

HAYES-ALBION

FMSI 07792

LAW OFFICES
ROBERT P. GORMAN
ONE PALMER SQUARE
P.O. BOX 483
PRINCETON, NEW JERSEY 08540

Hayes-Albion

JOHN ZEN JACKSON

(609) 924-7888
CABLE: "GORCO"

July 6, 1979

Mr. Robert W. Carlton
Senior Vice President - Administration
Hayes-Albion Corporation
1999 Wildwood Avenue
Jackson, Michigan 49202

RE: Friction Materials Standards Institute, Inc.
v. Hayes-Albion Corporation

Dear Mr. Carlton:

I represent Friction Materials Standards Institute, Inc.
(hereinafter FMSI).

Hayes-Albion Corporation (hereinafter Hayes-Albion) owes FMSI the sum of \$850, the balance due on Hayes-Albion's membership fee of \$1,700 to FMSI for the Institute's fiscal year of July 1, 1977 to June 30, 1978. While your company, a member of FMSI since 1975, attempted to withdraw from FMSI (citing your withdrawal from the automotive aftermarket) in late January 1979, Hayes-Albion was then, and remained, liable for the full \$1,700 fee for that fiscal year.

Mr. Drislane, executive secretary of FMSI, sent you copies of Article IX of the Institute's constitution, providing that:

"Cessation of Participation. Any Member, Regional Member or Licensee may withdraw from participation in the Institute at any time upon payment of its annual fees for the current year and all rights to participate shall cease as of such date."

FMSI 07793

Mr. Robert W. Carlton
Page 2
July 6, 1979

and of Article V of FMSI's by-laws, stating:

"Resignations. No member shall have the right to resign from the Institute while in debt for dues or assessments."

Your company became bound by those rules when in 1975 it chose membership in FMSI by your Mr. Voorhees.* Mr. Drislane also has sent you a copy of the application form whereby your company agreed to be bound to the above.

I also point out to you that FMSI membership is on the basis of annual, not semi-annual, dues. The annual fee can be paid in semi-annual installments purely for the convenience of members. Had Hayes-Albion paid the annual fee in one payment in July, would it (wholly apart from its legal obligation under the Constitution and by-laws) have asked for a rebate when it decided to terminate membership?

Moreover, I point out that Hayes-Albion did not drop out during the first half, or even at the mid-point of FMSI's calendar year (July 1 to June 30). Rather it continued nearly a full month into the second-half of that calendar year before terminating.

On all the above counts, therefore, your company owes FMSI \$850. While the amount is not large, the principle is to FMSI and I've been instructed to do what is necessary to collect that sum. I am prepared to, and will, do so.

Before suit is instituted, I earnestly ask that you reconsider prior refusals, and promptly send me a check for \$850 to the order of FMSI. I enclose a return envelope for that purpose. Please get the company's check to me not later than July 25, 1979, else the matter will be put into suit for collection.

Sincerely yours,



Robert P. Gorman

ebk

*While you say (letter dated August 24, 1978) that was not in fact authorized, he certainly had apparent authority (which is all the law requires), buttressed over the years by Hayes-Albion payment of fees to FMSI.

FMSI 07794

SENDER: Be sure to follow instructions on other side

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PS Form 3811 Nov. 1970 605-16-8127-1

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RETURN
TO

FRICITION MATERIALS STANDARDS INSTITUTE, INC.
BERGEN MALL OFFICE CENTER
E. 210 ROUTE 4
PARAMUS, N. Y. 07652

FRICION MATERIALS STANDARDS INSTITUTE, INC.
BERGEN HILL OFFICE CENTER
E. 210 ROUTE 4
PARAMUS, N. J. 07652

August 30, 1978

Mr. R. W. Carlton
Hayes-Albion Corporation
1999 Wildwood Avenue
Jackson, Michigan 49202

Dear Mr. Carlton:

This is in reply to your letter of August 24, 1978 concerning our correspondence requesting Hayes-Albion's payment of the balance of the annual fee for its Brake Systems Division's membership in the Friction Materials Standards Institute.

As explained in earlier correspondence, the annual fee is for membership in the Institute for the fiscal year July 1 through June 30. While I understand that Hayes-Albion may have closed down its Brake Systems Division nearly ten months ago we did provide Hayes-Albion Corporation with services from July 1, 1977 through January 1978. We were not advised of Hayes-Albion's intention to withdraw until we received your Mr. Rysso's letter of January 17, 1978, copy attached.

