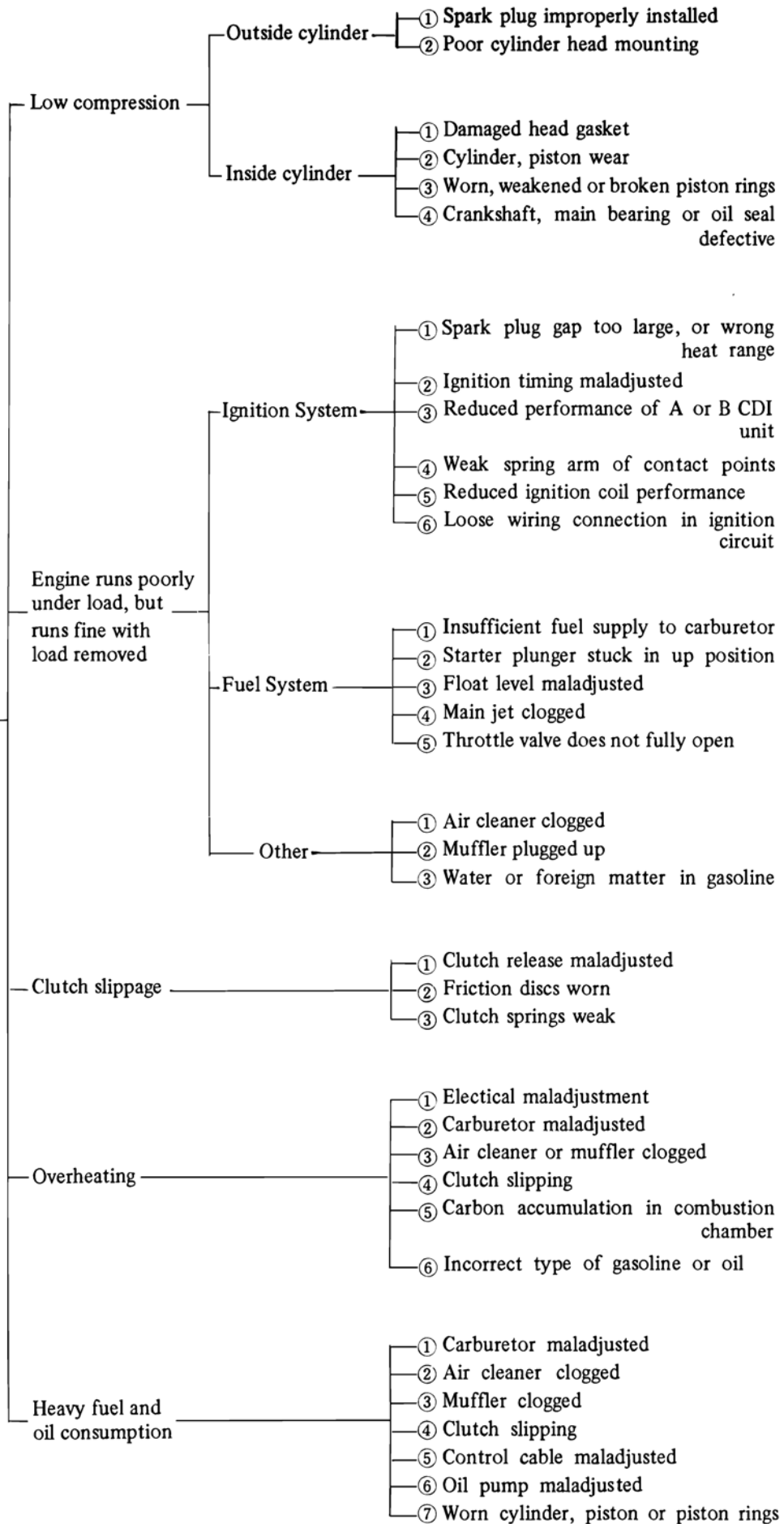
- ① No gasoline in tank
- ② Mixture too rich

