



KBT
Low

Dick - see KBT's request
pls make a book with all responses.

18 APR 80 4:29

Inter Office

Body and Electrical
Product Engineering

April 15, 1980



To: Mr. J. W. Durstine

cc: L. O. Bischof
R. E. Edwards
H. P. Frears
J. A. Pflug

From: J. P. Bernard

Subject: Identification of Production Materials and Components Containing Asbestos

Reference: Mr. J. W. Durstine's letter to D. D. Baker, et al, dated March 13, 1980, same subject

BEPE has reviewed the referenced letter and proposes the following:

- BEPE Materials Engineering has reviewed the list of "M" numbers, provided by your activity, which are BEPE design responsibility, in an effort to determine the completeness/accuracy with respect to suspected, or actual asbestos content. These ESB "M" specifications generally do not identify whether the material contains asbestos, nor do they prohibit its use in the composition. This is also true of ASTM, ES, SAE, Military, and performance specifications (ESB-M-P). Therefore, we are unable to ascertain the completeness or accuracy of the list provided.
- Based on the above, the BEPE Materials Engineering Department recommends that E&R Staff request all Purchasing activities to contact suppliers of all non-metallic items to Ford, to obtain the required list of asbestos containing materials and part numbers involved. It should be emphasized that the end item supplier should have the responsibility to obtain the necessary information from his raw material supplier(s). This approach will identify all materials and parts supplied under the various designations that actually contain asbestos, and which may be omissions on the current E&R Staff list.
- Initially, in an effort to comply with your request, Materials Engineering reviewed in a joint effort with Body & Assembly Purchasing (Messrs. E. MacDonald and J. Durgarian) all "ESB-M" adhesives, sealers, tapes, and fluid sound deadeners which are currently purchased, or released as alternate materials, for

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PRODUCED BY FORD

April 15, 1980

direct production use in various Ford locations. The current production sources of these materials were contacted by phone to establish which materials contained asbestos. Attachment I identifies 32 materials which are known to contain asbestos. It is significant to note that our review has shown, that in some cases for a given "ESB-M" number product, not all materials approved to that specification contain asbestos. Materials Engineering has also identified 192 part drawings which specify 10 of the 32 materials known to contain asbestos. Attachment II reflects the specific 10 materials shown on the NAEPIS list. Part numbers for these materials can be obtained by reviewing the computer read out.

- As stated earlier, our review involved only those materials purchased by Body & Assembly Purchasing. As a result, this survey covers approximately 20-25% of approximately 230 active material specifications in the adhesive, sealer, tape and fluid sound deadener category. Also, it generally includes only those sources currently furnishing material to Ford, and does not include unapproved sources or inactive materials that might be currently used in production.

In view of the complexity of the task to identify all asbestos containing materials, a task very similar to that of establishing flammability of all materials several years ago, BEPE Materials cannot accurately obtain and provide the required information. This comprehensive assignment can most directly and accurately be accomplished by Corporate Purchasing.

James P. Bernard

Attachments

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003227

Attachment I

Asbestos Containing Materials Used By
Ford Manufacturing Facilities

Specification

Title

Adhesives

ESB-M2G58-C Adhesive, modified vinyl - low and high temp. cure
ESB-M2G171-AB Primer, adhesion, elastomeric bonding tape
ESB-M2G188-A Adhesive, epoxy - one component - structural

Tape

ESB-M3G95 Tape, elastomeric bonding - flow resistant

Sealers

ESB-M4G1-B Sealer, synthetic resin base - flowable, low temp. cure
ESB-M4G31-A Sealer, windshield and/or back lite
ESB-M4G32-A Sealer, synthetic resin base
ESB-M4G40-A Sealer, body - nonsag - solvent free
ESB-M4G58-B Sealer, pressure sensitive - mastic
ESB-M4G101-B Sealer, low temp. cure, synthetic resin base - thumbable
ESB-M4G108-A Sealer, rubber/resin/asphalt - cotton twine reinforced
ESB-M4G109-A Sealer, plastic synthetic resin - pressure sensitive - non-reinforced

ESB-M4G110-A Sealer, plastic synthetic resin - pressure sensitive - reinforced
ESB-M4G126-A Sealer, synthetic resin base - low temp. cure - flow type
ESB-M4G137-A/B Sealer, non asphaltic - extruded non-flow
ESB-M4G139-B Sealer, synthetic resin base - low temp. cure
ESB-M4G141-A Sealer, body - nonsag - solvent free - sprayable
ESB-M4G145-A/C Sealer, polyvinyl chloride base - heat cure
ESB-M4G147-B Sealer, synthetic resin base, low temp. cure - knife grade
ESB-M4G161-A/C Sealer, PVC - expanding - low temp. cure
ESB-M4G162-A Sealer, synthetic elastomer, windshield & back lite after seal
ESB-M4G172-A Sealer, synthetic resin base - low temp. cure - thumbable
ESB-M4G174-A Sealer, synthetic resin base - high temp. cure - non-flow
ESB-M4G175-A Sealer, synthetic resin base - high temp. cure - knife grade
ESB-M4G177-A/B Sealer, synthetic resin base - high & low temp. cure - flowable
ESB-M4G188-A Sealer, polycelafin - hot melt - extruded - non-staining
ESB-M4G197-A Sealer, monobake - non-flow grade
ESB-M4G198-C Sealer, monobake - thumbable grade - flow wash resistant

Deadeners

ESB-M5G8-A/C Deadener, sandless - high efficiency - reduced flammability
ESB-M5G22-A Deadener, mastic - sandless high efficiency - exempt solvent
ESB-M5G25-A Deadener, mastic - corrosion resistant - exempt solvent

Miscellaneous

ESB-M7C53-A Rust preventive compound - sprayable wax type

Materials Engineering Department
BEPE April 9, 1980

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Attachment II

Asbestos Containing Bulk Materials Shown on

Special Rpn NAEPLS List

<u>Materials</u>	<u>Specification</u>	<u>Number of Part Drawings Involved</u>	<u>Shown On NAEPLS Page #</u>
<u>Adhesives</u>	ESB-M2G58	4	301
	ESB-M2G171	18	306-307
	ESB-M2G188	4	307
<u>Tape</u>	ESB-M3G95	113	344-346
<u>Sealers</u>	ESB-M4G32	2	368
	ESB-M4G108	3	370
	ESB-M4G109	37	370
	ESB-M4G145	2	370
	ESB-M4G161	5	370
	ESB-M4G197	4	371
	Total	192	

Materials Engineering Department
EEPE April 9, 1980

003229

JOHN,

I HAVE LEFT TWO ITEMS FOR YOU.

