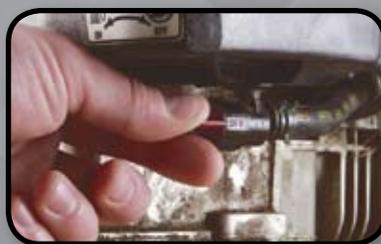
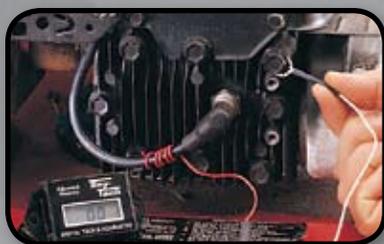




Customer Education

TROUBLESHOOTING FLOW CHARTS





Bowl Style Carburetor Troubleshooting

Hunts and Surges
Will Run only on Prime
Will run only if the choke is used

Determine that the governor system is functioning properly using the proper isolation techniques

Does the engine still hunt and surge?

No

Troubleshoot governor system

Yes

Partially engage choke or gently touch primer bulb

Does the engine improve?

Yes

Inspect, clean or replace mainjet and retest

Does the engine still hunt and surge?

No

Done!

No

Remove and clean carburetor, retest engine

Yes

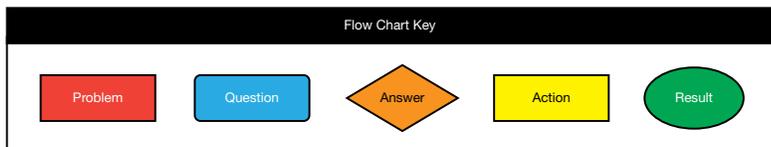
Does the engine still hunt and surge?

Yes

Replace Carburetor

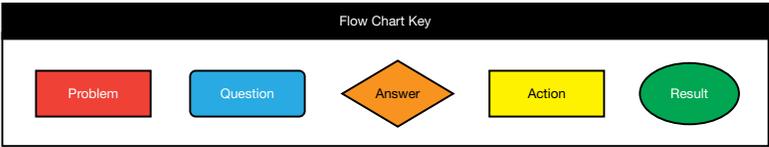
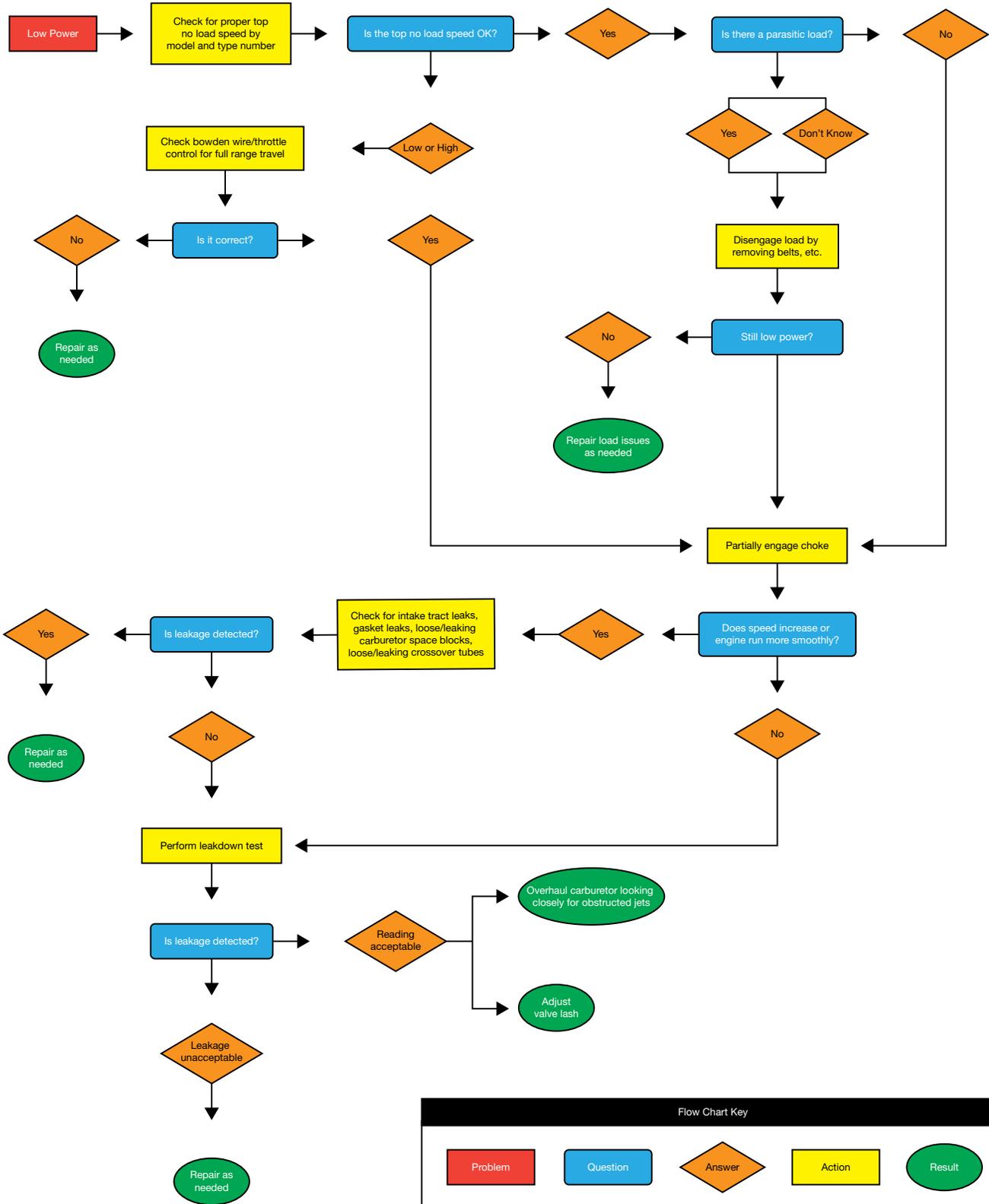
No

Done!



