CUSTOM TUNING VEHICLE INFORMATION

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FORUM USERNAME [required]: OX

FULL NAME: Henry James Oxley

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POSTAL ADDRESS: 538 CHALLENGER WAY JACKSON NJ 08527

VEHICLE YR/MAKE/MODEL: 1986 MERCURY CAPRI 5.0

VEHICLE WEIGHT: 3280 lbs

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TUNE SERVICE TYPE [DYNO or ONLINE]: ONLINE

IS VEHICLE BEING DROPPED OFF FOR DYNO TUNE? [Y,N]: N

~~IF YES,~~

 ~~IS VEHICLE DRIVEABLE [Y,N]:~~

 ~~IS VEHICLE TAGGED & INSURED [Y,N]:~~

 ~~LICENSE PLATE#:~~

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HOW DID YOU HEAR ABOUT EFIDYNOTUNING ?: TUNED BEFORE

REFERRER: SELF

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PRE-TUNE CHECKLIST VERIFIED [Y,N]:Y

If NO, Verify the Pre-Tune Checklist (linked above) Before Proceeding!

IS VEHICLE 100% READY TO BE TUNED [Y,N]? Y

LIST ALL DEFICIENCIES OR PENDING WORK BELOW:

NONE

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PCM CATCH CODE: A9L

(Ex: A9L, T4M0, AMZ1, WYN4, etc...)

PCM HARDWARE CODE:



(Ex: MPC-15C, EFI-SD48B, SA112)

PCM CONTROLLED AUTO TRANS PRESENT? [Y/N]: N, MANUAL T-5

TUNING DEVICE (QH,Tweecer,Xcal,HPtuner,Kess,etc...): QUARTERHORSE

~~SCT DEVICE SERIAL # (SCT Xcal handheld):~~

TUNING SOFTWARE (TunerPro,Sykes,Caledit,SCT,HPT,etc): BINARY EDITOR

PRIMARY VEHICLE USE (street,strip,weekend,show,daily,etc): STREET

IS THIS YOUR PRIMARY VEHICLE [Y,N]: N

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TRANSMISSION MODEL NUMBER: 1989 Stock T-5 (V-8)

Gear Ratios: 1st: 3.35 2nd: 3rd: 4th: 5th: .67 6th:

REAR WHEEL TIRE SIZE: 275/50R15

TIRE REVS/MILE: 809

AXLE GEAR RATIO: 3.27

~~TQ CONVERTER MAKE:~~

~~TQ CONV STALL SPEED:~~

~~TRANS FLUID TYPE & SPEC:~~

~~VALVE BODY SPECS:~~

~~SHIFT KIT SPECS:~~

~~LIST ANY ADDITIONAL TRANSMISSION SPECS:~~

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INJECTOR SIZE: 47

INJECTOR BRAND: FMS

INJECTOR COLOR: ?

INJECTOR PART NUMBER:



INJECTOR PURCHASE PRICE $: $200?

VENDOR PURCHASED FROM: SUMMIT

FUEL SYSTEM TYPE [STOCK, RETURN,RETURNLESS]:

ADJUSTABLE FUEL PRESSURE REGULATOR [Y,N]: Y

AFPR MAKE & MODEL#: KIRBIN 5005

BASE FUEL PRESSURE: 65 PSI (VAC HOSE DISCONNECTED AND PLUGGED)

FUEL PUMP QUANTITY & SIZE [LPH]: IN-TANK 110 LPH-FMS

IN-LINE SECONDARY PUMP-BOSCH GFP221 (RATED 121 LPH, SUPPORTED OVER 400 HP

WITH ORIGINAL CARTECH TURBO KIT @ 110 PSI. HAVE FUEL PRESSURE GUAGE, WILL KEEP AN EYE ON IT).

FUEL PUMP BRAND AND FPDM SPECS: SEE ABOVE

FUEL RAIL SPECS: STOCK

FUEL LINE SIZE: STOCK

~~LIST ANY ADDITIONAL FUEL SYSTEM DETAILS (expand if needed):~~

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FUEL TYPE OCTANE & GRADE: SUNOCO

FUEL RON/MON (for non-USA countries): 93

FUEL QUALITY [POOR,FAIR,AVG]: FRESH 5/27/2023 (TANK DRAINED COMPLETELY PRIOR TO FILL)

~~METH INJECTION NOZZLE GPH:~~

~~METH ACTIVATION TYPE OR SET PSI~~:

~~N2O Wet/Dry Shot:~~

~~N2O SHOT / NOZZLE SIZE:~~

~~N2O FUEL JET SIZE:~~

~~N2O Bottle Warmer Present [Y,N]:~~

~~N2O WOT Safety Switch [Y,N]:~~

~~LIST ANY ADDITIONAL N2O DETAILS:~~

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ENGINE BLOCK SPECS: STOCK 86 5.0 HO

DECK MIL'd ?: (if so how much mils shaved?): NO

COMPRESSION RATIO: APPROX 9.5:1

CUBIC INCH DISPLACEMENT/LITERS: 5.0

CYLINDER HEAD BRAND: TFS

CYL HEAD PART/MODEL# : 51410002-M61

CYL HEAD RUNNER SIZE CC: 170/66

CYL HEAD CHAMBER SIZE: 61

CYL HEADS MIL'D? : NO, NO HEAD WORK

~~(if so, how many mils have been shaved?):~~

APPROX. HOW MANY MILES ON ENGINE?: 88K

PISTON SPECS (include GAP if known): STOCK 86 FORGED

I AM ORIGINAL OWNER, ORIGINAL X-HATCHING STILL THERE



ROD SPECS: (include if ARP bolts): STOCK RODS, ARP BOLTS

Fully Forged Rotating Assembly ?: NO

BILLET OIL PUMP GEARS [Y,N]: STOCK NEW FORD PUMP

LIST ANY ADDITIONAL ENGINE BOTTOM END SPECS: NEW ROD/MAIN BEARINGS, CRANK POLISHED

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POWER ADDER TYPE [Turbo,SC,n2o]: TURBO

TURBO/SC MAKE/MODEL#: GARRET T04

TURBO SIZE & AR / PULLEY SIZE: ?