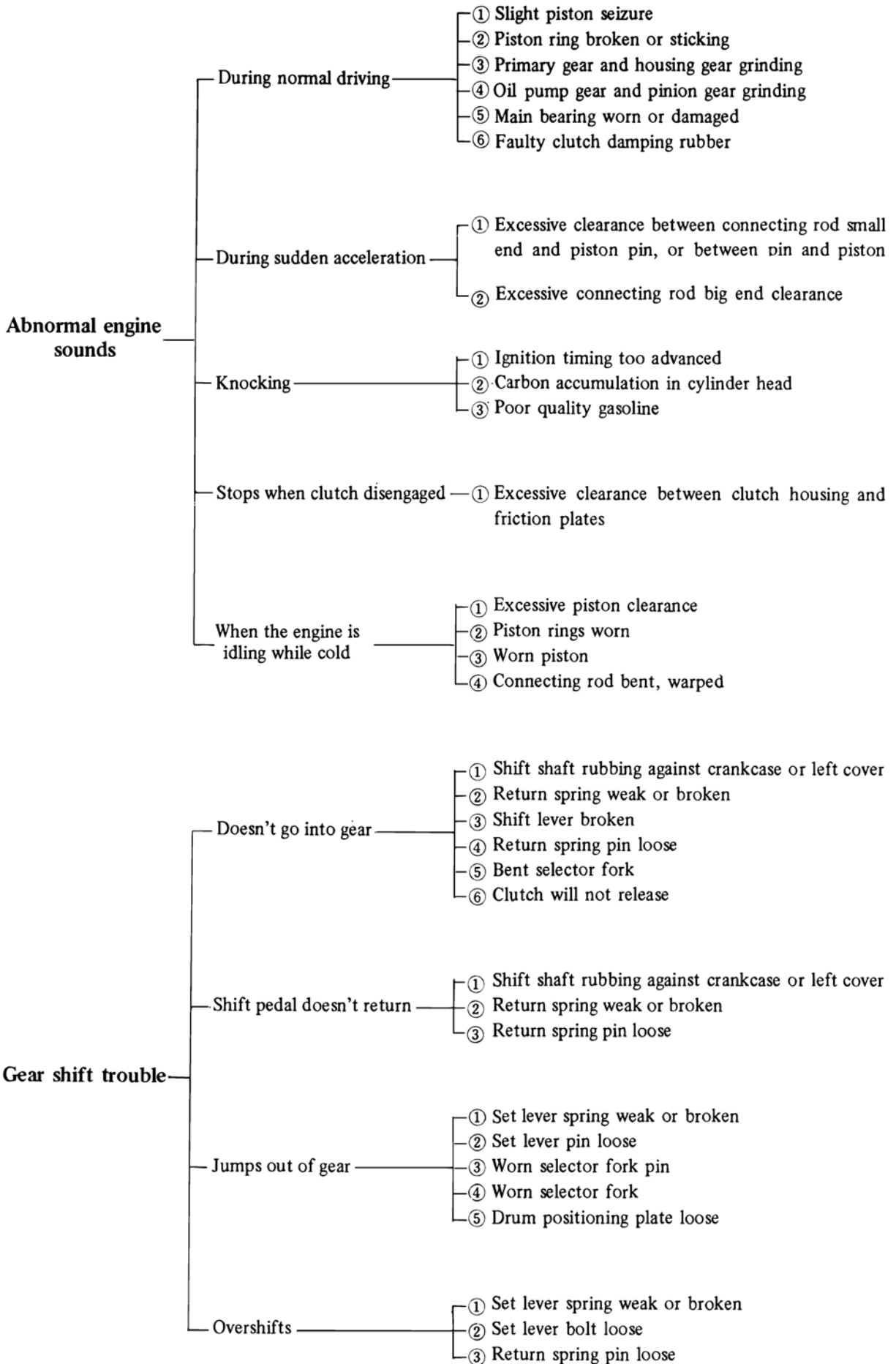
Note: When starting a warm engine, hold the throttle grip full open until the engine starts and r.p.m. starts to rise. Do not use the starter lever.