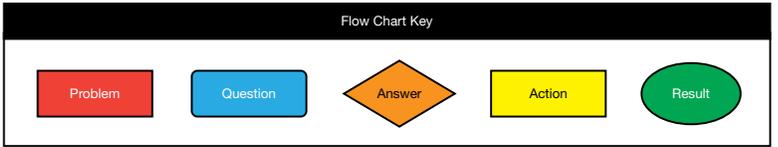
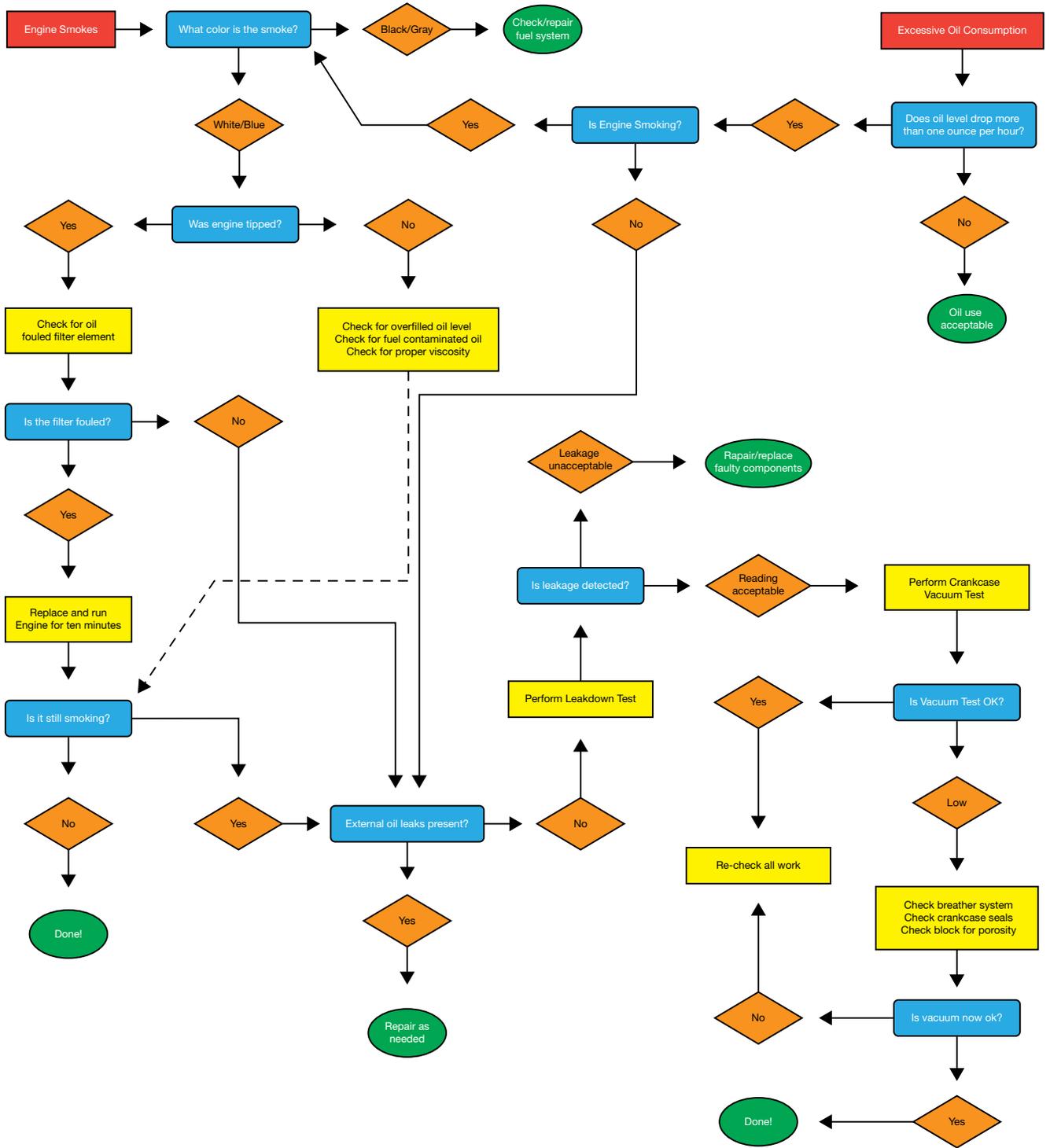


