## TROUBLE SHOOTING DIAPHRAGM CARBURETOR PROBLEMS

## Engine problems that can be mistaken for carburetor problems

Image: state of the state of	Performance problem								
passage     Image: Construction of the system of the syste	Inspect possible fault						•		
Faulty ignition switch / module Image   Throttle linkage binding Image			$\bullet$		$\bullet$			$\bullet$	
Faulty ignition switch / module Image   Throttle linkage binding Image		Air filter restricted (dirt / fuel)							
Faulty ignition switch / module Image   Throttle linkage binding Image		Fuel line leakage							
Faulty ignition switch / module Image   Throttle linkage binding Image		Piston/cylinder damaged or scuffed	lacksquare		$\bullet$		$\bullet$	$\bullet$	
Faulty ignition switch / module Image   Throttle linkage binding Image		Restricted muffler							
Faulty ignition switch / module Image   Throttle linkage binding Image		Dirt in fuel system / old fuel							
Faulty ignition switch / module Image   Throttle linkage binding Image		Dirty / fouled spark plug							
Faulty ignition switch / module Image   Throttle linkage binding Image		Fuel tank vent open or restricted							
		Faulty ignition switch / module							
High engine friction or load $igodoldsymbol{\Theta}$		Throttle linkage binding							
		High engine friction or load							

Chart I

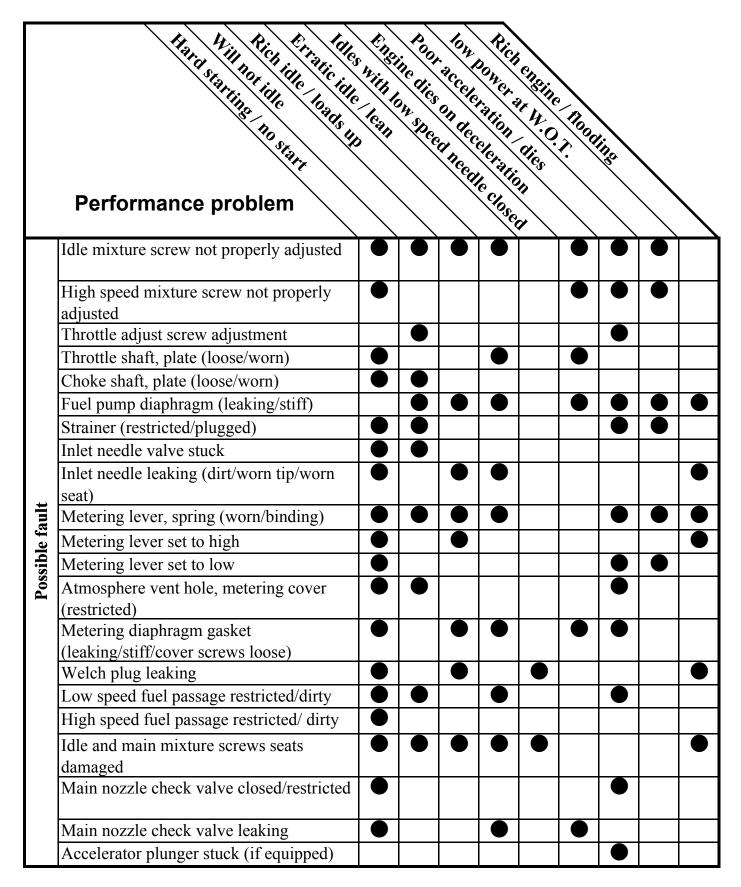
This section describes the procedure recommended to properly diagnose a Zama diaphragm carburetor problem on a two-cycle engine.

If you have an engine performance problem and suspect the carburetor the first thing that must be done is to confirm that you actually have a carburetor problem. Above is a trouble-shooting guide that can help you diagnose engine problems that can often be mistaken for the carburetor. We will assume you have confirmed the following items and inspected all the possible faults as specified in chart 1.

Common things to check that can effect carburetor performance.

- Engine compression and crankcase vacuum are to manufacturers specs.
- Good ignition system and spark plug.
- Crankcase pulse passage is clear.
- · Carburetor and manifold bolts are tight.
- Low speed and high-speed enrichment needles are adjusted to manufacturers recommendations.
- Idle speed screw is adjusted to manufacturers recommended idle speed.

## Carburetor related problems trouble shooting guide



After ruling out any engine related performance problems use chart 2 to help determine the fault for the carburetors malfunction.

If the diagnoses result in action that involves repair of the carburetor then follow the disassembly and service instructions on the subsequent pages.