

Ford Motor Company

ENGINE AND FOUNDRY DIVISION

DEC 5 57 PM

C. Fowler

Intra-Company Communication

December 1, 1967

To: Mr. C. J. Magey
Mr. T. Holmes

cc: Messrs. J. Angel W. E. Fryer D. Manning
 C. M. Bowen W. H. Gay J. P. Marta
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 ✓ H. Cowley R. Howley S. McSeveny
 R. M. Cuddohy E. Kleber A. R. Nash
 L. G. Deutenmeyer T. Landis G. Olson
 D. Dombrowski L. Lutz A. J. Tocco

SUBJECT: 428 C.I.D. 4V GT (Cobra Jet) Special Build Engine Assembly

Mr. W. H. Gay has requested that 50 pieces of subject engine assembly be built prior to 12-15-67 for installation in vehicles at A.A.D. Assembly Plants.

Engine Assemblies are to be identified with Engine Code 408-J1 and are to be same as Code 405-J (428 C.I.D. Police Interceptor) except for the following add and delete parts:

Unit	Add	Delete	Description	Part Availability
2	C8WFM-6049-A (Castings should be expedited from CF to replace Cylinder Heads used.)	C8AE-6049-G	Head Assy.-Cyl.	Sample castings due to be cast week of 12-4-67 at CF. 140 pcs. C8WEM-6049-A in inventory at DEP
8	C8OE-6110-AE (C8OE-6100-K) (C8OE-6101-K) (PEO has indicated that current C8AE-6110-Z casting from new moulds (light weight) may be used if necessary.)	C8AE-6110-Z (C8OE-6100-K) (C8OE-6101-K)	Piston Assy.	Castings (Sheffield) can be cast 12-8-67 without functional approval.
8	C5AE-6333-AE	(4) C5AE-6333-AE (2) C5AE-6333-H- J-K-L-M-N-R-S	Bearing-Cr/S	Current 428 CID Part
3	C3AE-6505-E	C1AE-6505-E	Valve-Exhaust	Current 427 CID Part
3	C6AE-6507-K	C6AE-6507-H	Valve-Intake	Samples be ckd by A.C. 12-5-67 at Eaton
1		C1AE-6A632-A	Separator-Cr/C Oil	
1	C6AE-6375-E	CTAP-6375-A	Flywheel Assy.	Current 428 CID Part
1	CTAE-6502-E	CTAE-6502-D	Cover Assy.-V.B.A.	Current 427 CID Part
1	CTAD-6A667-B	C6AE-6A667-B	Valve-Cr/C Vent	Current 427 CID Part
1	CTAE-6375-A	CTAE-6375-B	Inlet Assy.-Oil Inj.	Current 427 CID Part
1	(To Follow)	C6AE-6504-E	Oil-Cr/C Vent	PEO to release 428 part
1	CTRE-6553-C	CTAE-6553-B	Rose-Cr/C	Current 390 CID Part

COBRA JET PROGRAM

Engine 428 Cobra Jet except use existing 390 exhaust manifolds.

Clutch Police Interceptor utilizing:
Clutch disc assy. - C5AA7550-K
Pressure plate assy. - C3AA7563-C
Hub and bearing assy. - C6AA7548-D
Housing assy. - C60A-6392-D
Clutch fork - C70A7541-A

Transmission Heavy-duty four-speed transmission with 1-3/8" 10-spline input shaft and 31-tooth spline output shaft and 2.32 low gear ratio.

Rear Axle 3.89:1 Daytona-type, torque sensitive locker. If not available, substitute 3.89:1 or 3.50:1 units without locker assembly.

Driveshaft 31-tooth 13-30 U joint with cardboard lines.

Air Cleaner *GPD prototype ram air cleaner assy., with hot and cold stove.

Hood *C7ZE-16612-A Hood assy., modified at outside vendor to accept air scoop and shipped to assy. plant for paint and installation.

Hood Scoop *Prototype ram air scoop will be shipped to the assy., plant painted and ready for installation.

Brakes Manual drum.

Cooling 390 GT Mustang A/C cooling package.

Chassis Suspension same as Mustang 427-S.
All other components same as standard RPO 390 Mustang non-GT.

Body Color Exterior Wimbledon White
Interior Black Vinyl

NOTE: These units are to be memo billed H.O.R. 84000. Dealer billing instructions to follow.

Delete all scaler and deadener same as DSO-89-2017 on twenty units.