Compression Diagnostics Troubleshooting Flow Chart



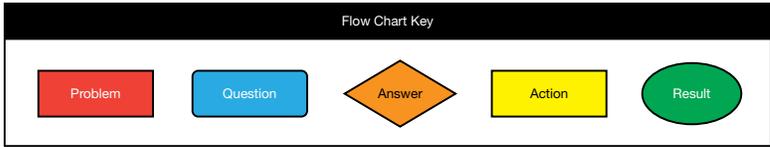
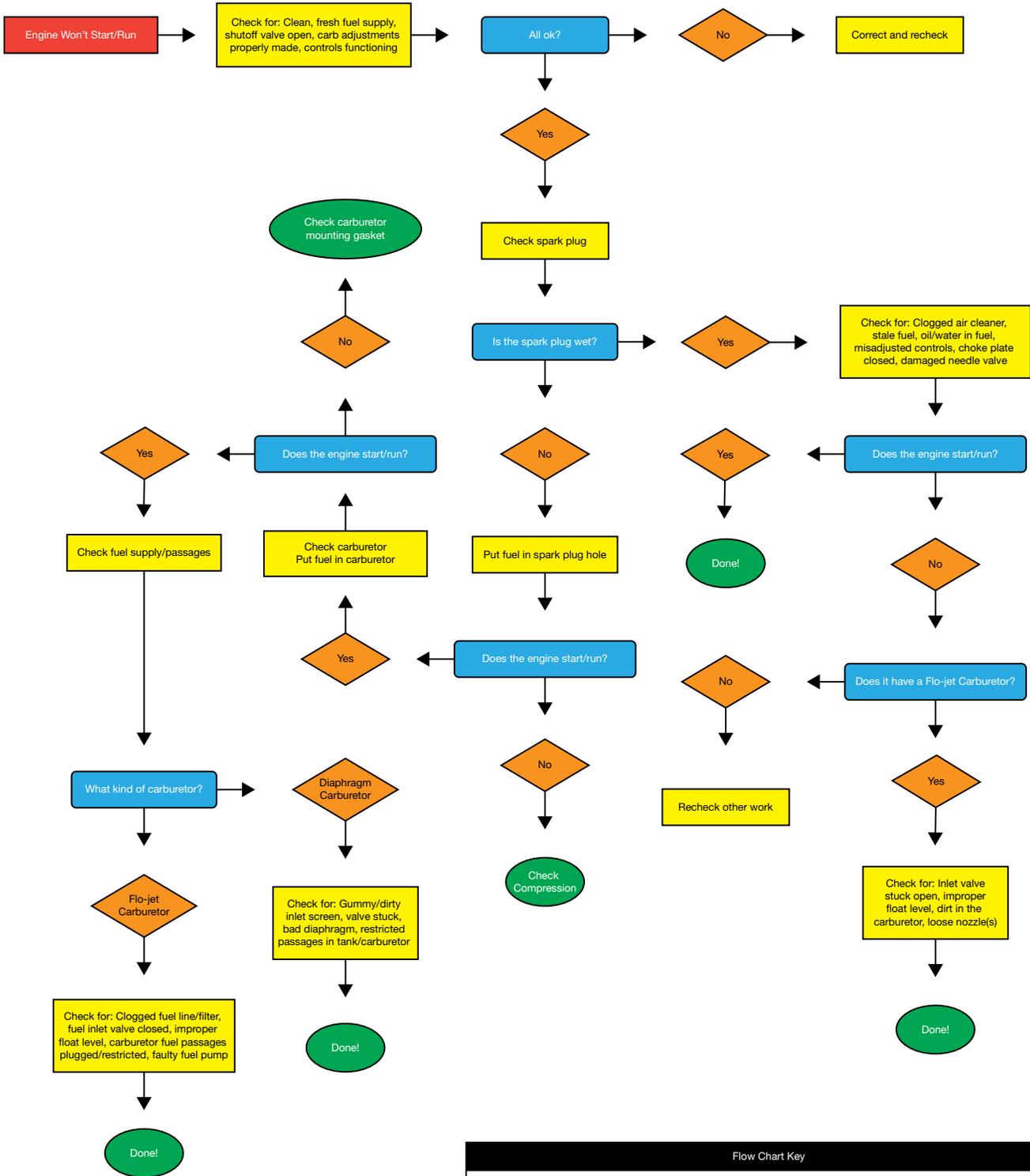


Compression Troubleshooting Flow Chart



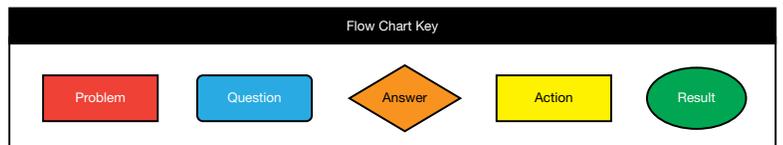
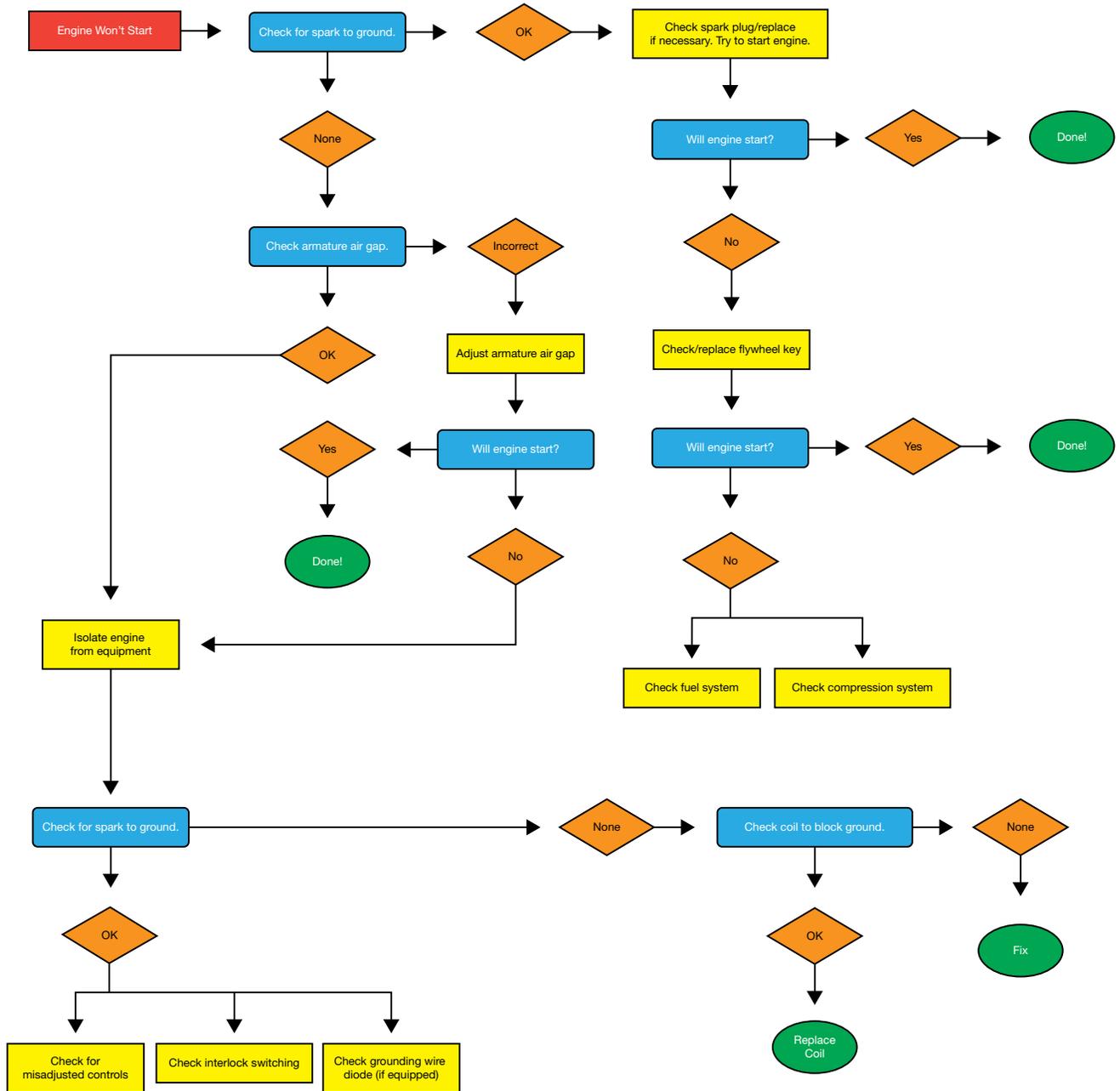