FIRST

I MADE A LIST OF ENGINE PARTS THAT CONTAIN
ASBESTOS. THIS WAS NOT DONE THROUGH THE COMPANY
BUT BY USING OUR PUNCH HOLE CARTRIDGE TAPING
MACHINE. I DID NOT ATTACH A COVER LETTER SINCE
THIS ASSIGNMENT DID NOT COME FROM ANY OF MY
BOSS'S AND WOULD BE ONLY EYE FOR THE DAY.

SECOND

I HAVE DROPPED OFF A LETTER CONTAINING OUR
PROPOSALS FOR MATERIAL SPECS CODING WE FEEL
VERY STRONGLY ABOUT THESE PROBLEMS AND WISH
THAT THEY BE SETTLED AS SOON AS POSSIBLE
SO THAT WE CAN PROCEED WITH OUR WORK.
TO PREVENT DELAY OF PROCEEDING

- DICK DAYAN
X20886
511180
10:09AM

003230

PQ

EOHE	9E464	AA
E1EE		AA
DEDE	9F470	AA
DEDE		AB
EOHE	9G477	BA
EGEE		CA
EO4E		AA
D7AE		A1B
D9TE		AC
D9TE		BC
D6TE	9C477	AA
D7AE		AB
D7TE		DA
D7VE		BA
D7FE		AA
D7VE		BA
D7AE		BA
D7FE		DA
D7FE		BA
D7FE		CA
D8TE		AA
D9AE		AA
D9TE		BA
D9EE		AA
D4TE		AA
D9HE		BA
D9TE		AC
D9TE		BC
EOHE		AA
D8OE		AB
D8OE		AA
D4OE		AA
EOSE		AA
EOAE		AA
C9AE		A
D7VE		AA
D4AE		AA
D4OE		AA
D4AE		BA
D4AE		AB
D4OE		AB

Gasket

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EOAE	9E502	AA
D7ZE	9516	AA
D8DE		AA
EOSE		AA
EOTE	9E516	AA
G2AF	9A588	B
B3DE	9E795	AA
D3DE		AB
D3TE		AA
D3DE		BA
D3DE		AD
D5DE		BA
EOHE		AA
EOAE	9871	CA
EOTE		AA
EOTE		BA
E1TE		CA
C8VE	9903	A
C8SE		A
DOAE		A
D1AE		A
D4VE		AA
EOAE	9E932	AB
EOAE	9E933	AB
EOAE		AC
EOAE	9E936	BA
EOAE		AA
EOAE		A
EOAE		AB
EOAE		CB
EOAE	9D960	AA
EOAE	9D962	AA
EOAE	9D976	AA
D5VE	9A980	AA
D7TE	12A450	AA
C1SE	9417	A
C5NE		A
C3TE		A
C3DE		A
C3AE		A
C8VE		A
DOAE		A
D4ZE		AA
D5TE		AA
D7AE		AA
E1EE		AA
D4ZE	9E425	AA
D9TE	9435	AA
D5VE	9C435	AA
D7DE		AA
D7DE		AA
D7DE		BA
D8TE		AB

Gasket



003232

D6HE	9C436	AA
D42E	9E436	AA
E50E	9L437	AA
E50E		AB
E50E		BA
E0SE	9L438	AA
E0SE		AB
E0SE		BB
E0SE		CA
E0SE		DA
D6HE	9439	AA
D70E		A7A
D70E		A4A
D7TE		AA
D7TE		AA
D6TE		AA
D42E		AA
D8DE		A7A
D8DE		A4A
E0EE		AA
E0AE		AA
D8DE		A2A
E0EE		AB
E1ZE		BA
E1ZE		AA
E1EE		AB
C9AE		A
DOOE		A
C9ZE		A
C9ZE		A
C9ZE		B
C9AE		B
DOOE		B
C8VE		C7
C8TE		B
DOOE		B
C8OE		A
C8JE		B
C8OE		B
D42E		AA
D3VE		AA
D3OE		AA
D4TE		AA
D4AE		AA
D5OE		A4A
D5OE		A7A
D5TE		AA

Gasket

003233

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D8AE	9447	AA	Gasket
D9TE		CA	
D9TE		AA	
D9TE		BB	
D8AE		BB	
D9HE		AA	
D9TE		DA	
D9HE		BA	
D9TE		EA	
EOHE		AA	
D9EE		AA	
E1TE		AA	
E1EE		H7B	
E1EE		J1A	
D7TE		CA	
D7AE		BA	
D7DE		AA	
D6VE		BA	
D7OE		AA	
D7VE		AA	
D7TE		CB	
D7AE		CA	
D7AE		CB	
D7VE		AB	
D7AE		DA	
D9TE		AA	
D7VE		BA	
D8EE		AA	
D8DE		BA	
D7VE		CA	
D8DE		AB	
D8VE		AA	
D7DE	9448	AB	
D9EE		BA	
E1EE		DA	
D3AE	9E464	AA	
D3AE		CA	
D4AE		AA	
D4VE		AA	
D6VE		AA	
D6VE		BA	
D3AE		AA	
D6VE		B	
D7VE		AA	
D7AE		AA	
D7AE		EA	
D7AE		DA	
D9HE		AA	
EO4E		AA	

003234

ENGINE MATERIALS
5/1/80
R. L. Linn



Hot
Jan
Dick.