~~LOWER PULLEY SIZE:~~

#s BOOST MAXIMUM: 8 PSI

BOOST CONTROLLER PRESENT [Y,N]: NOT IN CAR- BOOST CONTROLLED BY CARTECH WG

BOV/BYPASS LOCATED BEFORE OR AFTER MAF?: AFTER TURBO, BEFORE IC, BEFORE MAF

LIST ANY ADDITIONAL POWER ADDER DETAILS:



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EXHAUST HEADER TYPE [LONGTUBES/MID/SHORTY]: SHORTY PASS SIDE/LOG DRIVERS

EXHAUST CROSSOVER TYPE [X,H,Y-PIPE]: SINGLE 3” DOWNPIPE

EXHAUST PIPE SIZE, SPECS, & COMMENTS: 2.5 FULL DUALS

WIDEBAND MODEL AND PART #: AEM

WIDEBAND WIRED IN TO PCM EGR INPUT? [Y,N]: Y

\*\*\*IF YOU HAVE YOUR WIDEBAND TRANSFER, LIST HERE OR ATTACH BELOW

**V-A/F**

5/20

4/17.2

3/14.8

2/13.2

1/11.4

0/9.9

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ELECTRIC FANS PRESENT [Y,N]: N

~~HIGH AND LOW WIRED TO PCM:~~

COOLANT THERMOSTAT TEMP: 195

AIR CHARGE TEMP SENSOR LOCATION: INTAKE

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MASS AIR FLOW SENSOR TYPE:

MAF TUBE/HOUSING SIZE:



MAF/INLET PIPING SIZE: 2.5”, BUT ENLARGED TO 3”, 12” BEFORE AND 6” AFTER MAF

3”- HONEYCOMB AIR STARIGHTENER INSTALLED BEFORE MAF

~~IS MAF CALIBRATED FOR AN INJECTOR SIZE [Y/N]:~~

 ~~IF YES,~~

 ~~MAF CALIBRATION SIZE:~~

 ~~MAF CALIBRATION VEHICLE:~~

 ~~MAF CALIBRATION CURVE [Ex: GT,COBRA,SC,etc...]:~~

MAF BLOW-THROUGH or DRAW-THROUGH:

\*\*\*IF MAF FLOW SHEET IS AVAILABLE, LIST HERE OR ATTACH BELOW\*\*\*

LIST ANY ADDITIONAL MAF NOTES/COMMENTS:





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THROTTLE BODY MAKE & PART NUMBER: STOCK 5.0 EXPLORER

THROTTLE BODY SIZE: 65 MM

INTAKE MANIFOLD SPECS: STOCK EXPLORER UPPER/LOWER

LIST ANY ADDITIONAL INTAKE SPECS: ½ INCH PHENOLIC SPACER FOR VALVE COVER CLEARANCE

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CAM BRAND AND PART NUMBER: STOCK 86 5.0 HO

Intake Lift: Duration: Centerline:

Exhaust Lift: Duration: Centerline:

Rocker Ratio: SCORPION 1.6 ROLLER ROCKERS

PREFERRED IDLE RPM: 800

DESIRED REV-LIMITER RPM: 5800

\*\*\*IF CAM CARD IS AVAILABLE, ATTACH FILE AT BOTTOM\*\*\*

LIST ANY ADDITIONAL CAMSHAFT COMMENTS:

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IGNITION COIL SPECS: STOCK

IGNITION COIL TYPE [CoP,COIL PACKS,1 COIL]:

DISTRIBUTOR BRAND & PART NUMBER: STOCK 86, NEW FORD INTERNAL PICKUP

SPARK PLUG BRAND, PART #, and GAP: AUTOLITE 3923-.028 GAP

SPARK PLUG WIRES, SIZE, BRAND & AGE: FMS 9MM-NEW

IGNITION BOX TYPE & AGE: STOCK TFI FORD 5 YEARS OLD, MAYBE 50 MILES

\*\*\*BASE IGNITION TIMING MUST BE 10 BTDC ON DISTRIBUTORS\*\*\*

IS BASE TIMING AT 10 dBTDC [Y,N]?: Y

~~LIST ANY ADDITIONAL IGNITION DETAILS:~~

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QUICK CHECK LIST:

HOW MUCH OIL DOES ENGINE BURN? : NONE

AGE OF FUEL FILTER : NEW

AGE OF SPARK PLUGS: NEW

AGE OF CAP AND ROTOR: 5 YEARS OLD, BUT MAYBE 50 MILES

AGE OF PLUG WIRES: NEW

AGE OF AIR FILTER: 5 YEARS OLD, BUT MAYBE 50 MILES

AGE OF O2 SENSORS: 5 YEARS OLD, BUT MAYBE 50 MILES

O2 LOCATED BEFORE OR AFTER TURBO: AFTER

WIDEBAND LOCATED BEFORE OR AFTER TURBO: AFTER

EXHAUST SEALED W/ NO LEAKS? [Y,N]: Y

WHAT IS BASE TIMING SET TO (dBTDC): 10 (NO SPOUT)

FIRING ORDER VERIFIED [Y,N]: Y

LIST ANY ADDITIONAL VEHICLE DETAILS/COMMENTS/NOTES BELOW:

(EXPAND THIS SECTION IF NEEDED)