Fuel System Troubleshooting Flow Chart





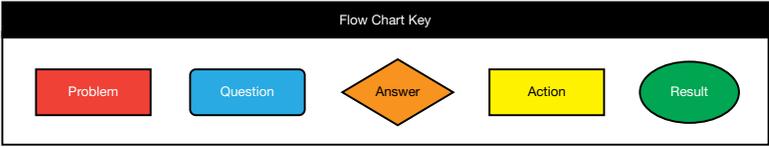
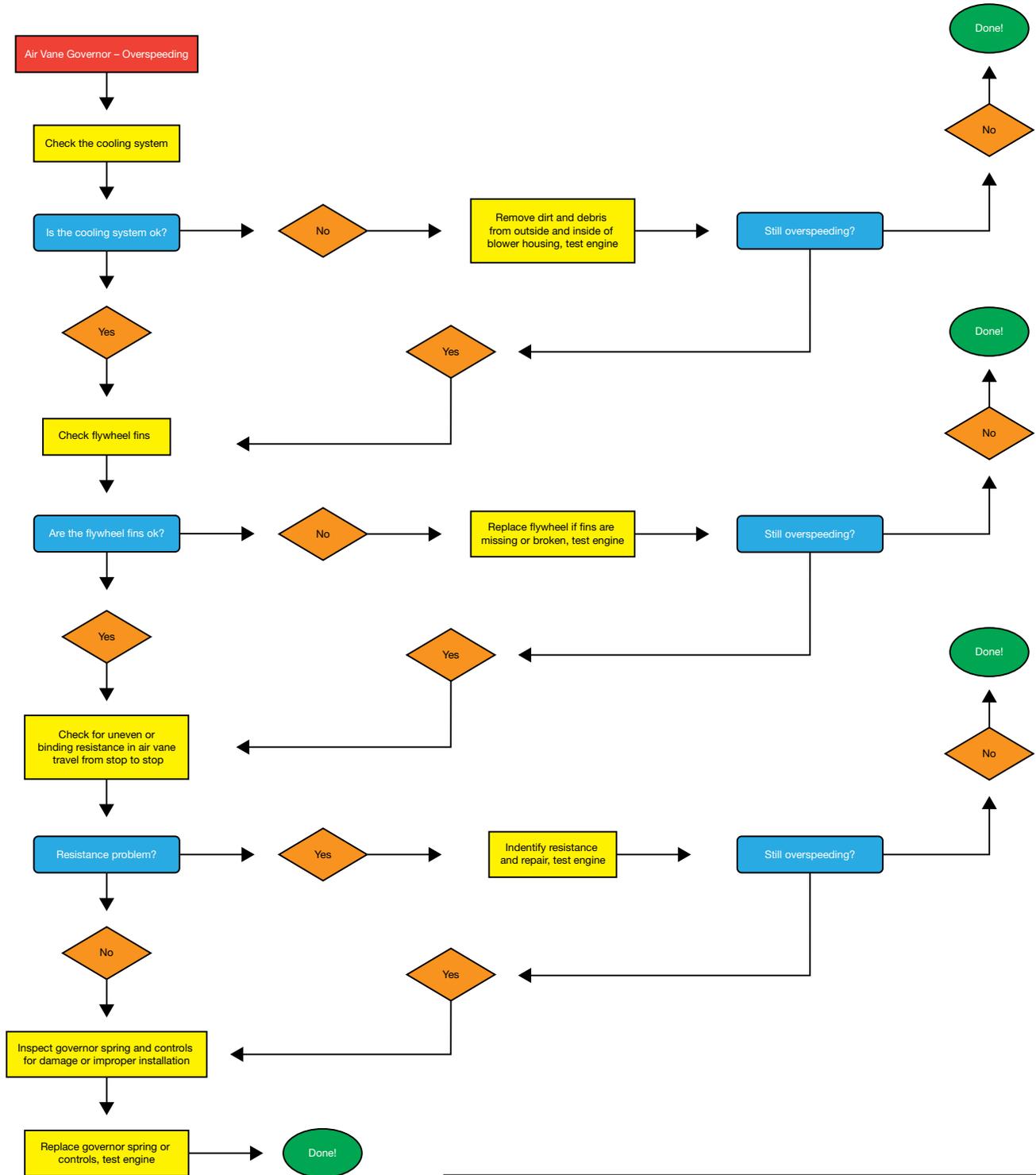
Systematic Troubleshooting Electrical System Flow Chart





