

LT5 Performance Upgrade Paths

Marc Haibeck

LT5 Performance Upgrade Paths

The availability of bolt on performance parts for the LT5 is quite limited:

- About four types of exhaust systems
- Engine calibration chip
- Headers
- Rear axle gears

LT5 Performance Upgrade Paths

Major Upgrades

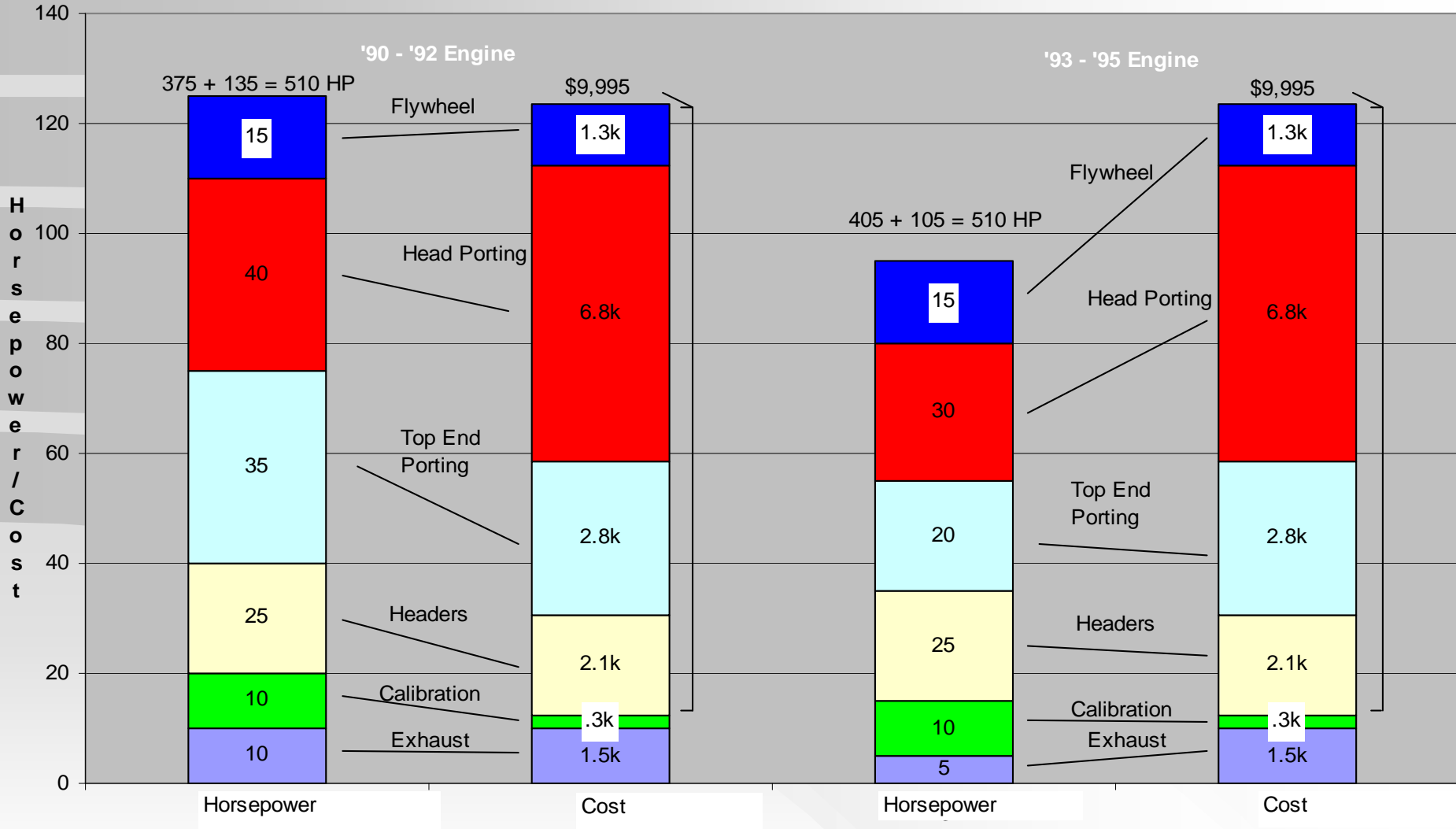
- Upgrades can be performed in a logical progression
- Or as a not so logical progression. If that's what you want.
- Or in the form of a package

LT5 Performance Upgrade Paths

Logical upgrade path for a 350 ci engine:

1. Low back pressure exhaust system. About +10 hp '90-'92. About 5 hp '93-'95.
2. Performance calibration chip. About +10 hp.
3. Gearing change. With a 4.10 ratio. 19% more torque to the wheels.
4. Headers. +25 hp.
5. Top end porting. About +35 hp '90-'92. About +20 hp '93-'95.
6. Cylinder head porting. About +40 hp '90-'92. About +30 hp '93-'95.
7. Lightweight flywheel. About +15 dynamic hp.
8. I don't recommend a camshaft upgrade for a 350

