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MAR 18 1987

GREENE, O'REILLY, et al

March 11, 1987

TO: Asbestos Litigation Group Members

Dear Friends:

I am enclosing a copy of Ford Motor Company's "Brake Assembly and Lining Suppliers" list which I obtained in a recent brake exposure case.

Looking forward to seeing you in Monterey.

Sincerely yours,

Bruce L. Ahnfeldt
BRUCE L. AHNFELDT

BLA 19b
Enclosure

PLAINTIFF'S
EXHIBIT

FD-92

SCF-FORD-3557

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Ford Motor Company
Brake Assembly and Lining Suppliers

(Original Draft 12/20/82)

(Revised 2/24/83)

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PASSENGER CARS

DISC BRAKE ASSEMBLY

(Front and Rear)

<u>Year</u>	<u>Brake Assembly Supplier</u>	<u>Brake Lining Supplier</u>
1961 - 1982	Bendix Corporation	Bendix Friction Materials Division
	Kelsey-Hayes	Thiokol Chemical (1967-1982)
	Wagner Electric (1961-1968)	Raybestos Manhattan (1961-1974)
	Budd Company (1967-1974/small quantity)	Johns-Manville (1961-1974)
	Teves & Culpeper (1978-1982)	Thermoid Division, H.K. Porter (1961-1968; 1974-1977)
		Delco-Moraine Division of G.M. (1967-1974)
		Borg Warner (1975)
		Universal Manufacturing Company (1961-1968/minor supplier)

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PASSENGER CARS and LIGHT TRUCKS

DRUM BRAKE ASSEMBLY

(Front and Rear)

<u>Year</u>	<u>Drake Assembly Supplier</u>	<u>Drake Lining Supplier</u>
1960 - 1982	Bendix Corporation	Bendix Friction Materials Division
	Kelsey-Hayes	Raybestos Manhattan (1960-1971)
	Wagner Electric (1960-1981/cars only)	Thermoid Division, H.K. Porter (1960-1971)
	Budd Company (1960-1974/5)	Johns-Manville (1960-1971/some involvement)
	Raybestos Manhattan (1978-1982/cars only)	Abex Corporation (1982/semi-metallic linings)
	Varga (Brazil) (1980-1982)	
	Eaton Corporation (1980/cars only)	

CONFIDENTIAL - 2 -

LIGHT TRUCKS

DISC BRAKE ASSEMBLY

<u>Year</u>	<u>Brake Assembly Supplier</u>	<u>Brake Lining Supplier</u>
1970 - 1982	Bendix Corporation Dayton Walther Kelsey-Hayes (1970-1978) Thiokol Chemical (1970-1973/possible supplier)	Bendix Friction Materials Division Raybestos Manhattan (1970-1978) Royal (1980-1982/some Canadian company)

FINES

MEDIUM/HEAVY TRUCKS

<u>Year</u>	<u>Brake Assembly Supplier</u>	<u>Brake Lining Supplier</u>
	<u>Air Brakes - Front and Rear</u>	<u>Air Brakes - Front and Rear</u>
1970 - 1982	Rockwell International Eaton Corporation Wagner Electric (1976-1982/front) Bendix Corporation (1972-1976)	Raybestos (1973-1982) Bendix Friction Materials Division (1976-1982) Abex Corporation (1976-1982) Carlisle (1976-1982)
1970 - 1982	<u>Hydraulic Brakes - Front and Rear</u>	<u>Hydraulic Brakes - Front and Rear</u>
	Wagner Electric Bendix (1970-1976) Kelsey-Hayes (1970-1973; 1976-1982)	Bendix Friction Materials Division (1973-1982) Thiokol Chemical (1973-1976) Abex Corporation (1976-1982) Carlisle (1976-1982) Raybestos Manhattan (1976-1982)

P I D I S

MEDIUM/HEAVY TRUCKS (cont'd)