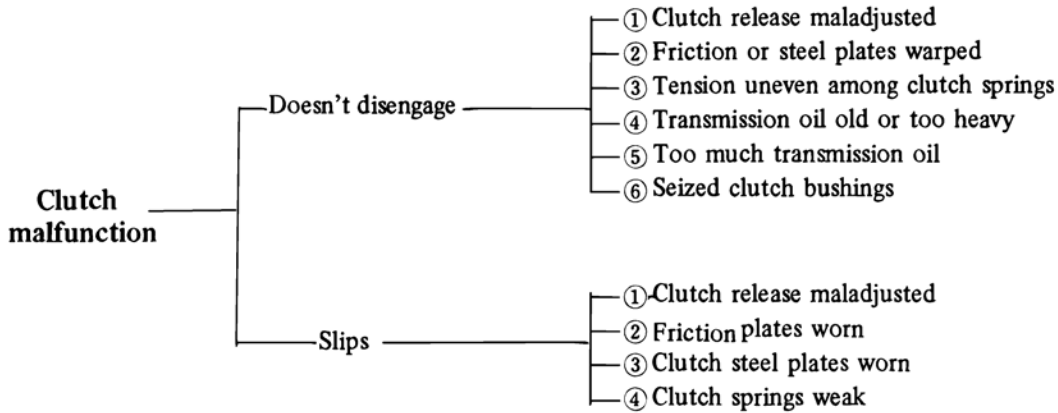


Low output power

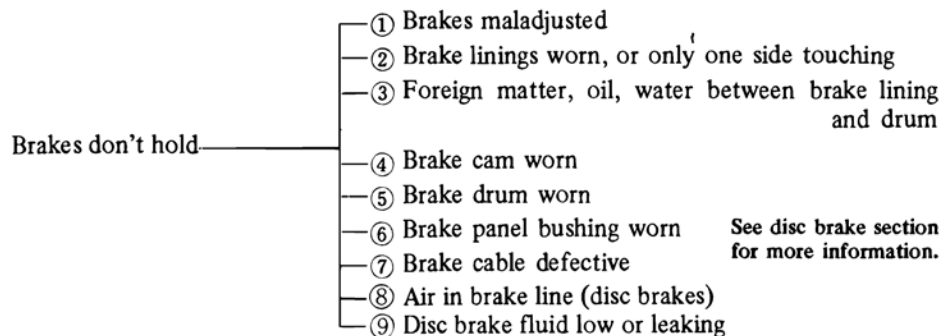
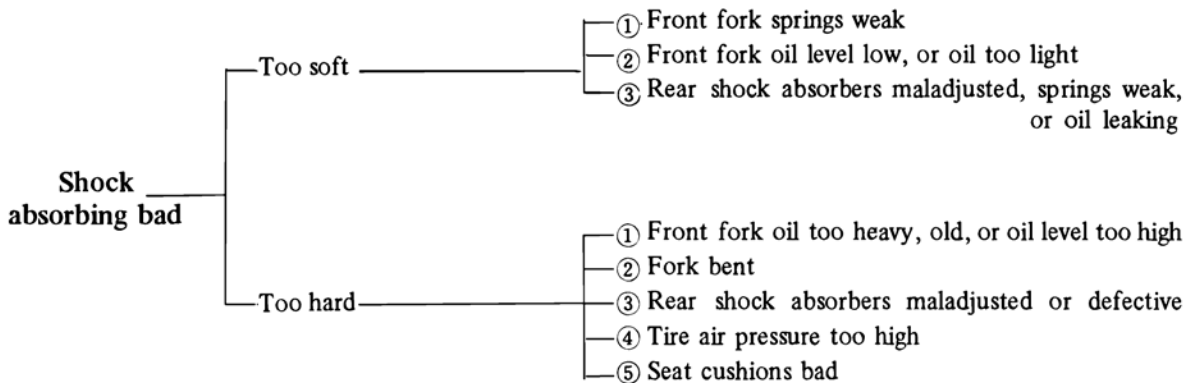
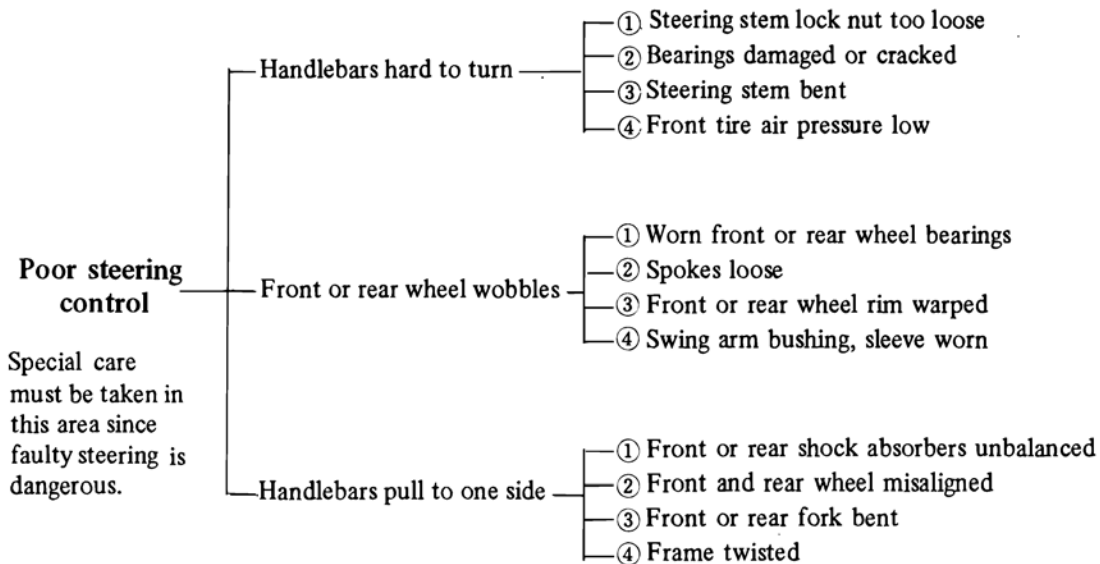
This trouble often has more than one cause, and trouble symptoms may not be clear