Performance Increase Verses Cost 350 Cubic Inch LT5

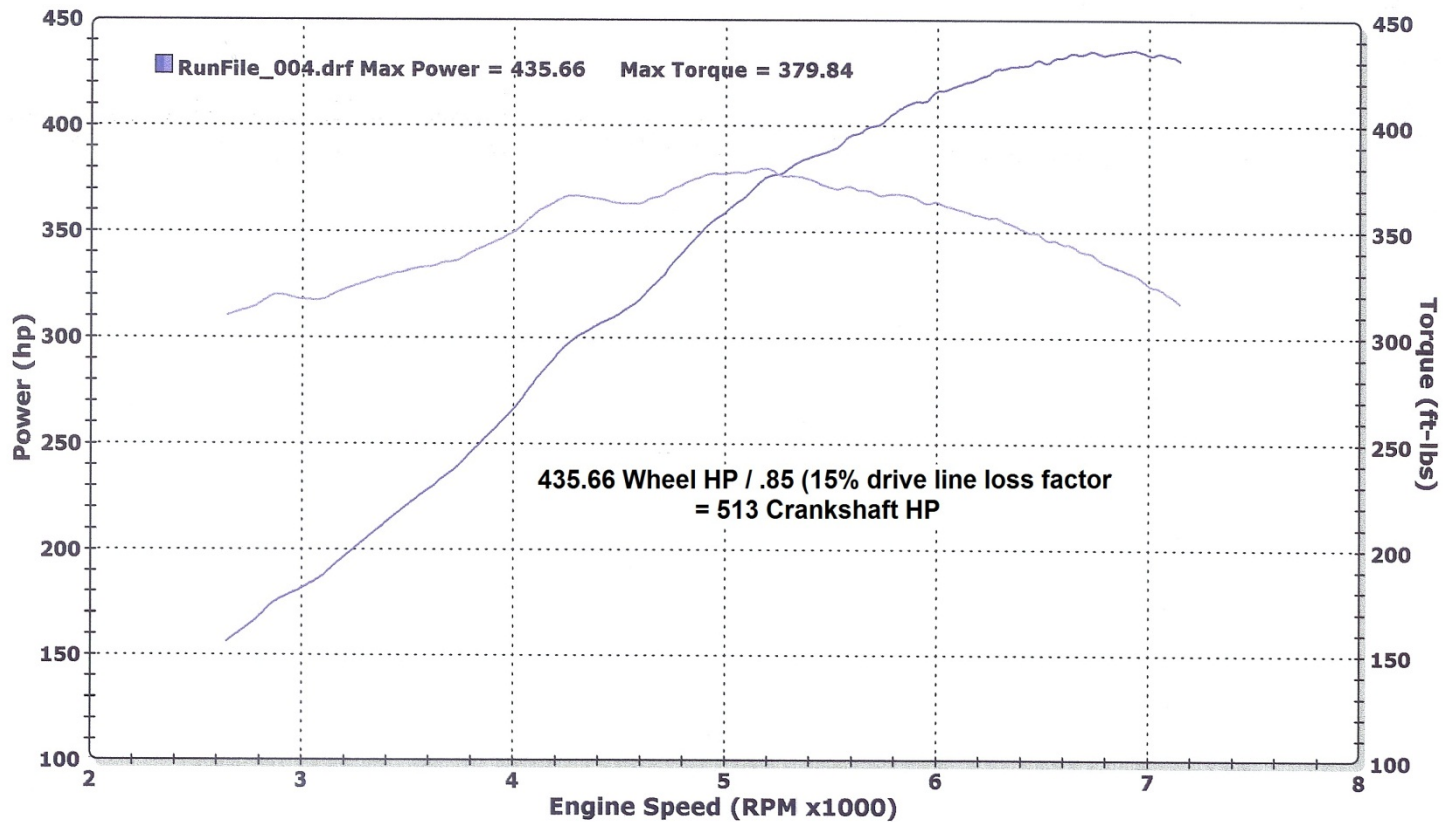


The prices in this presentation were in effect in May '2015. They may change with time.



DYNOJET Performance Evaluation Program

Haibek Automotive Technology



Scott Colliers's '91. 510 HP Engine Package. Aluminum Flywheel, B&B X-pipe and Fusion Exhaust.

RunFile_004.drf - 3/20/2014 12:50:30 PM Run Type: RO Run Conditions: 78.67 °F, 29.51 in-Hg, Humidity: 22%, SAE: 1.00
Max Power = 435.66 Max Torque = 379.84

LT5 Performance Upgrade Paths

Upgrade to a 368 ci engine

- If the starting point is a maxed out 350 with 510 hp, the added displacement will take the engine to 540 hp.

