

FRICTION MATERIALS STANDARDS INSTITUTE, INC.

BERGEN MALL OFFICE CENTER

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PARAMUS, N. J. 07652

APR 21 1980

Mr. Richard Guilmond
Environmental Protection Agency
Office of Toxic Substances
Waterside Mall-East Tower
401 M Street Southwest
Washington, D.C. 20460

Dear Rich:

In our meeting in January we drafted several questions for the Membership concerning friction products containing asbestos. At our January 3, 1980 meeting we agreed on revision of some of the wording. Our question #4 was worded as follows: "Where you are the original equipment supplier of non-asbestos type disc brake linings would you describe the packaging of asbestos and non-asbestos linings within the brake itself? In other words, present model year and application data for:

- 4.1 Full non-asbestos linings
- 4.2 Non-asbestos friction material with asbestos backing
- 4.3 Use of non-asbestos lining at one position (inner or outer) with asbestos type lining at other position

The Friction Materials Standards Institute gathered some of this information from original equipment sources and we have the enclosed presentation to make as regards that information. I wish to caution, however, that some of the information is not clear-cut. In other words, in certain model years some semi-metallics which have been used on disc brakes were phased in and may not have been production for the full year.

We are still attempting to gather the information on the other questions that were asked. I must admit that replies have been slow. I will continue to attempt to gather sufficient information to provide you with reasonable answers to the other questions that were sent the Membership.

Sincerely,

FRICTION MATERIALS STANDARDS INSTITUTE, INC.

END/lmc

E. W. Drislane
Executive Director

FMSI--0342

FMSI 03635

POLICE AND TAXI USAGE OF NON-ASBESTOS DISC BRAKE LINING ON FRONTS

Police and Taxi usage of non-asbestos disc brake linings was as a Police/Taxi option--actual usage depended on customer ordering that option. Ford-Mercury in 1976-78 also had non-asbestos disc rears for the Police/Taxi option.

Non-Asbestos Lining
(With Asbestos Backing)

AMERICAN MOTORS

1978,	Concord Police, Taxi	Outer only
1978-75,	Matador Police	Both I & O

BUICK

1980-71,	Buick Police, Taxi	Both I & O
1980-79,	Century Police	Both I & O

CHEVROLET

1980-71,	Chevrolet Police, Taxi	Both I & O
1979-77,	Nova Police	Both I & O
1980-79,	Malibu Police	Both I & O

CHRYSLER

1980-76,	Chrysler Police, Taxi	Both I & O
1980-78,	Cordoba Police	Both I & O
1980-77,	LeBaron Police, Taxi	Both I & O

DODGE

1980-77,	Aspen Police, Taxi	Both I & O
1980-79,	St. Regis Police, Taxi	Both I & O
1980-77,	Diplomat Police, Taxi	Both I & O
1978-77,	Monaco Police, Taxi	Both I & O
1977,	Royal Monaco Police, Taxi	Both I & O

FORD

1980-78,	Fairmont Police, Taxi	Both I & O
1980-76,	Ford Police, Taxi	Both I & O
1980-76,	Granada Police, Taxi	Both I & O
1979-78,	LTD II Police, Taxi	Both I & O

MERCURY

1980-78,	Zephyr Police, Taxi	Both I & O
1980-76,	Mercury Police, Taxi	Both I & O
1980-76,	Monarch Police, Taxi	Both I & O

OLDSMOBILE

1980-71,	Oldsmobile Police	Both I & O
1980-79,	- Cutlass Police	Both I & O

PLYMOUTH

1980-77,	Volare Police, Taxi	Both I & O
1980,77,	Gran Fury Police, Taxi	Both I & O
1978,	Fury Police, Taxi	Both I & O

PONTIAC

1980-71,	Pontiac Police, Taxi	Both I & O
1980-79,	Phoenix Police	Both I & O

PASSENGER CAR AND LIGHT TRUCK USAGE OF NON-ASBESTOS DISC BRAKE LININGS

(See separate listing for Police/Taxi option usage)