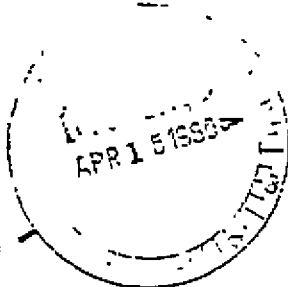
15 APR 10 11 2

-K.H. JENJAT

Inter Office

Ford Parts and Service Division
Parts Engineering

April 14, 1980



Mr. J. W. Durstine

cc W. H. Fitzsimmons
G. K. Obenluk

Subject: Identification of Production Materials and Components
Containing Asbestos

Reference: Your Letter, Same Subject, dated March 14, 1980

In response to your request, the attached lists identify FPSD-FEO released components which do or may contain asbestos. Only current and next model year materials and components are listed.

Attachment A lists products whose compositions are specifically identified and controlled by FPSD-FEO. Attachment B lists "Black-Box" categories of kits and assemblies which contain components whose specific composition is unknown by FPSD-FEO and may contain asbestos.

It should be noted that the listed released products are utilized at dealerships, independent repair facilities and/or by vehicle owners. The only exception would relate to Fiesta air conditioning kits which are also installed by independent and Company owned Ford pre-delivery centers.

M. H. Hamburg
M. H. Hamburg

Attachments
GKO/vg

003235

ATTACHMENT A

Material Specifications Controlled
by FPSD Parts Engineering Office

Spec #	Part #	Name	Supplier Code	Contains Asbestos	May Contain Asbestos
ESB-M4G32-A	D6AZ-19560-A	Caulking Cord	I883	I	
ESH-M4G32-B	D9AZ-19560-A*	Rope Sealer	P080	I	
ESR-M18P2-A	D7AZ-19554-B	Perfect Seal	A211	I	
ESR-M18P2-A	B5A-19554-A	Perfect Seal	A211	I	
ESB-M3G95-AB	**	Butyl Tape	F919		I
ESR-M99P4-B	D0AZ-19515-A#	Undercoating #	D055	I	
ESR-M99P4-B	D0AZ-19515-B#	Undercoating #	D055	I	

• Part of Kit D9DE-19W700-AA Kit

** Part of Kits D9AZ-19562-A
D9AZ-19562-B
D8FZ-19562-A
E0AZ-19562-A

Being phased out of system

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Black Box Components Released by
FPSD Parts Engineering Office
Unknown Asbestos Content

<u>Kit/Assembly Category</u>	<u>Supplier Code</u>
Air-Conditioner Kits	E173
Air-Conditioner Compressor Kits	B533
Brake Lining Kits	B379, E131B, R693A
Clutch Lining Kits	DO25A
Transmission Overhaul Kits	F260D, E299A, DO29C
Rear Axle Overhaul Kits	R693A, F260D
Carburetor Tune-Up Kits	B530A
Blower Motor Assys	S219
Radiator Cap Assys	S760A
Fuel Cap Assys	S760A
Exhaust Systems	S777

003237



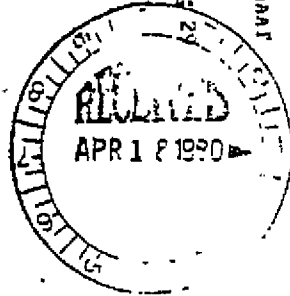
18 APR 1980
K.B. TERHAAR

EST Low
Dick

Inter Office

Transmission and Axle Engineering

April 15, 1980



Mr. J. V. Durstine

cc: P. D. Fadow

Subject: Identification Of Production Materials and Components Containing Asbestos

The attached list identifies those parts and bulk materials for which Transmission & Axle Engineering has design and release responsibility and contain asbestos. This list reflects current usage. Programs are in place to replace all of the parts with non-asbestos materials by 1985 model year.

T. J. Klein
T. J. Klein

Attachment

LIS/mam

003238

IDENTIFICATION OF PRODUCTION MATERIAL & COMPONENTS CONTAINING ASBESTOS

<u>PART NUMBER</u>	<u>NAME</u>	<u>APPLICATION</u>	<u>MATERIAL SPECIFICATION</u>
C7AP-7D026-A	Casket-Trans. Int. Band Servo	C4	ESE-M8C62-A
D3AP-7D026-A	Casket-Trans. Int. Band Servo	C6	ESE-M8C62-A
C6AP-7A136-B	Casket-Trans. Front Pump	C4	ESE-M8C62-A
E0AP-7A136-BA	Casket-Trans. Front Pump	C6 (Service Only)	ESE-M8C62-A
D5AW-4035-A	Casket-Rear Axle Housing to Pan	9"	SAE-FL241-C
D4OV-4035-B	Casket-Rear Axle Housing to Pan	8"	SAE-FL241-C
C2OV-4035-A	Casket-Rear Axle Housing to Pan	8" (Service Only)	ESW-M8D109-B
C6AV-4035-A	Casket-Rear Axle Housing to Pan	9" (Service Only)	ESW-M8D109-B
D5AP-7052-AA	Seal Assy. Trans. Extension Oil	C4/AOD	ESW-M2D166-A
D5AP-7052-BA	Seal Assy. Trans. Extension Oil	C6	ESW-M3D166-A

