

Reher-Morrison RACING ENGINES

632 All Aluminum-12° BBC (w/Dry Sump)

ENGINE SPECIFICATIONS	
Carburetor	87-90 Square jetting (Most engines come off the dyno with these jets. Re-jet as required for your location and weather conditions). Go 4 to 7 numbers bigger w/Q-16.
Converter	6000-6300 RPM Stall speed (Call RMRE's Parts Department. They can assist you in purchasing the ideal torque converter for your engine and car combination).
Distributor - (Information @ right pertains to crank trigger systems)	If connecting to a MSD ignition box: Normally connect the purple wire to Mag(+) terminal and green wire to Mag(-) terminal. Check at IDLE ONLY with a timing light. If light fires when magnet is AT the transducer...OK. If light fires BEFORE the magnet reaches the transducer...REVERSE the wiring.
Fuel (Gasoline)	VP Racing Fuels C-15 or equivalent (7-9 PSI fuel to the carburetor).
Headers	2-3/8" Primary tubes or 2 1/4" to 2 1/2" step (28-32" long) w/4 1/2" collector (12" long).
Oil	We suggest a good quality 10W-30 synthetic racing engine oil.
Oil Pan (Dry Sump)	If unfamiliar with dry sump systems, please call our Parts Department for assistance in determining the correct amount of oil for your engine.
Rings	2 piece Zero Gap top rings are gapped @ .025" minimum/2nd rings are gapped @ .030".
Spark Plugs	Gapped @ .025-.035".
Timing, Cam	Cam phased in the engine 2-3° advanced (114-115° Intake centerline).
Timing, Ignition	28-30° Total (More than 30° not recommended). If running Q-16 add (.5°) timing.
Valve Lash	.021" Intake/.021" Exhaust (HOT!) 130°F
TORQUE SPECIFICATIONS	
Cam Bolts	For belt drive 25 Ft.Lbs. w/Loctite (1). Center bolt left hand thread 70 Ft.Lbs. w/Loctite (1)
Rod Bolts	Rod & bolt options vary. Call our tech dept. for specific torque & lube information.
Main Studs	Studs: Straight 95 Ft.Lbs.; Angle 85 Ft.Lbs. w/Extreme Pressure Lube #3 (5)
Head Studs (16)	Long & Under Valve Covers 70 Ft.Lbs. (Silicone under port washer). Short below exhaust port 65 Ft.Lbs. w/Extreme Pressure Lube #3 (5). Inner Valley Bolts 40-45 Ft.Lbs. w/Oil (3)
Rocker Stand Bolts	Intake open to port 55 Ft.Lbs. w/Liquid Teflon Sealant (4). Intake Blind Hole 60 Ft.Lbs. w/Oil (3). Exhaust 65Ft.Lbs. (If open to water use silicone to seal; If blind use oil (3).
Rocker Shaft Bolts	25 Ft.Lbs. w/Oil (3)
NOTES	
<p>(1) Loctite Threadlocker #271 (Red). (2) Moly Assembly Lube (MoS₂ molybdenum disulfide). Available from our Parts Department in 2oz. Pkgs. (P/N 99002-1) (3) Recommend using Non-Synthetic 50W Motor Oil for best torque results. (4) PST Pipe Sealant w/PTFE is available from our Parts Department in 50ml. tubes. (P/N 592) (5) Extreme Pressure Lube #3. Available from our Parts Department in 4oz. Tubes (P/N 909-002)</p>	