

304 ci Holden S.T-1 Single Throttle Body EFI Engine.

ENGINE FEATURES

- Heads are fully rebuilt with original 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 to new main tunnels. 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-266 and lifters.
- Your original crankshaft is Blueprint ground, oil holes radiused and journals micropolished for minimum friction. Your conrods are resized and fitted with new heavy duty rod bolts and the entire assembly is dynamically balanced with new ACL or equivalent dish top pistons.
- 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.T-1 specs. Power output is 205KW and 320ft.lbs torque in a great drive every day package that achieves excellent fuel economy potential.
- 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. This combination works perfectly well with stock diff ratio and torque converters.
- Performance potential is easily mid to high 14's over the ¼ mile. The final result will depend on the car model and hence weight of car.
- See our price list for details of more powerful 5 litre S.T-2 engine or 355 and 383 Stroker combinations for those wanting greater performance levels in daily driveable combinations.

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, cam, lifters and matching chip.
- Changeover short block Holden V8 dished piston version, unassembled.