* For purchasing information on these items contact Mr. A. A. Turner, Stock Vehicles Department (30686).

12/1/67

<u>Unit</u>	<u>Add</u>	<u>Delete</u>	<u>Description</u>	<u>Part availability</u>
1		C5AE-6869-A	Cover-Cr/C	
1	C60A-7513-E		Shield-Cl. Dust	Current 390 CID Part
1	C60A-6392-D		Hsg. Assy.-Clutch	Current 390 CID Part
1	C70A-7541-A		Lever-Cl. Rel.	836 pcs. invty. at DEI
1	C5AA-7550-K		Disc Assy.-Clutch	144 pcs. invty. at DEI
1	C3AA-7563-C		Plate & Cover-Clutch	265 pcs. invty. at DEI
1	C6AA-7562-A		Spring-Clutch	Current 390-428 CID Pa
1	C6AA-7600-A		Bearing-Pilot	Current 390-428 CID Pa
1	(To Follow)	C7AE-9424-F	Manif. Assy.-Int.	PEO to release add par
1	C70E-9428-C	C6AE-9428-A	Manif. Assy.-Exh.R.H.	Current 427 CID Part
1	C70E-9431-A	C3SE-9431-A	Manif.-Exh. L.H.	Current 427 CID Part
2	C8AE-9447-B	C7AE-9447-B	Gasket (9A589 to 9510 & 9425)	Sample and production 12-13-67. Order prod. with samples.
1		C2SE-9448-B	Gasket-Exh. Manif.	
1		C2SE-9A457-A	Gasket-Exh. Manif.	
1	C80E-9A474-B	C7AE-9A474-B	Fitting-Manif. Vac.	Current 390 CID Part
1	C8AE-9A589-H		Spacer-Carburetor	Sample and production 12-6-67. Order prod. with samples.
1	C80F-9510-AA	C8AF-9510-AE	Carburetor Assy.	Engrg. expediting thru G.P.D.
1		C3AE-9A705-A	Cover-Therm Choke	
1		C3AE-9A744-A	Gaskt. Therm. Ck. Ht. Sply. Cvr.	
1	C7ZE-9819-A	C6AE-9819-B	Tube-Therm. Choke	Current 390 CID Part
1	CTZE-9820-A	C6AE-9820-A	Tube-Therm. Choke	Current 390 CID Part
1	C8AE-9865-B	C8AE-9865-E	Insulator-Ht. Tube	Current 390 CID Part
1		C5AE-10B843-C	Bulb-Water Temp.	
1	C80F-12127-D	C8AF-12127-J	Distributor Assy.	Current 390 CID Part
6	20542-S		Bolt (6392 to 6015)	Current 390-428 CID Pa
1		26474-S	Screw (att.9A705)	
6	34808-S2		Washer (6392 to 6015)	Current 390-428 CID Pa
2		40922-S8	Screw-Cr/C Vent	
1		EDJ-66383-B	Plate-Reinf.	
4	382783-S	88386-S	Stud-9510 to 9425	Avail. 9 days after re
10		351385-S8	Washer-9425 to 6049	
2	380751-S	(14) 377506-S)	Screw & Washer	(Current 390-427 CID Pa
12	380750-S	(2) 381733-S)	(9430-1 to 6090)	(Current 390-427 CID Pa
2	382199-S			(Current 390 CID Part
6	378775-S2		Bolt (7563 to 6375)	Current 390-428 CID Pa
6	34846-S		Washer (7563 to 6375)	Current 390-428 CID Pa
6	378172-S	378170-S	Bolt-Flywheel	Current DEI Part
2	378171-S	378170-S	Screw(6A274 to 9425)	Current 390-428 CID Pa
1	381567-S100		Elbow(6A285 to 6853)	Current for 401 CID Pa
2	C82E-17403--A		Eye-Eng. Lift	Current for 390-427 CID Eng.

Mr. C. J. Aulley
Mr. T. Holmes

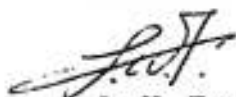
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December 1, 1967

Ford Division Special Vehicle Section has assigned blanket purchase order P-146000 for these D.S.O. engines.

Please expedite procurement of necessary parts with a goal of building engines by 12-15-67. We will follow Engineering for a new add and delete list to include the Intake Manifold Assembly and Crankcase Ventilation Tube part numbers.

Additional information will follow as soon as available.



L. W. Frantz



E. W. Brown, Manager

New Model Planning, Timing & Control Dept.

LWF/djb