Governor Troubleshooting Flow Chart

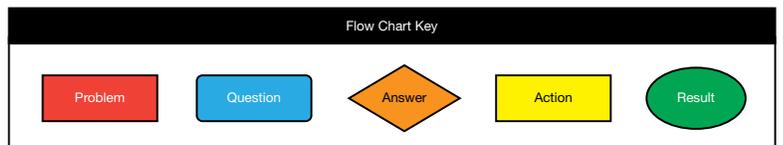
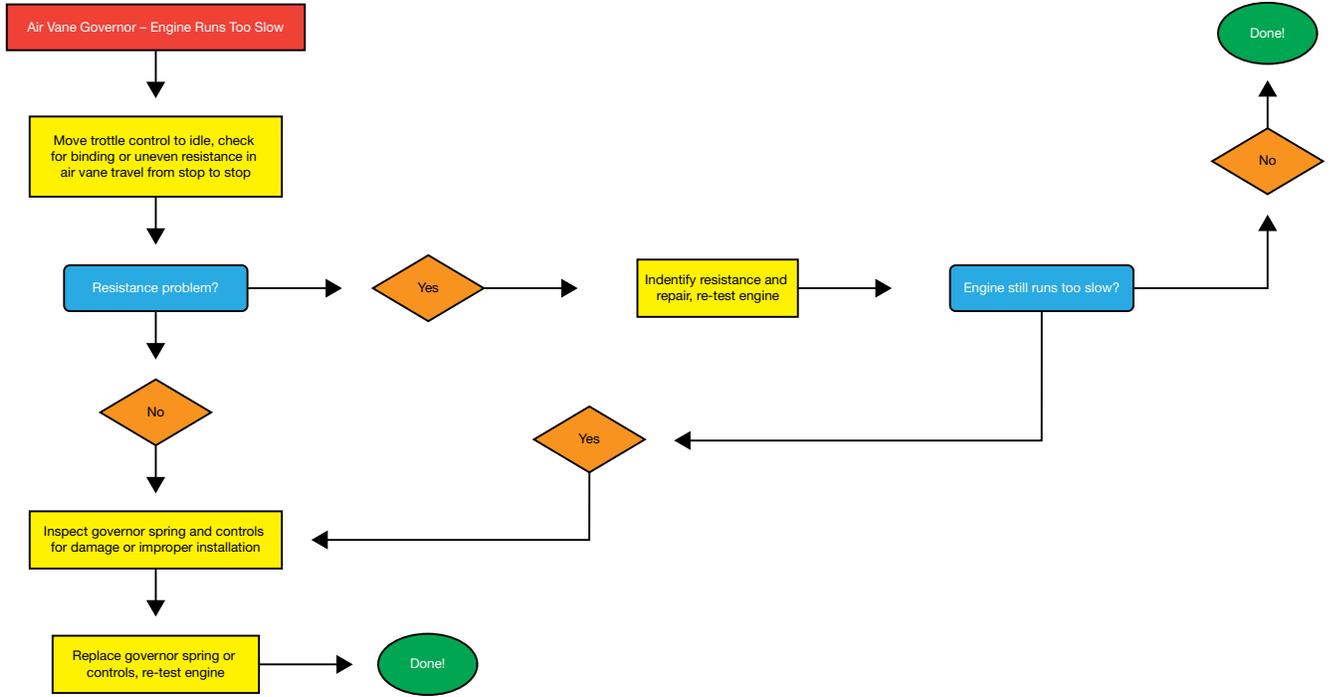
Air Vane Governor – Overspeeding





Governor Troubleshooting Flow Chart

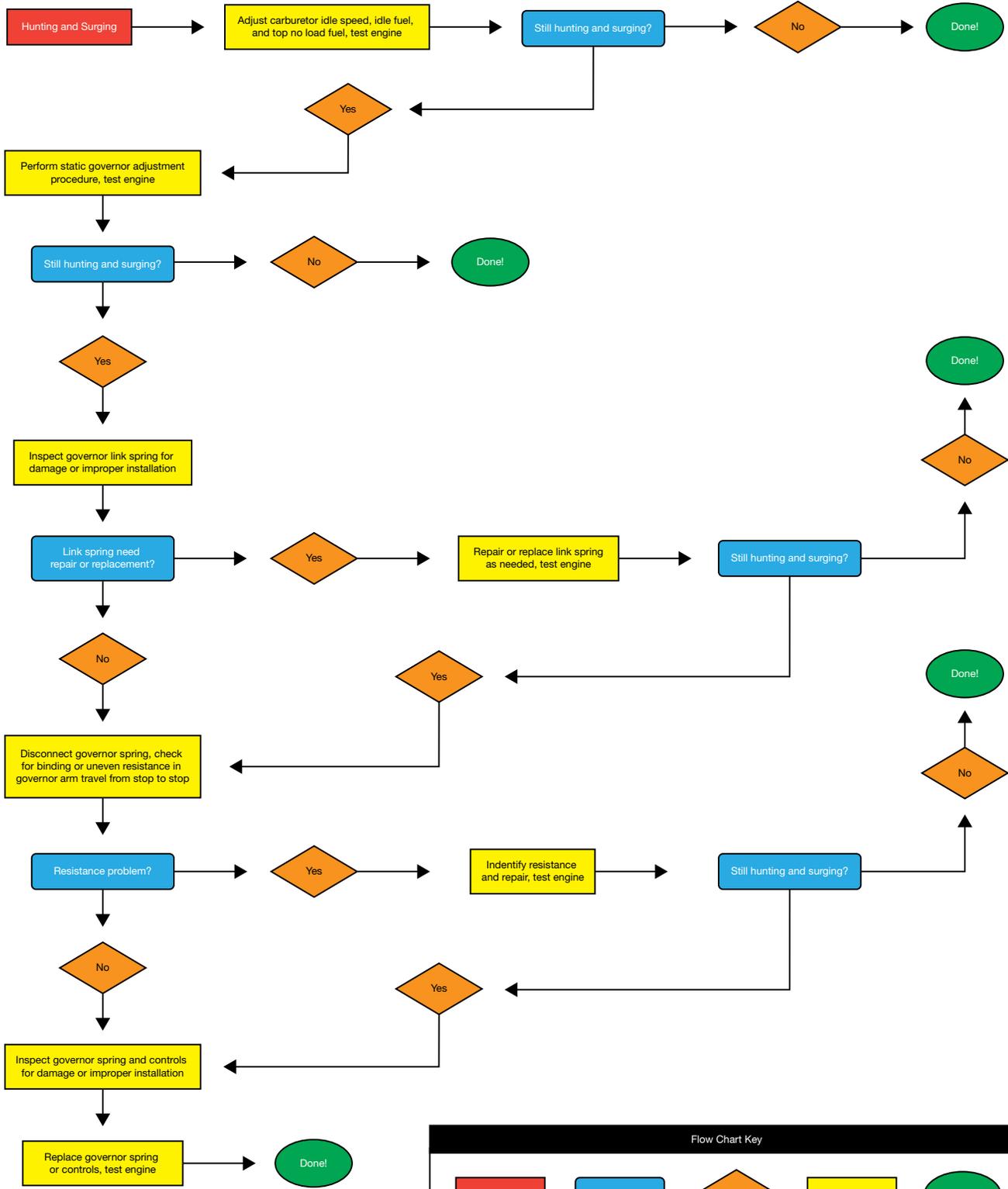
Air Vane Governor – Engine Runs Too Slow





