



# TECH TIPS

<b>Dixie Part Numbers:</b>	MS-676	MS-6008	MS-6009	MS-6010
	MS-6011	206-03104	206-03108	206-03109
	206-03115	206-07102	206-07122	206-07103
	206-07117	213-10101	213-10701	213-10702
	213-10801			

**Applications:** Various Lawn, Garden and Other Equipment

**Condition:** The operator of the vehicle may complain that the engine fails to start or cranks laboriously and slow. The technician may note that the gas motor seems to be fine (compression, fuel delivery and spark are all there) and that the battery, wiring and starter all seem to be in proper working order. Replacing the starter has no effect.

**Cause:** Two possible causes for the above condition are:

- A damaged flywheel key way. This will result in premature ignition.
- Improperly adjusted valves. There is a decompression feature built into some camshafts that allows the starter to crank the engine with the valves partially open and upon starting the push-rod clearance changes allowing the valves to completely close.



**Correction:** Verify what the cause is by performing the following:

- Inspect the keyway on the flywheel for damage, and replace it if required.
- Inspect the valve clearance and ensure that it is within the manufacturer's tolerances.