

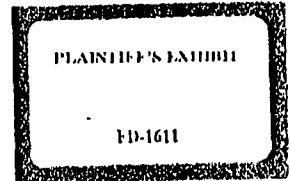
Don E.
Please limit circulation
of this unsignd draft - however,
it reflects our intended level of
control KAG
Inter Office



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Car Product Development

January 5, 1984



DESIGN ANAL.-

1 27 85 11:30

Mr. E. J. Mabley
Mr. D. L. Rivard
Mr. R. C. Ronzi

Have
attached copy
for our phone conversation
1-9-84
Bob Husen

Subject: New Asbestos Removal Objectives

As you know the Company has been working on removing asbestos from product materials since 1980. Advanced Vehicle Engineering and Technology has the responsibility of coordinating all product engineering office implementation, including preparation of specific objectives and progress reports.

Objectives were published in a Car Program Direction Letter 8/18/81. In this original letter, objective statements and completion dates were somewhat general reflecting the then unknown technical problems and costs of substitution. The direction now is that for the friction product category a definite Corporate 100% asbestos removal date is desired. To notify the engineering offices of this change we intend to issue a new Direction Letter, draft attached.

Would you please concur in the completion dates shown in Table 1 of the Program Letter that are your responsibility, and advise of exceptions or qualifications you require. Note that the friction products category now explicitly includes all uses, i.e., all clutches, brakes, etc. supplied both as loose parts to be assembled at a Ford location and as part of purchased assemblies. Bob Husen, 44134, Room 1049, Bldg. #5, can supply background and detail. Please reply by January 27, 1984.

R. E. Van House

Attachment

D2-267

8006 1170

SCF-FORD-3419

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TABLE 1

NORTH AMERICAN PRODUCT ENGINEERING OFFICE ASBESTOS REMOVAL OBJECTIVES

DRAFTPlanned Asbestos Removal Date by Application
(Calendar Year End)

Product Material Applications Containing Asbestos		Memo			
		Passenger Car	Light Truck	Heavy Truck	Tractor
Friction Products [A1]	Wet Clutch	Complete 1983	1984	Compl. 1983	Compl. 1983
	Manual Trans. Clutch	1985	Compl. 1983	1985	1987
	Brakes	1989 (see attached plan)	1984	1985	1989
Gaskets & Shaft Seals (except PIA)	Non-Critical	1985	1985	1985	1986
	Critical (significant performance issues, e.g. temp, pressure)	1989	1989	1989	1989
Bulk Sealers, Adhesives, Tapes, Thread Sealers, & Acoustic Mills (except PIA)	Non-Critical	1985	1985	1985	1985
	Critical (significant performance issues, e.g. temp, viscosity)	First major respecification opportunity (ref. CEPL-10)			
Other Material (except PIA)	Plastic Fillers & Misc.	1985	1985	1985	1985
Purchased in Assembly (PIA)	2/	No substitution action req'd - suppliers are to be requested to work toward minimizing asbestos but allowed to establish their most suitable compliance plan.			
General	All	All asbestos to be encapsulated or resin coated and appropriate warnings included in service literature and containers.			
Service Parts	Past Models	No reengineering of after market service parts specifically to delete asbestos is req'd. Service literature and parts containers to be marked with appropriate warnings.			
All Newly Designed Components	New Parts/Uses	The non-asbestos requirements of CEPL-10 (12/79) are to be adhered to in new designs.			

NOT TRUE

2/ Purchased assemblies for which detailed part composition is left to the outside supplier. Note: No friction products applications in this category.

D2-265

AV17
January, 1984

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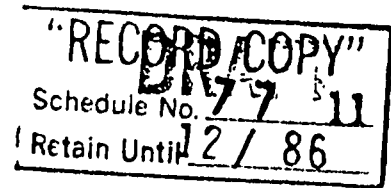
		A1	A2	A3
3.1.6	Products, or products containing chemicals, which have been identified as having any CARCINOGENIC, TERATOGENIC or MUTAGENIC properties must not be supplied or submitted unless the properties have been specifically identified to Ford and prior approvals have been granted against this knowledge and Ford's assessment. Required testing must have been carried out.	X	X	X
3.2	ASBESTOS (9, 15, 22, 24)			
3.2.1	Materials containing any asbestos shall not be supplied or submitted unless Ford has specifically approved in writing the submittal or supply of such materials.	X	X	X
3.2.2	Parts or components containing asbestos which may be subjected to action which may give rise to asbestos dust shall be labelled, either individually or by the smallest package, to indicate that they contain asbestos.	X	X	X
3.2.3	Parts or components containing asbestos shall be treated at supplier's location before packaging to remove loose asbestos dust.	X	X	X
3.3	BENZENE (26)			
3.3.1	Paint material shall not contain benzene.	X	X	
3.4	CADMIUM (21)			
3.4.1	Neither Cadmium nor any substance containing more than 0.0075 percent by weight of Cadmium shall be used as or in:	X	X	
	- paint pigments, as of 1983 model year.			
	- pigments or stabilizers in trim materials and other interior fittings, as of 1985 model year.			
	- pigments or stabilizers in other fittings, as of 1986 model year.			
	- Surface treatment as of 1988 model year.			
3.5	CHLOROFLUOROCARBONS (11)			
3.5.1	Pully halogenated chlorofluoroalkanes shall not be used as propellants for aerosols.	X		X

BOTH

F.O.E

NAAO

Don - This is also from unclassified draft that will be applicable to all parts. (EP 24) *Kay*



Inter Office

Car Product Development

January 5, 1984

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