Governor Troubleshooting Flow Chart

Hunting and Surging



Flow Chart Key

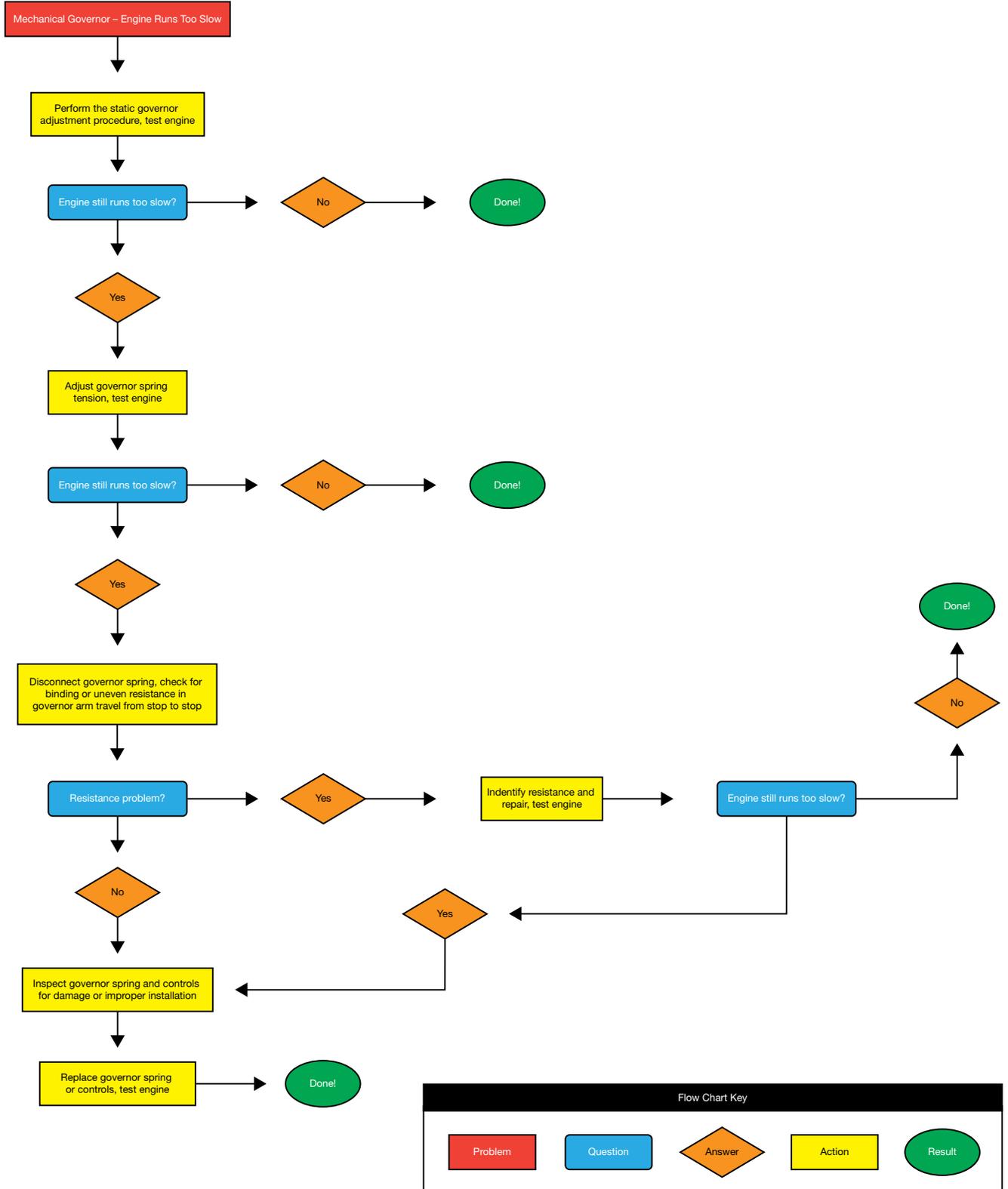
Problem	Question	Answer	Action	Result
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Governor Troubleshooting Flow Chart