FRAME



Periodic Maintenance Guide

| Operation \ Frequency | After initial 800 km | After initial 5,000 km | Every subsequent 5,000 km | Every subsequent 10,000 km |
|--|--|------------------------|---------------------------|----------------------------|
| Check, adjust brakes | • | • | • | |
| Check, adjust clutch | • | • | • | |
| Check, adjust carburetors and oil pump | • | • | • | |
| Check spoke tightness and rim runout | • | • | • | |
| Clean fuel system | • | • | • | |
| Clean, set spark plug gaps | • | • | • | |
| Check brake fluid level | • | • | • | |
| Check tire pressure and tread wear | • | • | • | |
| Change transmission oil | • | | • | |
| Check points, timing | • | | • | |
| Check steering play | • | | | • |
| Tighten bolts and nuts | • | | | • |
| Check drive chain wear | | • | • | |
| Clean air cleaner element | | • | • | |
| Perform general lubrication | | • | • | |
| Lubricate drive chain | Every 300 km | | | |
| Check, adjust drive chain | Every 800 km | | | |
| Check brake wear | Every 10,000 km | | | |
| Change front fork oil | Every 10,000 km | | | |
| Change air cleaner element | *Every 10,000 km or after cleaning 5 times | | | |
| Change brake fluid | *Every year or 10,000 km | | | |
| Regrease wheel bearings | *Every 2 years or 20,000 km | | | |
| Regrease speedometer gear housing | *Every 2 years or 20,000 km | | | |
| Regrease brake camshaft | *Every 2 years or 20,000 km | | | |
| Lubricate steering stem bearings | *Every 2 years or 20,000 km | | | |