803239

IDENTIFICATION OF PRODUCTION MATERIALS & COMPONENTS CONTAINING ASBESTOS

<u>PART NUMBER</u>	<u>NAME</u>	<u>APPLICATION</u>	<u>MATERIAL SPECIFICATION</u>
D2OP-7934-AA	Reactor-Conv. Phenolic	11 1/2" (Service & Aust. Export)	ESW-M3D117-A
D2OP-7934-BA	Reactor-Conv. Phenolic	11 1/2" (Service & Aust. Export)	ESW-M3D117-A
D5AP-7934-AA	Reactor-Conv. Phenolic	12" 5.0L/C6	ESW-M3D117-A
E02P-7934-AA	Reactor-Conv. Phenolic	4.2L/C4	ESW-M3D117-A
D2AP-7937-A	Washer Conv. Reactor Thrust	12" C4/C5/C6/AOD	ESW-M3D97-A
D2TP-7937-A	Washer Conv. Reactor Thrust	7.5L/C6 H.D.	ESW-M3D97-A
D52P-7937-AA	Washer Conv. Reactor Thrust	10 1/4" C4	ESW-M3D97-A
E08P-74247-AA	Switch Assy. Trans. Gear Shift Neutral	C4 2.3L/3.3L Mustang/Capri Fairmont/Zephyr 3.3L/Granada/Cougar T1BIRD/XR-7 3.3L Venes Zephyr	ESF-M6055-A
E1DP-74247-AA	Switch Assy. Trans. Gear Shift Neutral	C4 4.2L Fairmont/Zephyr Mustang/Capri Granada Cougar Floor Shift	ESF-M6055-A

003240

IDENTIFICATION OF PRODUCTION MATERIAL & COMPONENTS CONTAINING ASBESTOS

<u>PART NUMBER</u>	<u>NAME</u>	<u>APPLICATION</u>	<u>MATERIAL SPECIFICATION</u>
EOAP-7A247-CA	Switch Assy. Trans. Gear Shift Neutral	C4 Ford/Mercury	ESF-M8055-A
ELEP-7A247-AA	Switch Assy. Trans. Gear Shift Neutral	ATX Escort/Lynx	ESF-M8055-A
EOEP-7A247-AA	Switch Assy. Trans. Gear Shift Neutral	C4 4.1L Aust. Fal./Fairlane Floor Shift 5.0L Aust. Fal./Fairlane	ESF-M8055-A
EOFP-7A247-AA	Switch Assy. Trans. Gear Shift Neutral	C6 LAO Ram Trucks	ESF-M8055-A
EOCP-7A247-AA	Switch Assy. Trans. Gear Shift Neutral	C4 4.2L Fairmont/Zephyr Granada/Cougar CIM 4.2/5.0L T'Bird/XB-7 5.0L Mex. Mustang/Fairmont Floor Shift 5.0L Mex. Fairmont	ESF-M8055-A
O90W-4797-B	Plate Assy.-Rear Axle Diff. Clutch	9" Locker	Raybestos S-1698-4
O90W-4A325-B	Plate Assy.-Rear Axle Diff. Clutch	9" Locker	Raybestos S-1698-4
D52A-7550-AA	Manual Trans. Clutch Disc Assy.	2.3 Hummer Pinto/Bobcat	(H.K. Porter) Thermoid 219 x 146
D9BC-7550-EA	Manual Trans. Clutch Disc Assy.	2.3 Hummer/M50D Mustang/Capri	(H.K. Porter) Thermoid 219 x 146

003241

IDENTIFICATION OF PRODUCTION MATERIALS & COMPONENTS CONTAINING ASBESTOS

<u>PART NUMBER</u>	<u>NAME</u>	<u>APPLICATION</u>	<u>MATERIAL SPECIFICATION</u>
D9ZC-7550-DA	Manual Trans. Clutch Disc Assy.	2.3L SR4 Mustang	(Raybestos) US-1488B1
IBBC-7550-BA	Manual Trans. Clutch Disc Assy.	2.3L Hummer Fairmont/Zephyr	(H.K. Porter) (Raybestos) Thermoid US-1488B1 219 x 146
D9ZC-7550-DA	Manual Trans. Clutch Disc Assy.	2.3L Turbo SR-4/M50B Mustang Capri	09-1488B1
D9BC-7550-FA	Manual Trans. Clutch Disc Assy.	3.3L SROD Mustang Capri Fairmont/Zephyr	(H.K. Porter) (Raybestos) Thermoid US-969X 219 x 146
E1ER-7550-AA	Manual Trans. Clutch Disc Assy.	MTX Erika	(H.K. Porter) Thermoid 219 x 146
D20A-7550-AA	Manual Trans. Clutch Disc Assy.	4.1L SROD Granada/Monarch	(H.K. Porter) (Raybestos) Amoco US-969X 3271RW
E1ER-7550-BA	Manual Trans. Clutch Disc Assy.	MTX Erika	(H.K. Porter) Thermoid 219 x 146
E0UP-15520-AA	Switch Assy.-Trans. Back-Up Lamp	C6 Econoline	ESF-M8055-A
E0TP-15520-BG	Switch Assy.-Trans. Back-Up Lamp	C6 Lt. Truck "F" Series Bronco	ESF-M8055-A
E0TP-15520-AG	Switch Assy.-Trans. Back-Up Lamp	C4 Lt. Truck "F" Series	ESF-M8055-A

003242

IDENTIFICATION OF PRODUCTION MATERIALS & COMPONENTS CONTAINING ASBESTOS

<u>PART NUMBER</u>	<u>NAME</u>	<u>APPLICATION</u>	<u>MATERIAL SPECIFICATION</u>
EOAP-7F314-BB	Hub Assy. Converter Damper Reactor	AOD	SD-1240-B S-4980-4
D9AP-7D034-AA	Band Assy.-Trans. Int.	C4	SD715-0
G9AP-7D095-A	Band Assy.-Trans. Reverse	C4	S-1698-7
D9AP-7D034-BA	Band Assy.-Trans. Int.	C6	SD715-0
EOAP-7F196-AB	Band Assy.-Trans. Overdrive	AOD	SD715-0
EOAP-7D095-A1A	Band Assy.-Trans. Reverse	AOD	Spring Div. S860-6
EOAP-7D095-A2A	Band Assy.-Trans. Reverse	AOD	Kelsey Hayes S860-6
EOAP-7E311-AA	Plate Assy.-Trans. Clutch Forward	AOD	S-4980-4
EOAP-7E313-AA	Plate Assy.-Trans. Direct Clutch	AOD	SD-1240
EOAP-7E219-AB	Plate Assy.-Trans. Int. Clutch	AOD	SD-1240-B
EOAP-7E312-AA	Plate Assy.-Trans. Rev. Clutch	AOD	S-4980-4
E1EP-7E239-AA	Plate Assy.-Trans. Oil Clutch	ATI	SD-1240-B
E1EP-7E312-AA	Plate Assy.-Trans. Internal Splines-Reverse Clutch	ATI	S-4974-1

