

# 355 ci Holden S.S-1 Single Throttle Body EFI Engine.

## ENGINE FEATURES

- Heads ported to our S.T-3 level flowing over 500bhp potential. 1.94" intake and 1.6" exhaust valves. Fitted with bronze valve guides, 3 angle valve seats, chambers equalised. New LT-1 valve springs fitted to suit the camshaft grind used in this combo. Stock rocker gear is used in this combination and is more than adequate for the application.
- Your original 304-308 block is bored and torque plate honed. Decks are machined to square, main tunnels are Sunnen line honed. New cam bearings and brass welsh plugs fitted. Oiling system is modified to promote increased oil pressure at idle. New High volume cast iron oil pump is fitted along with with Rollmaster timing chain and gear set, a new COME cam part # CSBH-462 and lifters. Block is clearanced to accept our Stroker crank rod and piston kit.
- Your engine is fitted with our new 355 Nodular billet Stroker crankshaft, our new 5140 steel "I" beam 5.7" length conrods, H.D rod bolts and new cast alloy Stroker pistons. The entire assembly is dynamically balanced and fitted with new harmonic balancer.
- Engine fully assembled with new King rod and main bearings. ACL gasket set, moly piston rings.
- Your original fuel injectors are ultrasonically cleaned and flow matched. The complete engine is Dyno run in and all computer programming is done in "real time" to suit your specific engine. No further tuning is necessary.
- This engine combo is based on you supplying your original 5 litre EFI engine complete for us to build to S.S-1 specs. Power output is 245KW or 325BHP and 395ft.lbs torque in a great drive every day package that still achieves very reasonable fuel economy potential, driven sensibly.
- A typical VN-VS Commodore with this engine should have the best possible exhaust system fitted including extractors and either a twin cat or top flowing single system to maximise results. Auto trans. Cars would benefit from a diff ratio upgrade to 3.45 or lower and a small 2500 Hi stall converter. These changes are only required for those wishing to maximise acceleration and for a true daily driver are not really essential. The stock converter and diff ratio will in most cases be fine.
- Performance potential is easily mid 13's to high 12's over the ¼ mile with the gearing and converter upgrades. The final result will depend on the car model and hence weight of car.
- Note that this same engine fitted with our new Dual 58mm Throttle body intake manifold will produce 380BHP or over 280 KW.

### **COMPONENT LIST**

The above engine can be built by any do it your selfers with greater ease by ordering the following components from COME RACING.

- Changeover S.T-3 heads for VN-VS models.
- Changeover 355ci short block Holden V8 cast piston version, unassembled. (you supply your block for machining)
- Or, 355ci Stroker, crank, rod and cast piston kit (fully balanced)
- 245KW cam, lifters and matching changeover chip package.