* Whichever occurs first

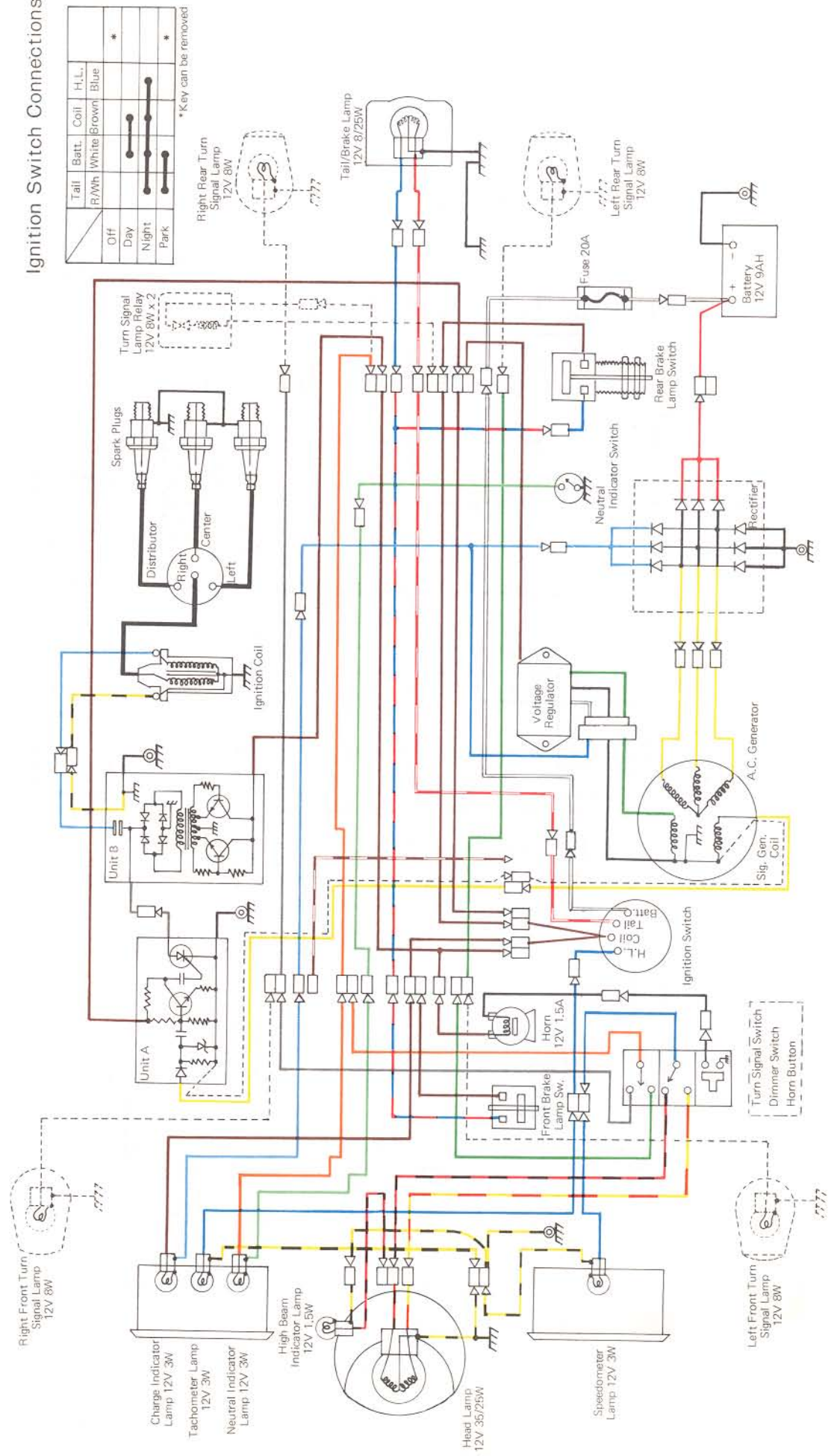
Torque Table

Torque values listed below should be used in tightening all nuts and bolts. Where a different value is prescribed in the shop manual text, the text supersedes this table. All of these values are for use with dry solvent cleaned threads.

| | Nominal dia. (mm) | Pitch (mm) | Torque [ft-lb (kg-m)] | |
|----------------|----------------------|---------------|-----------------------|-----------------|
| Coarse Threads | 5 | 0.80 | 2.5 – 3.5 | (0.35 – 0.50) |
| | 6 | 1.00 | 4.5 – 6.5 | (0.6 – 0.9) |
| | 8 | 1.25 | 11.5 – 16.0 | (1.6 – 2.2) |
| | 10 | 1.50 | 22 – 30 | (3.1 – 4.2) |
| | 12 | 1.75 | 39 – 54 | (5.4 – 7.5) |
| | 14 | 2.00 | 60 – 83 | (8.3 – 11.5) |
| | 16 | 2.00 | 94 – 130 | (13 – 18) |
| | 18 | 2.50 | 130 – 181 | (18 – 25) |
| | 20 | 2.50 | 188 – 253 | (26 – 35) |
| Fine Threads | 5 | 0.50 | 2.5 – 3.5 | (0.35 – 0.50) |
| | 6 | 0.75 | 4.5 – 5.5 | (0.6 – 0.8) |
| | 8 | 1.00 | 10.0 – 13.5 | (1.4 – 1.9) |
| | 10 | 1.25 | 19.0 – 25 | (2.6 – 3.4) |
| | 12 | 1.50 | 33 – 45 | (4.5 – 6.2) |
| | 14 | 1.50 | 54 – 74 | (7.4 – 10.2) |
| | 16 | 1.50 | 83 – 116 | (11.5 – 16) |
| | 18 | 1.50 | 123 – 166 | (17 – 23) |
| | 20 | 1.50 | 166 – 239 | (23 – 33) |

