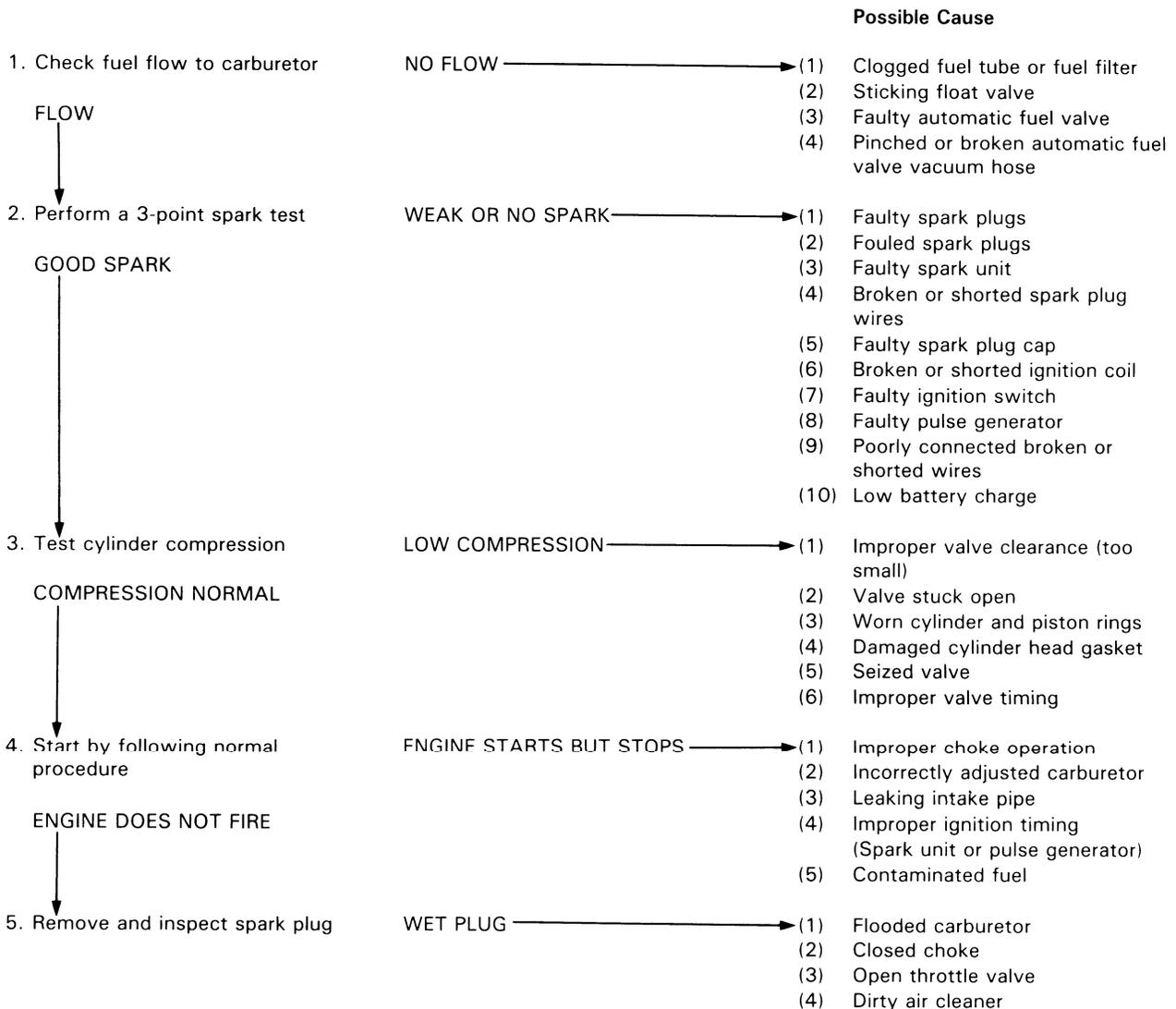


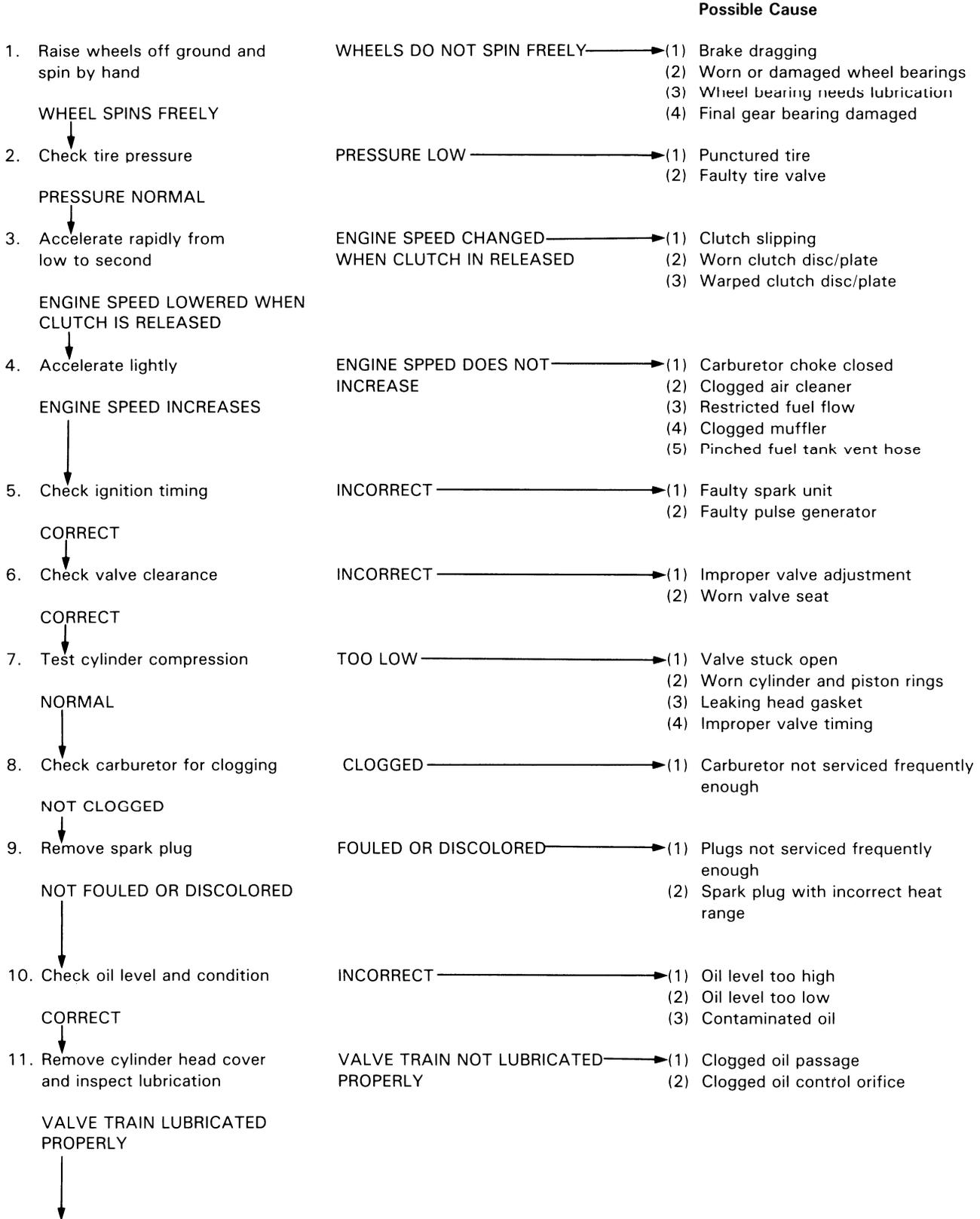
21. TROUBLESHOOTING

| | | | |
|--|-------------|---|-------------|
| ENGINE DOES NOT START OR IS HARD TO START | 21-1 | POOR HANDLING | 21-4 |
| ENGINE LACKS POWER | 21-2 | UNDERCHARGED/OVERCHARGED BATTERY | 21-4 |
| POOR PERFORMANCE AT LOW AND IDLE SPEEDS | 21-3 | WEAK OR NO SPARK | 21-5 |
| POOR PERFORMANCE AT HIGH SPEEDS | 21-3 | | |

ENGINE DOES NOT START OR IS HARD TO START



ENGINE LACKS POWER



12. Check for engine overheating

OVERHEATING

- ➔ (1) Excessive carbon build-up in combustion chamber
- (2) Use of poor quality fuel
- (3) Clutch slipping

NOT OVERHEATING

13. Accelerate or run at high speed

ENGINE KNOCKS

- ➔ (1) Worn piston and cylinder
- (2) Wrong type of fuel
- (3) Excessive carbon build-up in combustion chamber
- (4) Ignition timing too advanced (Faulty spark unit)

ENGINE DOES NOT KNOCK

POOR PERFORMANCE AT LOW AND IDLE SPEEDS

Possible Cause

1. Check ignition timing and valve clearance

INCORRECT

- ➔ (1) Improper valve clearance
- (2) Improper ignition timing (Faulty spark unit)

CORRECT

2. Check carburetor pilot screw adjustment

INCORRECT

➔ See Fuel System Section

CORRECT

3. Check for leaking intake pipe

LEAKING

- ➔ (1) Deteriorated insulator O-ring
- (2) Loose carburetor

NO LEAK

4. Perform spark test

WEAK OR INTERMITTENT SPARK

- ➔ (1) Faulty, carbon or wet fouled spark plug
- (2) Faulty spark unit
- (3) Faulty ignition coil

GOOD SPARK

POOR PERFORMANCE AT HIGH SPEEDS

1. Check ignition timing and valve clearance

INCORRECT

- ➔ (1) Improper valve clearance
- (2) Faulty spark unit
- (3) Faulty pulse generator

CORRECT

2. Disconnect fuel tube at carburetor

FUEL FLOW RESTRICTED

- ➔ (1) Leak of fuel in tank
- (2) Clogged fuel line
- (3) Clogged fuel tank breather hole
- (4) Clogged fuel valve
- (5) Faulty automatic fuel valve
- (6) Clogged automatic fuel valve vacuum hose