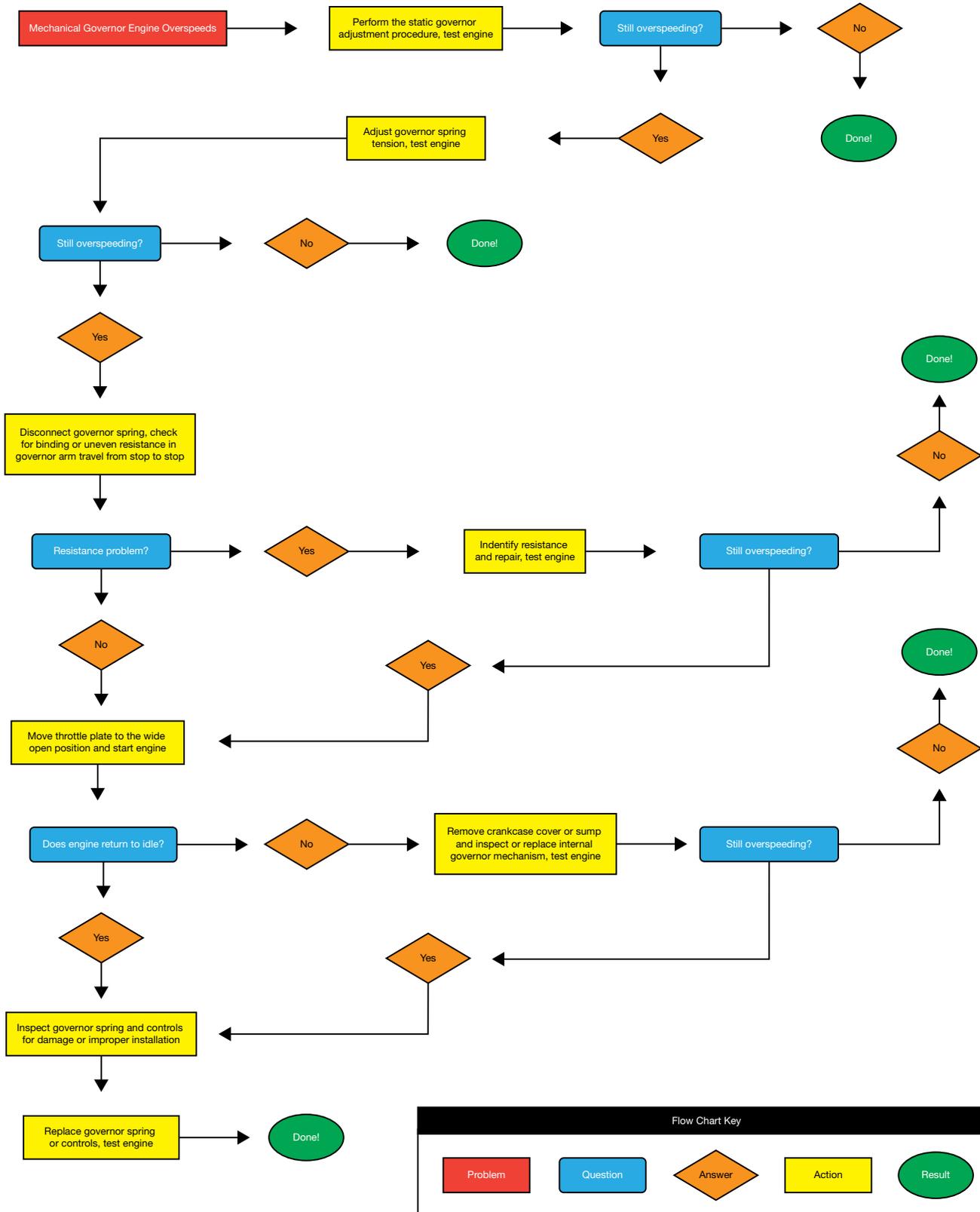
Mechanical Governor – Engine Runs Too Slow





Governor Troubleshooting Flow Chart

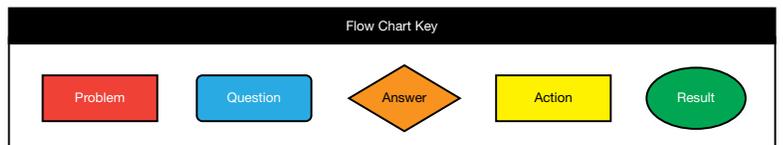
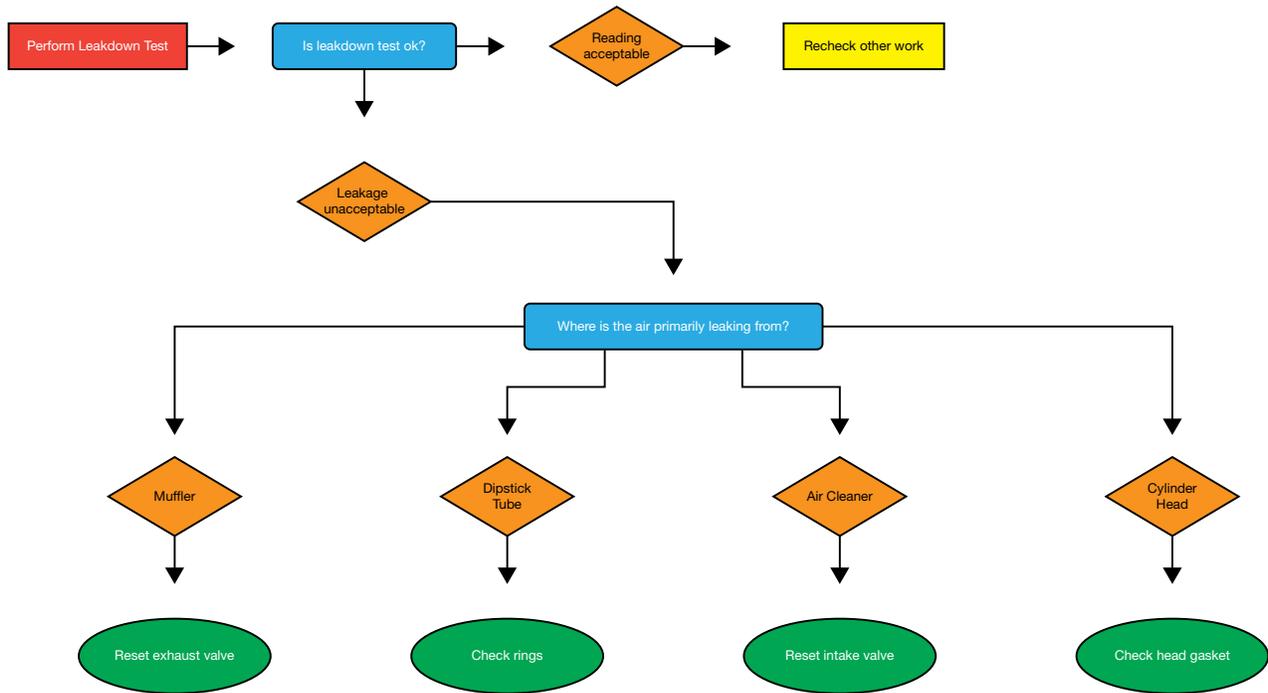
Mechanical Governor Engine Overspeeds