H1 Wiring Diagram

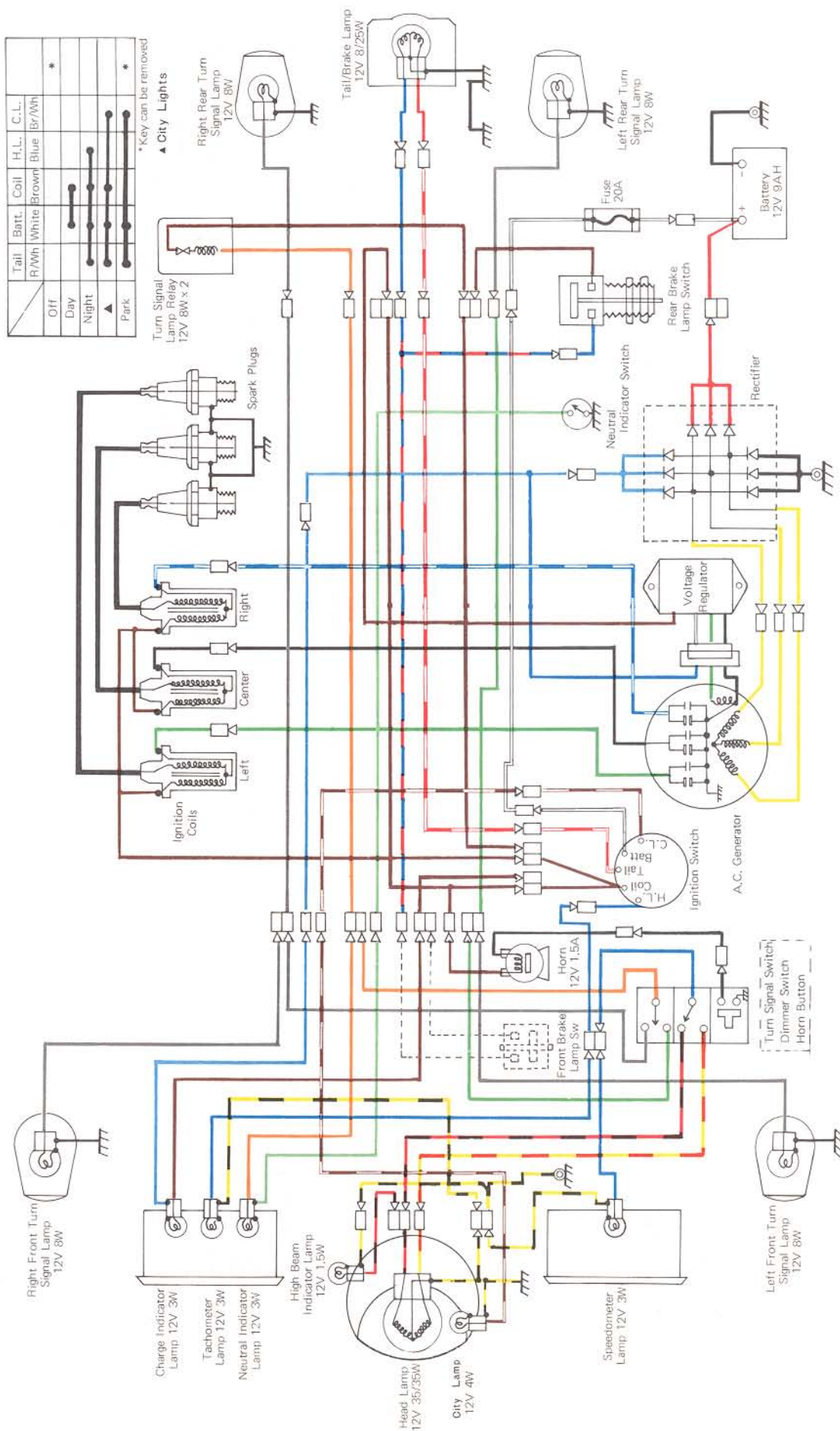
CDI Model



H1 Wiring Diagram

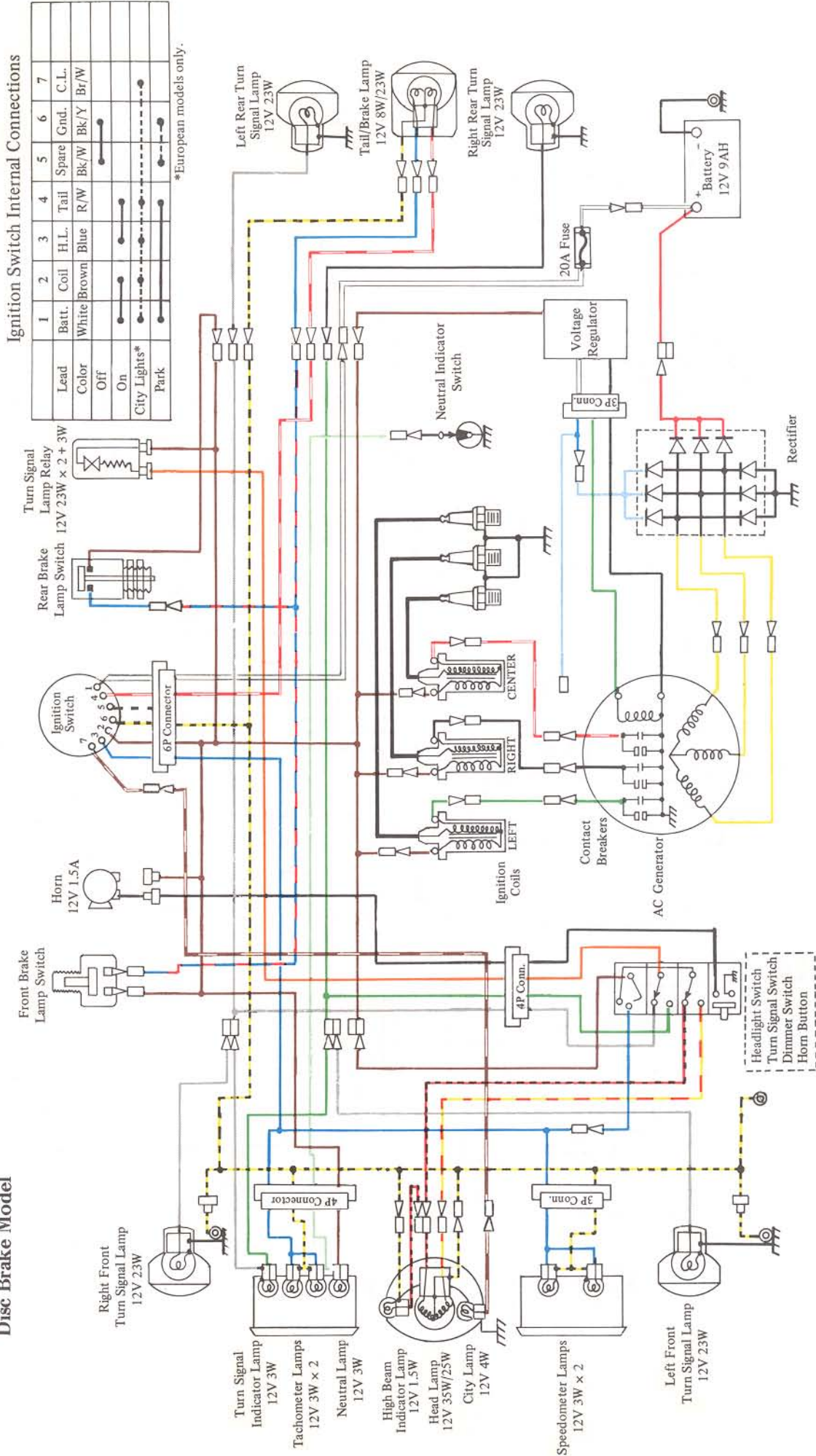
European Model, through 1971

Ignition Switch Connections



H1 Wiring Diagram

Disc Brake Model



H2 Wiring Diagram