003243

IDENTIFICATION OF PRODUCTION MATERIALS & COMPONENTS CONTAINING ASBESTOS

<u>PART NUMBER</u>	<u>NAME</u>	<u>APPLICATION</u>	<u>MATERIAL SPECIFICATION</u>
08AP-7B164-D2	Plate Assy.-Trans. Clutch	C4	S-4767
D6AP-7E311-A1A	Plate Assy.-Trans. Forward Clutch	C6	SD-1240-B
D6AP-7E311-A2A	Plate Assy.-Trans. Forward Clutch	C6	S-4980-4
08AP-7H164-J	Plate Assy.-Trans. Clutch	C6	S-4893-1
D6AP-7E312-AA	Plate Assy.-Trans. Reverse Clutch	C6	SD-1240-B

003244

Asbestos Containing Parts
(Hydraulic Brake Group)

<u>Part Number</u>	<u>Description</u>	<u>Asbestos Content</u>	
		<u>Confirmed</u>	<u>Suspect</u>
EOHT-2010/11-FA	Hydraulic Brakes - Front	I	
D7TA-2010/11-GB	" " "	I	
D1TA-2010/11-JA	" " "	I	
D1TA-2010/11-KA	" " "	I	
DOTA-2010/11-E	" " "	I	
DOTA-2010/11-D	" " "	I	
EOHT-2010/11-CA	" " "	I	
EOHT-2010/11-BA	" " "	I	
EOHT-2209/10-HA	Hydraulic Brakes - Rear	I	
EOHT-2209/10-JA	" " "	I	
EOHT-2209/10-KA	" " "	I	
EOHT-2209/10-LA	" " "	I	
EOHT-2209/10-CA	" " "	I	
EOHT-2209/10-BA	" " "	I	
EOHT-2209/10-FA	" " "	I	
EOHT-2209/10-AA	" " "	I	
D8HT-2209/10-AA	" " "	I	
D8HT-2209/10-BA	" " "	I	
D3TA-2598-AA	Parking Brake - 9 x 3	I	
DOHT-2598-AA	" " 9 x 3	I	
D3TA-2598-BA	" " 10 x 3	I	
DOHA-2598-A	" " 12 x 4	I	

4/10/80

003245

Asbestos Containing Parts

(Air Brakes Group)

<u>Part Number</u>	<u>Description</u>	<u>Asbestos Content</u>	
		<u>Confirmed</u>	<u>Suspect</u>
D8HT-2010/11-CA	Brake Assy - Front (Wedge)	X	
D7HT-2010/11-EA	" " " (S-Cam)	X	
E0HT-2010/11-HA	" " "	X	
D8HT-2010/11-AA	" " "	X	
E0HT-2010/11-JA	" " "	X	
D7HT-2010/11-JA	" " "	X	
E0HT-2010/11-XA	" " "	X	
D7HT-2010/11-UA	" " "	X	
D7HT-2010/11-MA	" " "	X	
E0HT-2011 -GA	" " "	X	
E0HT-2011 -LA	" " "	X	
E0HT-2209/10-MA	Brake Assy - Rear (S-Cam)	X	
" " -NA	" " "	X	
" " -RA	" " "	X	
" " -DAA	" " "	X	
" " -VA	" " "	X	
" " -YA	" " "	X	
" " -EAA	" " "	X	
" " -CAA	" " "	X	
" " -BAA	" " "	X	
" " -CAA	" " "	X	
" " -ZA	" " "	X	
" " -FAA	" " "	X	
" " -AAA	" " "	X	
" " -UA	" " "	X	
" " -TA	" " "	X	
" " -SA	" " "	X	
D7HA-2209/10-AA	" " "	X	
" " -CCA	" " "	X	
" " -BZA	" " "	X	
" " -CAA	" " "	X	
D7HT-2209/10-OMA	" " "	X	
D5HA-2209/10-AGA	" " "	X	
" " -RA	" " "	X	
D7HT-2209/10-CKA	" " "	X	
D5HA-2875-AFA	Air Brake Compressor	X	
D5HA-2875-AHA	" " "	X	
D5HA-2875-YA	" " "	X	
D5HA-2875-ZA	" " "	X	
D6HA-2875-BA	" " "	X	
D6HT-2875-EA	" " "	X	
D6HT-2875-FA	" " "	X	
D9HT-2875-AD	" " "	X	
D9HT-2875-BA	" " "	X	
E0HT-2875-AA	" " "	X	
E0HT-2875-BA	" " "	X	
E0HT-2875-CA	" " "	X	
E0HT-2875-EA	" " "	X	
E0HT-2875-FA	" " "	X	
E1HT-2875-AA	" " "	X	
E1HT-2875-BA	" " "	X	