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Cost for a 368 ci engine

- Upgrade a stock 350 to a 540 hp 368. \$16,900

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LT5 Performance Upgrade Paths

The 378 ci 565 hp engine

- Offset grind the OE crankshaft to go from 3.66” to 3.76” stroke
- The performance increase comes from the increased displacement and lighter connecting rods

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LT5 Performance Upgrade Paths

Cost for a 378 ci engine

- Upgrade a stock 350 to a 565 hp 378. \$18,975

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Upgrade to a 415 ci engine

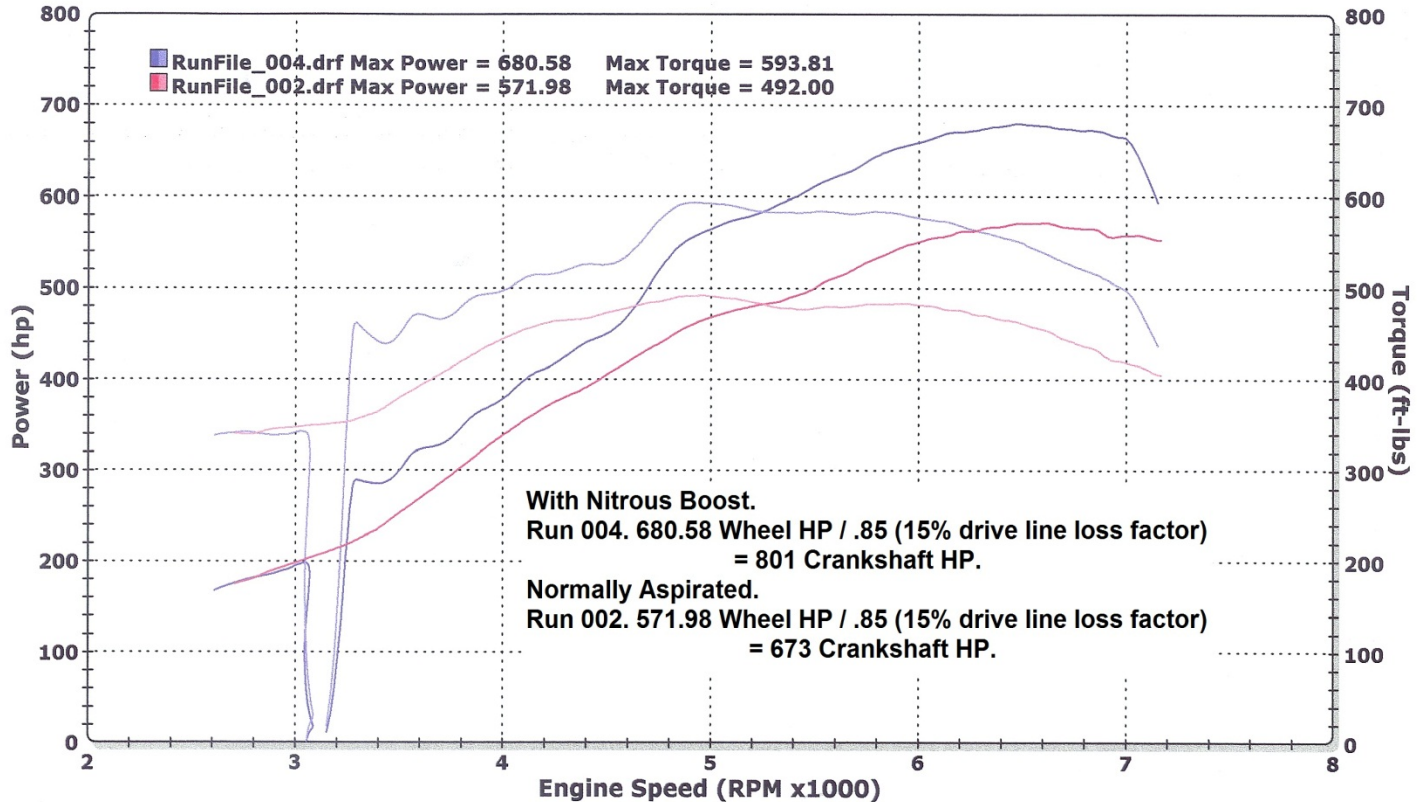
- Stock cams will provide 600 hp
- Stage I cams will add 25 hp for 625 hp
- Stage II cams will add 40 hp for 640 hp
- Stage III cams will add 50 hp for 650 hp

The camshafts are dependant on availability



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Lodell Park's '95 415 CI 650 HP Engine Package. Plus, 125 HP Wet Nitrous Oxide Injection.

- RunFile_004.drf - 11/13/2012 12:54:30 PM Run Type: RO Run Conditions: 77.63 °F, 29.94 in-Hg, Humidity: 11%, SAE: 0.98
Max Power = 680.58 Max Torque = 593.81
- RunFile_002.drf - 11/13/2012 12:16:20 PM Run Type: RO Run Conditions: 76.46 °F, 29.93 in-Hg, Humidity: 12%, SAE: 0.98
Max Power = 571.98 Max Torque = 492.00

LT5 Performance Upgrade Paths

Cost for a 415 ci engine

- Stock engine to 415 ci 600 hp. \$24,500
- Stock engine to 415 ci 625, 640 or 650 hp.
\$29,900

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www.ZR1Specialist.com

Addison, Illinois

630-458-8427

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