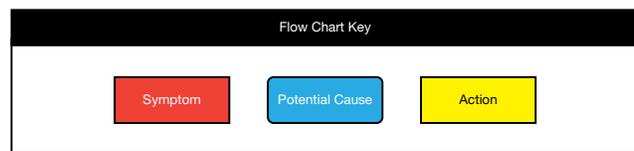
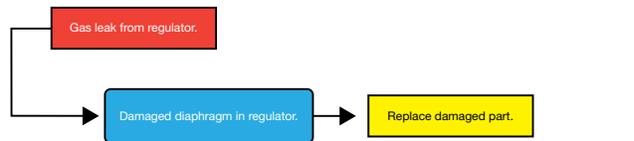
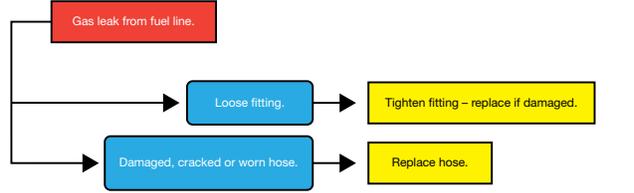
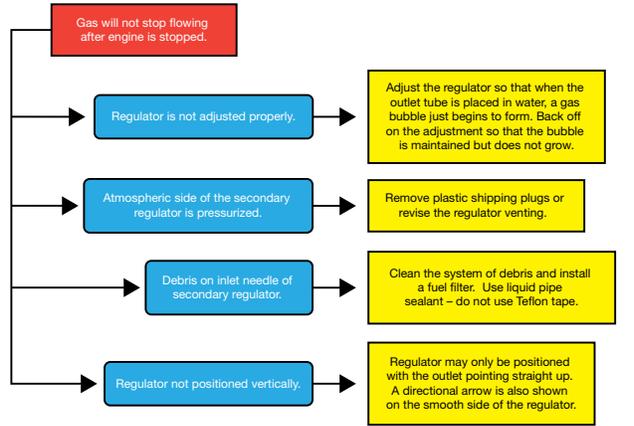
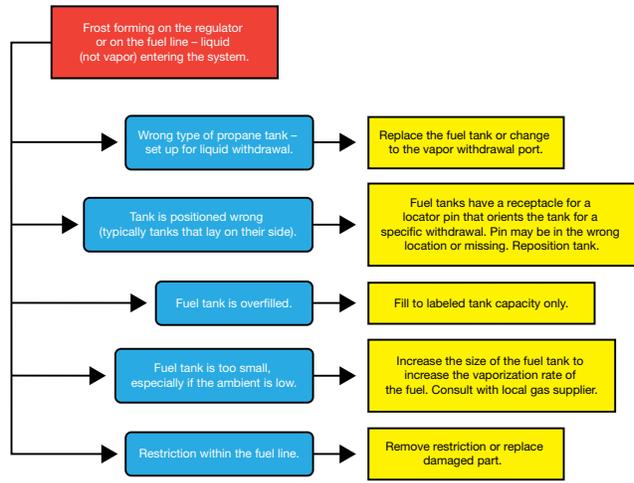
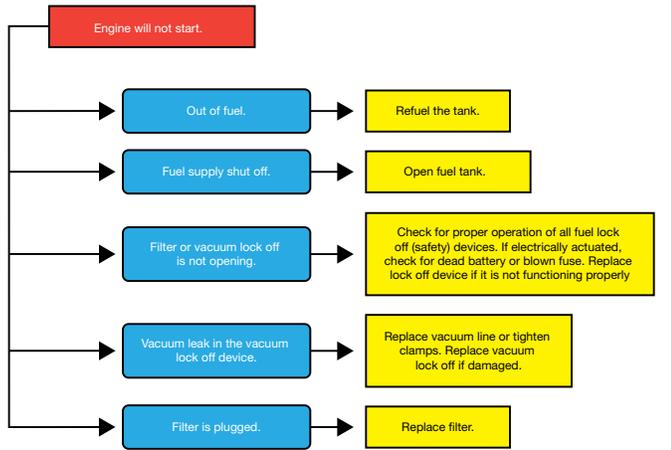
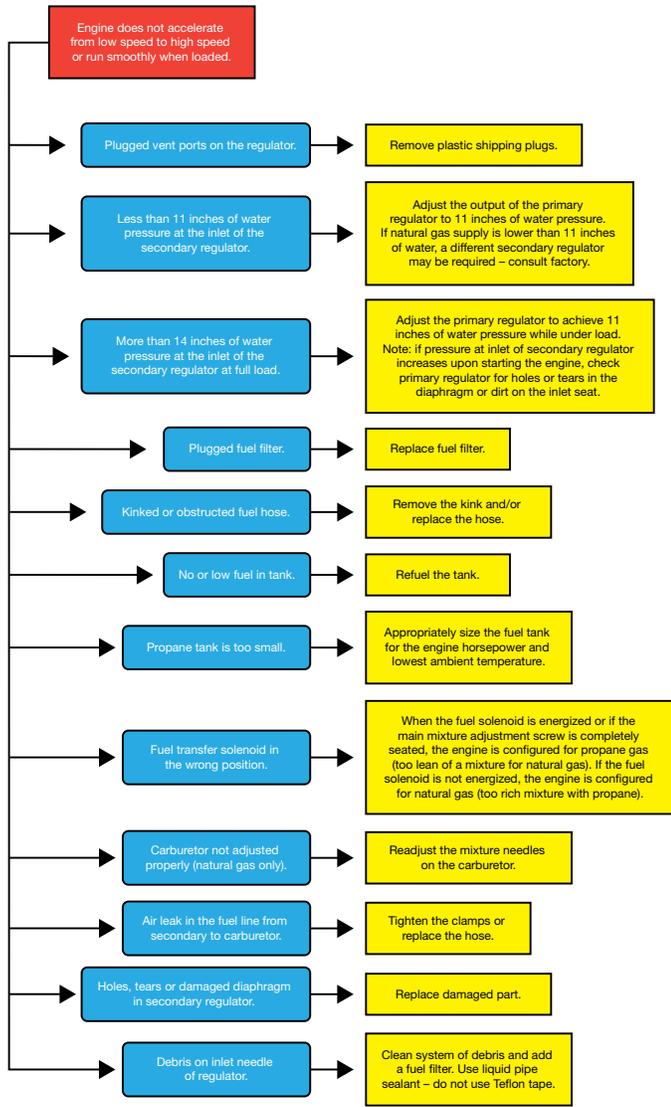
Compression System Troubleshooting Flow Chart

Leakdown Test





Gaseous Fueled Engine Troubleshooting





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