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ASBESTOS CONTAINING PARTS

<u>Part Number</u>	<u>Description</u>	<u>Asbestos Contant</u>
		<u>Confirmed</u> <u>Suspect</u>
C8HA-74596-S	Disc Assembly - Clutch	I
-74596-R	" " "	I
-7550-AR	" " "	I
-7550-AN	" " "	I
C4TA-7550-B	" " "	I
C9HA-7550-G	" " "	I
C9HA-7550-A	" " "	I
D4HA-7550-D1A	" " "	I
-74596-C1A	" " "	I
ECHT-7550-NA	" " "	I
-7550-NA	" " "	I
-74596-FA	" " "	I
-74596-AA	" " "	I
D4HA-7550-D2A	" " "	I
-74596-D2A	" " "	I
-7550-E1A	" " "	I
-74596-D1A	" " "	I
-7550-E2A	" " "	I
-74596-D2A	" " "	I
ECHT-7550-SA	" " "	I
-7550-KA	" " "	I
-74596-BA	" " "	I
-74596-CA	" " "	I
D4HA-7550-DA	" " "	I
-74596-CA	" " "	I
-7550-EA	" " "	I
-74596-DA	" " "	I
C8TA-7550-AS	" " "	I
-7550-AT	" " "	I
-7550-R	" " "	I
-7550-U	" " "	I
C8TA-7550-AM	" " "	I
-7550-AN	" " "	I
-7550-S	" " "	I
-7550-T	" " "	I
D3HA-7550-DA	" " "	I
-7550-EA	" " "	I
-7550-BA	" " "	I
-7550-CA	" " "	I

003248

Asbestos Containing Parts

<u>Part Number</u>	<u>Description</u>	<u>Asbestos Content</u>	
		<u>Confirmed</u>	<u>Suspect</u>
C8HA-7550-AB	Disc Assembly - Clutch		X
-7550-AL	" " "		X
-7A596-D	" " "		X
-7A596-M	" " "		X
D3HA-7550-FA	" " "		X
-7550-GA	" " "		X
-7A596-DA	" " "		X
-7550-EA	" " "		X
C8HA-7550-M	" " "		X
-7550-AG	" " "		X
-7A596-A	" " "		X
-7A596-H	" " "		X
D3HS-7E434-BA	Brake Assy. - Torque Limiting		X

BTEO
4/8/80

003249

Asbestos Containing Parts

<u>Part Number</u>	<u>Description</u>	<u>Asbestos Content</u>	
		<u>Confirmed</u>	<u>Suspect</u>
D7HT-9004650-AA	Spacer - Cigar Lighter		X

B. Fox
4/8/80

003250

ASBESTOS CONTAINING PARTSEngine Design Section

<u>Part Number</u>	<u>Description</u>	<u>Asbestos Content</u>	
		<u>Confirmed</u>	<u>Suspect</u>
EOHT-6007-AA	Engine Assemblies		X
-BA			
-CA			
-DA			
-EA			
-FA			
-GA			
-HA			
-JA			
-CEA			
-CGA			
-CFA			
-FNA			
-FRA			
-CEB			
-CFB			
-CRA			
-GAA			
-FZA			
-FGB			
-FHB			
-AYA			
-AZA			
-BAA			
-BDA			
-EEA			
-EFA			
-BGA			
-EHA			
-BJA			
-BKA			
-ELA			
-BMA			
-ENA			
-BRA			
-BSA			
-AYB			
-AZB			
-BAE			
-FEA			
-MD			
-ND			
-CZB			
-DAB			
-FCA			
-FDA			
-VD			
-YD			
-ZD			
-AAD			
-ASE			

003251

Asbestos Content
Confirmed Suspect

<u>Part Number</u>	<u>Description</u>	
EOHT-6007-ABB	Engine Assemblies	X
-ACB		
-ADB		
-AEB		
-AFB		
-AGB		
-DEB		
-DCB		
-DDB		
-CVB		
-CXB		
-CTB		
-CUB		
-EUB		
-ESB		
-ETB		
-ETB		
-EVB		
-EJA		
-EKA		
-ELA		
-EMA		
-EYA		
-EZA		
-FAA		
-FBA		
-FBB		
-CCA		
-CDA		
-CCB		
-CDB		
-CHA		
-CJA		
-CMA		
-CMA		
-CRA		
-CSA		
-FJA		
-FKA		
-FLA		
-FMA		
-GEB		
-GJB		
-GCC		
-GMB		
-GMB		
-ETA		
-EUA		
-EVA		
-EYA		
-EZA		
-ERA		
-ECA		
-EFA		
-ETB		

003252

<u>Asbestos Content</u>	
<u>Confirmed</u>	<u>Suspect</u>

<u>Part Number</u>	<u>Description</u>	
BOET-6007-BYB	Engine Assemblies	I
-BZB		
-BBB		
-BCB		
-FFB		
-KC		
-LO		
-DEB		
-DFE		
-DGB		
-DJB		
-DNA		
-DKA		
-BLA		
-DMA		
-DNA		
-DRA		
-DSA		
-DTA		
-DUA		
-DVA-		
-DYB		
-DZB		
-EAB		
-EBB		
-ECB		
-EDB		
-EEB		
-EFB		
-EGB		
-EHB		

ELHT-6007-JA	Engine Assemblies	I
-KA		
-LA		
-MA		
-NA		
-RA		
-ADA		
-YA		
-AAA		
-ABA		
-ACA		
-ZA		
-EA		
-FA		
-GA		
-HA		

003253



8 APR 80 23 56

W.R. TENNANT

Handwritten notes:
K...
L...
K...
9/8
D...

Inter Office

Truck Operations

March 31, 1980



Mr. J. W. Durstine

cc W. E. Davis
G. J. Kuchera
F. N. Parrill

Subject: Identification of Production Materials and Components Containing Asbestos

Since March 4, 1980, Light Truck Engineering has been compiling a list of components of our design responsibility that are suspected of containing asbestos.

The timing for the completion of this task was established prior to the receipt of your letter of March 14, 1980; therefore, the requested completion date of April 10, 1980 cannot be met.

The Light Truck Materials Group is scheduled to review and consolidate the component listing and forward it to Engineering Staff by April 30, 1980.

Handwritten signature: H. W. Potoczak

H. W. Potoczak

003254



Inter Office

Truck Operations

April 30, 1980

Mr. J. W. Durstine

Subject: Identification of Production Materials and
Components Containing Asbestos

Reference: Your letter, same subject, dated 3/14/80

Attached is a listing of Light Truck Engineering components known
to contain asbestos.

