



# 2019 MODIFIED HYBRID MOTOR

## RULES AND SPECIFICATIONS

### COMPRESSION

- Hybrid Dart Head Motor 11 : 1.
- A hole must be drilled in the bell housing in order to turn the engine over to check compression.

### VALVES

- Dart Head must use 11/32" valves.
- Intake—Manley # 11544-8, intake diameter 1.600.
- Exhaust – Manley # 11865-8, exhaust diameter 1.600.
- Roller cam allowed 0.700 maximum lift at the valve.
- Firing order 18436572. MUST be maintained.
- NO roller bearings.

### CYLINDER HEADS

- Dart cylinder head # 1031001P only.
- **Must follow Head rules for Spec Motor. Refer to Spec Motor rules.**
- **Head surface may be milled for compression ratio only. No angle milling.**
- No Epoxy or welding in ports.
- No offset head dowel pins allowed.
- Cylinder head design *must* be stock.

### INTAKE MANIFOLD

- Edelbrock #7501 with a 1" spacer will be the only manifold permitted. Flat top and bottom. NOTHING PROTRUDING INTO THE INTAKE AND NOTHING INTO THE CARBURETOR.
- **Manifold must be used as delivered out of the box.** Intake gasket surfaces may be milled for port alignment, bolt holes may be slotted.

**ANY MOTOR DOMINANT OVER THE SPEC MOTOR WILL BE RESTRICTED BY A HEAVIER CLUTCH, RESTRICTOR PLATES, ETC.**

The Spec Motor sets the standard for performance.

THESE ARE THE GENERAL GUIDELINES FOR HYBRID MOTORS. IF THESE RULES DO NOT CLEARLY STATE SOMETHING IS LEGAL, ASSUME IT IS NOT PERMITTED.

ANY QUESTIONS CALL 732-681-6400.

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