FUEL FLOWS FREELY

3. Remove carburetor and check for clogged jet

CLOGGED

➔ Clean

NO CLOGGED JETS

4. Check valve timing

INCORRECT

➔ Cam sprocket not installed properly

CORRECT

5. Check valve spring testion

WEAK

➔ Faulty spring

NOT WEAKENED

TROUBLESHOOTING

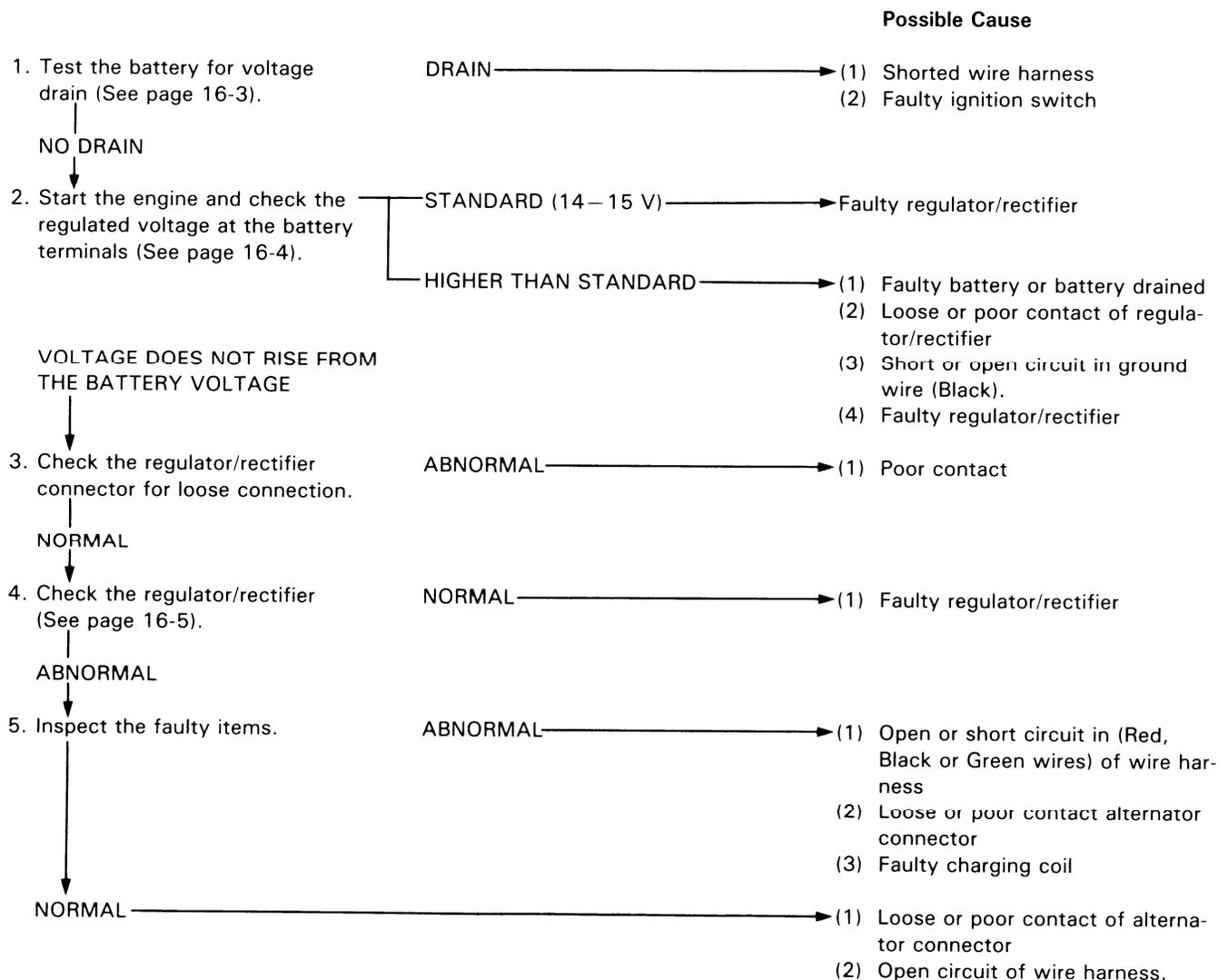
POOR HANDLING

Check tire pressure

1. If steering is heavy →
 - (1) Steering top thread nut too tight
 - (2) Damaged steering head bearings
2. If either wheel is wobbling →
 - (1) Excessive wheel bearing play
 - (2) Bent rim
 - (3) Improperly installed wheel hub
 - (4) Swingarm pivot bearing excessively worn
 - (5) Bent frame
 - (6) Swingarm pivot adjusting bolt too tight
3. If the motorcycle pulls to one side →
 - (1) Faulty shock absorber
 - (2) Front and rear wheels not aligned
 - (3) Bent fork
 - (4) Bent swingarm

UNDERCHARGED/OVERCHARGED BATTERY

NOTE: Make sure that the battery is in good condition, use a known-good battery if necessary.



WEAK OR NO SPARK

Probable cause