<u>Year</u>	<u>Brake Assembly Supplier</u>	<u>Brake Lining Supplier</u>
	<u>Disc - Front</u>	<u>Disc - Front</u>
1973 - 1976	Kelsey-Hayes	Johns-Manville (some involvement)
	<u>Drum</u>	<u>Drum</u>
1972 - 1980	Wagner Electric	Bendix Friction Materials Division (1972-1979)
	Kelsey-Hayes (1972-1979)	Thiokol Chemical (1976-1979)
	Bendix (1972-1979)	
	Rockwell International (1972-1976; 1980)	
	<u>"Wedge" Brake - Front and Rear</u>	<u>"Wedge" Brake - Front and Rear</u>
1970 - 1973/ 1976 - 1982	Bendix	Bendix Friction Materials Division (1976-1982)
		Abex Corporation (1976-1982)
		Carlisle (1976-1982)
		Raybestos Manhattan (1976-1982)

D I L L I S

MEDIUM/HEAVY TRUCKS (cont'd)

<u>Year</u>	<u>Brake Assembly Supplier</u>	<u>Brake Lining Supplier</u>
	<u>Air-Over-Hydraulic Brake -</u>	<u>Air-Over-Hydraulic Brake -</u>
	<u>Heavy Truck/Front</u>	<u>Heavy Truck/Front</u>
1976 - 1982	Kelsey-Hayes	Dendix Friction Materials Division Abex Corporation Carlisle Raybestos Manhattan

1976-1982

SPECIAL ORDER VEHICLES

CARS

*Majority of brake assemblies used are
regular production brakes for new cars
(suppliers already identified).

<u>Year</u>	<u>Brake Assembly Supplier</u>	<u>Brake Lining Supplier</u>
	<u>Police Fleets</u>	<u>Police Fleets</u>
1962 - 1982	Dana Corporation (specialty axles with Bendix brakes) Bendix Corporation (1979-1982)	Bendix Friction Materials Division (1969-1972; 1979-1982) Raybestos-Manhattan (1969-1972) Borg-Warner (1969-1972)

PHILADELPHIA

SPECIAL ORDER VEHICLES

TRUCKS

<u>Years</u>	<u>Brake Assembly Supplier</u>	<u>Brake Lining Supplier</u>
	<u>Military Trucks</u>	
1962 - 1971	Wagner Electric	
	<u>Kentucky Truck Plant</u>	<u>Kentucky Truck Plant</u>
1962 - 1982	Rockwell International Eaton Corporation Wagner Electric (front end only)	Abex Corporation

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MUTT VEHICLES

<u>Year</u>	<u>Brake Assembly Supplier</u>	<u>Brake Lining Supplier</u>
1959 - 1972	Unknown	Unknown
1972 - Unknown	Wagner Electric Co.	World Bestos Company Brake Lining Co. of America P. T. Brake Lining Co., Inc. Friction Materials Division, Bendix Corp.

Year 1941 to Unknown

Brake Assembly Supplier	Ford Model Gr	Brake Lining Supplier
Bendix	JEEPS	
Kelsey Hayes	Unknown	

PIEDMONT

AFTER MARKET PARTS

New (DEALERS)

(Drum and Disc Brakes)

<u>Year</u>	<u>Brake Assembly Supplier</u>	<u>Brake Lining Supplier</u>
1968 to Present	Bendix Corporation Kelsey Hayes Wagner Electric (not currently)	Bendix Friction Materials Division Raybestos Manhallan Abex Corporation

AFTER-MARKET PARTS

Ford Authorized Remanufacturers (FAR)

(Drum Brake Linings Only)

Year

Brake Lining Supplier

Unknown to
1982

Abex Corp., Friction Products Group

Bendix Corp., Automotive After Market
Operation

Bendix Corp., Friction Materials Division

Carlisle Corporation

Dayton-Walther Corporation

Eaton Corp., Brake Division

Johns-Manville Sales Corp.

Kelsey-Hayes Co.

Joseph Lucas North America, Inc.

Pak-Rite Industries

H. K. Porter Co., Inc.

Raybestos-Manhattan, Inc.

Rockwell International

Alfred Teves, Inc.

Toyo Kogyo Co., Inc.

Wagner Electric Corp.