

## Inter-Organization Letter

To Mr. H. V. Nowalis  
From Mr. A. R. Carpenter  
Subject Twin Cam Vega Engine

Location Resident Product Engineer  
Location Superintendent of Inspection  
Date March 2, 1973

In the past three months developmental work has progressed on the new Cosworth Vega Twin Cam Engine to the point that tooling, gaging, set-up and tryout activities are progressing on schedule.

During this time Engineering changes have been necessary several times. It is recognized that this activity is inherent in the final development of a new engine. However, despite repeated requests for part blueprints, there are a number of parts that we have no information on to initiate part procurements.

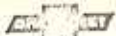
The following blueprints of parts are needed immediately:

<u>Part No.</u>	<u>Description</u>
343316	Crankcase Vent Tube
<del>343318</del>	<del>"O" Ring</del>
343310	Oil Pan Baffle
338124	Clutch Driven Plate
334071	Tappet
334027	Timing Belt Cover-Upper
<del>334048</del>	<del>Speed Sensor Plate</del>
<del>N.P.N.</del>	<del>Speed Sensor Switch Assembly</del>
<del>N.P.N.</del>	<del>Cylinder Case</del>
N.P.N.	Assembly Instructions

On Feb. 21, 1973, a progress meeting was held in the Industrial Engineering Department to discuss the Twin Cam Cosworth Vega Engine development. Mr. Cal Wade and Mr. John Mahoney of the Design Engineering Department in Chevrolet Engineering Center, attended this meeting.

At this meeting Mr. Wade explained that the blueprints needed would be provided to this Plant by Feb. 26, 1973, so that procurement could begin. As of this date the requested detail blueprints and assembly instructions have not been received.





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From  
Subject **Twin Cam Vega Engine**

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Date **March 2, 1973**

Through our Purchasing Department, the following comments are made on these parts, based on the limited information they have at this time.

<u>Part No.</u>	<u>Description</u>	<u>Purchasing Dept. Comments</u>
343316	Crankcase Vent Tube ✓ <i>Paint - No for show Jobs</i>	Have layout drawing - Vendors need details for firm commitment.  Estimate 12 weeks lead time required for tool- ing, plus 2 or 3 weeks for part production and approval.
343318	"O" Ring -	Should be stock item. Anticipate little problem.
343310	Baffle - Oil Pan ✓ <i>Baffle</i>	This will be a Flint Pressed Metal part. We have no detail informa- tion at all.
× 338124	Clutch Driven Plate - <i>No for show</i>	Flint Mfg. is proceeding, based on information from C.E.C. We have no detail blueprint information.
334071	Tappet	Blueprint with latest changes not available to us.
334027	Timing Belt Upper Cover	Vendor has only pencil copy of latest changes and is proceeding to make extensive blanking die changes. We do not have latest blueprint.
334048	Speed Sensor Plate <i>Next week</i>	Bendix Corp. proceeding. They are doing the design work. We do not have latest blue- print.
N.P.N.	Speed Sensor Switch Assy.	Bendix Corp. proceeding. They are doing the design work. We do not have latest blue- print.



CHEVROLET MOTOR DIVISION  
General Motors Corporation

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<u>Part No.</u>	<u>Description</u>	<u>Purchasing Dept. Comments</u>
N.P.N.	Cylinder & Case	Print with venting provisions not available. We just hope Massena is proceeding properly.

With this lack of information and start of production approaching, we cannot at the present time guarantee that we will be able to meet production requirements at the start of 1974 model.

A. R. CARPENTER  
SUPERINTENDENT OF INSPECTION

ARC/es

cc: Messrs. B. L. Lemmer  
R. J. Bammel  
W. G. Uren  
G. S. Nash /  
W. K. Gaffney  
W. C. Bartlett  
C. Wade - C.E.C.  
J. Mahoney - C.E.C.