		<u>Non-Asbestos Lining (With Asbestos Back)</u>	<u>Non-Asbestos Lining Only</u>
<u>AMERICAN MOTORS</u>			
1980,	Spirit, Concord 4's	Outer only	
1980,	Spirit, Concord, Eagle 6's	Outer only	
1979,	AMX	Outer only	
<u>BUICK</u>			
1980,	Buick Electra		I & O
1980-79,	Riviera	I & O	
1980,	Regal, Century	I & O or	I & O
1980,	Skylark (Power brakes)		I & O
1980,	Skylark (Manual brakes)		Inner only
1980-76,	Skyhawk	I & O	
1979-78,	Regal, Century (Power brakes)		I & O
1979-78,	Regal, Century (Manual brakes)		Outer only
1979-76,	Skylark		Outer only
1977-76,	Century (Manual brakes)	Outer only	
1975-73,	Apollo (Manual brakes)		Outer only
<u>CADILLAC</u>			
1980-79,	Eldorado (Diesel)	I & O	
1980-79,	Seville (Diesel)	I & O	
1980-68,	Commercial	I & O	
<u>CHEVROLET</u>			
1980,	Monte Carlo, Malibu	I & O or	I & O
1980,	Citation (Power brakes)		I & O
1980,	Citation (Manual brakes)		Inner only
1980-76,	Monza	I & O	
1980,	Chevette		Outer only
1980-76,	Camaro		Outer only
1979-78,	Monte Carlo, Malibu (Power brakes)		I & O
1979-78,	Monte Carlo, Malibu (Manual brakes)		Outer only
1979-76,	Nova		Outer only
1977-76,	Malibu (Manual brakes)	Outer only	
1977-76,	Vega	I & O	
1975-73,	Nova (Manual brakes)		Outer only

I - Inner Lining O - Outer Lining

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<u>Non-Asbestos Lining (With Asbestos Back)</u>		<u>Non-Asbestos Lining only</u>
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CHEVROLET TRUCK

1980-78, El Camino			I & O
1980-79, C-,K-,P-20	I & O	or	I & O
1980-79, C-,P-30	I & O	or	I & O
1980-79, K-30	I & O		
1980-79, P-30 (JF-9) (Front & Rear)	I & O		
1980-79, G-30			I & O
1978-76, C-,K-,P-20	I & O	or	I & O
1978-76, C-,G-,P-30	I & O	or	I & O

DODGE

1980-78, Omni	I & O
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DODGE TRUCK

1978-76, Mini Bus	I & O
1976, W-300	I & O

FORD

1980-79, Fairmont V8	I & O
1980, Thunderbird	I & O
1980-79, Mustang V8, Turbo 4	I & O
1980-79, Fiesta	Outer only
1980, Mustang V6	I & O

FORD TRUCK

1980-76, F-100 (4x4)	I & O
1980-77, F-150 (4x4)	I & O
1980-76, Bronco	I & O
1978-76, F-250 (Lt)	I & O
1980-76, E-250, F-250 (HD), E-350, F-350	Inner only
1980, E-350 School Bus	I & O

GMC TRUCK

1980-78, Caballero			I & O
1980-79, C-,K-,P-2500	I & O	or	I & O
1980-79, C-,P-3500	I & O	or	I & O
1980-79, K-3500	I & O		
1980-79, P-3500 (JF-9) (Front & Rear)	I & O		
1980-79, G-3500			I & O
1978-76, C-,K-,P-2500	I & O	or	I & O
1978-76, C-,G-,P-3500	I & O	or	I & O

MERCURY

1980-79, Zephyr V8	I & O
1980, Cougar	I & O
1980-79, Capri V8, Turbo 4	I & O
1980, Capri V6	I & O

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		<u>Non-Asbestos Lining (With Asbestos Back)</u>	<u>Non-Asbestos Lining Only</u>
<u>OLDSMOBILE</u>			
1980,	Oldsmobile 98		I & O
1980-79,	Toronado	I & O	
1980,	Cutlass	I & O	or I & O
1980,	Omega (Power brakes)		I & O
1980,	Omega (Manual brakes)		Inner only
1980-76,	Starfire	I & O	
1979-78,	Cutlass (Power brakes)		I & O
1979-78,	Cutlass (Manual brakes)		Outer only
1979-76,	Omega		Outer only
1978-76,	Toronado	Outer only	
1977-76,	Cutlass (Manual brakes)	Outer only	
1975-69,	Oldsmobile Commercial	I & O	
1975-74,	Toronado	I & O	
1975-73,	Omega (Manual brakes)		Outer only
<u>PLYMOUTH</u>			
1980-78,	Horizon	I & O	
<u>PONTIAC</u>			
1980,	LeMans, Grand Prix	I & O	or I & O
1980,	Phoenix (Power brakes)		I & O
1980,	Phoenix (Manual brakes)		Inner only
1980-76,	Sunbird	I & O	
1980-76,	Firebird (drum rears)		Outer only
1980-79,	Firebird (organic disc rears)	I & O	
1979-78,	LeMans, Grand Prix (Power brakes)		I & O
1979-78,	LeMans, Grand Prix (Manual brakes)		Outer only
1979-78,	Phoenix		Outer only
1977-76,	Ventura		Outer only
1977-76,	LeMans (Manual brakes)	Outer only	
1977-76,	Astre	I & O	
1975-73,	Ventura (Manual brakes)		Outer only
<u>Toyota</u>			
1980,	Corolla Coupe	I & O	