It must be recognized that in addition to these listed components,
there may be others that are manufactured from industry standard
materials (i.e., ASTM or SAE); the composition requirements of these
industry standard materials are sufficiently broad to permit residual
or trace amounts of asbestos to be undetected in the normal surveil-
lance of engineering components. The control of asbestos from this
source is beyond the scope of product engineering and perhaps could
be controlled by vendor certification obtained by Supply Staff.


K. W. Potoczak

GTL/sas

Attachment

003255

PRODUCED BY FORD

<u>ASSEMBLY NUMBER</u>	<u>DETAIL NUMBER</u>	<u>DESCRIPTION</u>	<u>MATERIAL CALLOUT</u>	<u>VEHICOR</u>	<u>VEHICOR CODE NUMBER</u>
OTA-2209/10-EA	EOTA-2284/5-BA	RR Brake Shoe Lining	ES-C8TA-2010-C	Bendix	H3140U Prim/H3152F Sec
OTA-2209/10-DB	EOTA-2284/5-AA	Lining Blank	ES-C8TA-2010-C	Bendix	H3140U, Prim/H3152F Sec
ASE 6003	E1TA-7550-BA	Driven Member Clutch	ES-D8TA-7550-AA	H.K. Porter	A219X177
ASE 6003	E1TA-7550-CA	Driven Member Clutch	ES-D8TA-7550-AA	H.K. Porter	A219X146CL
				Raybestos	US969X
ASE 6003	E1TA-7550-DA	Driven Member Clutch	ES-D8TA-7550-AA	H.K. Porter	A219X146CL
				Raybestos	US969X
ASE 6003	E1TA-7550-AA	Driven Member Clutch	ES-D8TA-7550-AA	H.K. Porter	A219X177
ASE 6003	E1TA-7550-EA	Driven Member Clutch	ES-D8TA-7550-AA	H.K. Porter	A219X146CL
	D4TA-7086-AA	Trans Ext Gasket	ESF M8055A	Crotty Corp.	
	DSAM-4035-A	Carrier Gasket	ESM M8G109B	Armstrong	AN880
	C90M-4797-B	Clutch Plate		Federal Mogul	F268-A
	C90M-4A325-B	Clutch Plate		Raybestos	R169B-4
				Raybestos	R169B-4
33TA-2598-D		Parking Brake Lining			
75UA-350038-AA, 3A, CA, DA, EA, FA		Econ PDV Box Assembly	RM6972 Sound Deadner RM6806 Joint Sealer RM6633 Seam Sealer RM6732 Seam Sealer	Sheller Globe	
D8TA-9900000-AA/BA		Courier Box Assembly	RM6999	Sheller Globe	
EOTA-5B266-AA		Res. Inlet Pipe Gskt.	ESE M8G106B, ESA M8G140A	Gerard Thos. Co.	

003256

POI

ASSEMBLY NUMBER	DETAIL NUMBER	DESCRIPTION	MATERIAL CALLOUT	VENDOR	VENDOR CODE NUMBER
EOTA-20120/1-BA	EOTA-2021-CA	Lining front wheel brake outer	ES-C0AA-20202-A, ES-D20A-20072-BB	Bendix	FMD7133
EOTA-20120/1-JA	EOTA-2021-CA	Lining front wheel brake outer	ES-C0AA-20202-A ES-D20A-20072-BB	Bendix	FMD7133
EOTA-20120/1-BA	EOTA-2022-CA	Lining front wheel brake inner	ES-D20A-20072-BB ES-C0AA-20202-A	Bendix	FMD7133
EOTA-20120/1-JA	EOTA-2022-CA	Lining front wheel brake inner	ES-D20A-20072-BB ES-C0AA-20202-A	Bendix	FMD7133
EOTA-20120/1-DA	EOTA-2022-BA	Lining front wheel brake inner	ES-C0AA-20202-A ES-D20A-20072-BB	Bendix	FMD 07133
EOTA-20120/1-DA	EOTA-2021-BA	Lining front wheel brake outer	ES-C0AA-20202-A ES-D20A-20072-BB	Bendix	FMD 07133
EOTA-20120/1-FA	D6TA-2019-DA	Shoe and lining inner	Vendor Print	Bendix	Backing Mat'l FMD 07157 Facing Mat'l FMD 07161-A
EOTA-20120/1-QA	D6TA-2019-DA	Shoe and lining inner	Vendor Print	Bendix	Backing Mat'l FMD 07157 Facing Mat'l FMD 07161-A
EOTA-20120/1-0A	D9TA-2018-AA	Shoe and lining outer	Vendor Print	Bendix	Backing Mat'l FMD 07157 Facing Mat'l FMD 07161-A
EOTA-20120/1-FA	EOTA-2018-EA	Shoe and lining outer	ES-E0TA-20120-AA	Cartified Brakes	CDM338A
EOTA-20120/1-EA	EOTA-2021-DA	Lining front wheel brake outer	ES-D6TA-2011B-AA ES-C0TA-20202-A	Bendix	Backing Mat'l FMD 07157-G Facing Mat'l FMD 07161-A
EOTA-20120/1-HA	EOTA-2021-DA	Lining front wheel brake outer	ES-D6TA-2011B-AA ES-C0TA-20202-A	Bendix	Backing Mat'l FMD 07157-G Facing Mat'l FMD 07161-A
EOTA-20120/1-EA	EOTA-2022-DA	Lining front wheel brake inner	ES-D6TA-2011B-AA ES-C0TA-20202-A	Bendix	Backing Mat'l FMD 07157-G Facing Mat'l FMD 07161-A
EOTA-20120/1-HA	EOTA-2022-DA	Lining front wheel brake inner	ES-D6TA-2011B-AA ES-C0TA-20202-A	Bendix	Backing Mat'l FMD 07157-G Facing Mat'l FMD 07161-A
EOTA-2209/10-JA		RR Brake Shoe Lining	ES-C9TA-2210-D	Bendix	H4641A Prim/H3191A Sec
D9TA-2209/10-KA		RR Brake Shoe Lining	ES-C8TA-2010-D	Bendix	H4641A Prim/H3191A Sec
D7TA-2209/10-HSB		RR Brake Shoe Lining	ES-C3TA-2010-D	Bendix	H4641A Prim/H3191A Sec
D7TA-2209/10-BTB		RR Brake Shoe Lining	ES-C87A-2010-D	Bendix	H4641A Prim/H3191A Sec

003257



APR 09 11:34

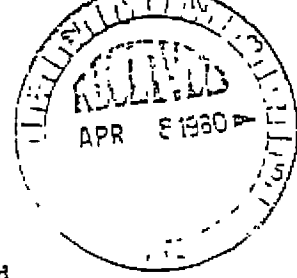
K.B. TERHAFF

KBT
Drub.

Inter Office

April 1, 1980

Chassis Engineering



To: J. W. Durstine ✓
cc: G. E. Adams
N. A. Pritinen
Subject: Identification of Production Materials and
Components Containing Asbestos

The list of asbestos-containing materials has been reviewed and the Chassis Engineering applications are listed on Attachment I. Brake friction materials which are not identified by Ford or Industry Standards are listed on Attachment II. To the best of our knowledge, these are the only asbestos-containing Chassis applications.

J. D. Velte
J. D. Velte

EPF:ah

JDV #80-114

Attachments

003258

CHASSIS MATERIALS CONTAINING ASBESTOS

<u>Material</u>	<u>Part Number</u>	<u>Part Name</u>
ESE-M4G109-A	D9AC-2A792-AA	Cover - P/Brt Cable Opening
ESE-M8G106-A	D50A-5B266-AA	Gasket Asy - Resonator
ESE-M8G106-B	D50A-5B266-AA	Gasket Asy - Resonator
ESA-M8G140-A	D50A-5B266-AA	Gasket Asy - Resonator
ESE-M8G149-A	ELEC-5F263-AA	Gasket Exh Conv to Manf

003259

BRAKE FRICTION MATERIALS CONTAINING ASBESTOS

Carline	Front Brakes		Rear Brakes	
	Inner	Outer	Primary	Secondary
1980 Pinto/Bobcat	D7FC-2022-AA	D7FC-2022-AA	D52A-2285-AA	D52A-2284-AA
1980 Mustang/Capri (2, 3L, 4, 2L)	D9ZC-2022-CA D9ZC-2021-CA	D9ZC-2016-DA D9ZC-2021-CA	D9ZC-2284-AA	D9ZC-2285-AA
1980 Mustang/Capri (2, 3L)	D9ZC-2022-DA	D9ZC-2016-CA D9ZC-2021-DA	D9ZC-2284-AA	D9ZC-2285-AA
1980 Fairmont/Zephyr (V8 & Police) 1980 T-Bird/IR-7	D9BC-2022-AA	D9BC-2021-CA	D6BA-2284-AA D9ZC-2284-AA	D5BA-2285-AA D9ZC-2285-AA
1980 Fairmont/Zephyr (4 & 6 cyl)	D8UC-2022-AB	D7UC-2021-AB	D9ZC-2284-AA	D9ZC-2285-AA
1980 Granada/Monarch/Verano/1100 4 Wheel Disc	D7DB-7609-AA	D7DC-7027-AA	D6DA-2284-AA D7HA-2314-AB	D5DA-2305-AA D7HA-2704-AB
1980 Ford/Mercury/Lincoln/Mark	D9AC-2022-AA	D9AC-2021-AB	D9AC-2284-DA	D9AC-2285-DA
1980 Ford/Mercury (Police)	D9AD-2022-CA	D9AC-2021-CA	D9AC-2284-DA	D9AC-2285-DA
1981 Escort/Lynx	E1EC-2021-AA	E1EC-2021-AA	E1EC-2284-BA E1EC-2284-AA	E1EC-2284-BA E1EC-2284-AA
1981 Granada/Cougar	D9BC-2022-AA	D8BC-2021-DA	***** Same as Fairmont/Zephyr *****	

Chassis Materials Engineering
J. Oira 3/27/80

003260



Inier Office

Engineering and Research Staff

May 29, 1980

Messrs. G. P. Burford ✓
J. J. Chermiside
C. D. Lauer -
C. D. Nichols
J. F. Oros

P. E. Prill
G. M. Purcell
R. H. Pyett ✓
P. E. Tomshany
F. R. Wheeler -

cc R. M. Dierkes
J. W. Durstine
A. B. Gates

A. B. M. Houston
J. H. Ogden -
K. B. Termaat

Subject: Production Materials and Components Containing Asbestos

Ref: Mr. R. M. Dierkes' letter of May 15, 1980, Same Subject

The attached form and form letter are forwarded for your use in contacting suppliers of production materials and components known to contain, or suspected of containing asbestos. Also attached are a consolidated list of the subject items, a list of light truck brake and clutch components which includes supplier names, and the list of EED items which includes seven Purchased in Assembly items not included in the consolidated list. Potential Suppliers of the Engineering Materials shown in the consolidated list have been entered in the Engineering Materials Approved Source List (ASL). Copies of the ASL may be obtained by calling this office (X-33800).

The material(s) and/or component(s) should be entered on the form, along with the suppliers' company name and address. The form and a copy of the form letter should be forwarded to each supplier of the item(s) listed. Please provide Mr. A. B. M. Houston, Environmental & Safety Engineering Staff, with a listing of suppliers contacted.

Your cooperation in performing this survey in time for the completed forms to be returned to ESES by August 30, 1980, is solicited.

L. T. Dixon

Attachments

003261