I am enclosing a copy of our Invoice #2431 dated July 1, 1977, billing the annual fee for the 1977-78 fiscal year. As you will note on this invoice the full year annual fee is \$1,700 and half only was billed and paid by Hayes-Albion at that time. The other half was then billed on January 1, 1978, which is the invoice that we consider open.

On Mr. Voorhees' signed application you will note that the applicant upon election to the membership agreed to accept the Constitution and By-Laws of the Institute. I've excerpted from our Constitution and By-Laws and you may wish to refer to those enclosed excerpts. The Constitution specifically states that the Institute's fiscal year is from July 1 through June 30. It also states under Article IX - Fees and Assessments, that any member may withdraw from participation in the Institute at any time upon payment of its annual fees for the current year. Those annual fees were \$1,700 of which Hayes-Albion Corporation paid \$850 in July 1977.

I'm enclosing an additional copy of the application form signed by your Mr. Voorhees in September 1974. In correspondence I had with Mr. Marcus Gudema of Hayes-Albion in 1973-74, I specifically indicated that our fiscal year was July 1 through June 30. We consider Mr. Voorhees' application, his acknowledgment of receipt of copies of the Constitution and By-Laws, and his agreement to be bound by these Constitution and By-Laws sufficient evidence that the full annual fee for the fiscal year July 1, 1977 to June 30, 1978 would be due if a Member participated in Membership anytime during that fiscal year.

FMSI 07797

Mr. R. W. Carlton
Hayes-Albion Corporation

-2-

August 30, 1978

We received no notification of the Hayes-Albion intent to withdraw from the Institute until Mr. Rysso's letter of January 17, 1978. Prior to that time in our 1977-78 fiscal year we had sent prints, technical bulletins and other information to Hayes-Albion. I had correspondence with Mr. Rysso and Mr. Adams during the early part of that fiscal year. We automatically provided prints of new brake linings and shoes as they were released along with technical bulletins and our services continued up until the time that we received Mr. Rysso's letter.

Based on the payment by Hayes-Albion of all fees and billings during the 1975-77 period, that should certainly be acknowledged by Hayes-Albion Corporation of its intention to participate as a member of the Friction Materials Standards Institute. If there is additional information you need I would be pleased to send it to you. In the meanwhile, as indicated in my letter of August 16, 1978, the Institute considers the \$850 on Invoice #2583 to be a valid receivable, and we again ask for its payment.

Sincerely,

FRICITION MATERIALS STANDARDS INSTITUTE, INC.

EWD/erc
Encs.

E. W. Drislane
Executive Director

FMSI 07798

EXCERPTS FROM CONSTITUTION:

ARTICLE III

MEMBERSHIP

Section 3. Applications. Applications for membership shall be made in writing and shall contain such information as may be required by the Board of Directors and an agreement on the part of the applicant that upon election to membership, to accept the Constitution and By-Laws of the Institute, together with any amendments that may, from time to time, be made thereto. Applications for admission as a Regional Member or as a Licensee likewise shall be made in writing and shall be subject to acceptance by the Board, but shall not require agreement by the applicant to be bound by the Constitution and By-Laws or by other regulations or codes adopted by the Institute, except as specifically provided herein.

ARTICLE VIII

FISCAL

Section 1. Fiscal Year. The fiscal year of the Institute shall commence on July 1st and end on June 30th.

ARTICLE IX

FEEES AND ASSESSMENTS

Section 5. Cessation of Participation. Any Member, Regional Member or Licensee may withdraw from participation in the Institute at any time upon payment of its annual fees for the current year and all rights to participate shall cease as of such date.

EXCERPT FROM BY-LAWS:

ARTICLE V

RESIGNATIONS

No member shall have the right to resign from the Institute while in debt for dues or assessments.

hayes-albion
corporation

August 24, 1978

Robert W. Carlton
senior vice president
administration

Mr. E. W. Dislane
Executive Director
Friction Materials Standards Institute, Inc.
Bergen Mall Office Center
E 210 Route 4
Paramus, NJ 07652

Dear Mr. Drislane:

Your letter of August 16 to Mr. John Wheeler of my staff has been brought to my attention. Hayes-Albion closed down its Brake Systems Manufacturing and Marketing Divisions nearly ten months ago and since that time all of the employees have been reassigned or terminated.

In reviewing your correspondence, senior management finds it difficult to see why any payments are required when the Institute physically furnished no service for Hayes-Albion during the year in question.

Additionally, we were not aware that Mr. Voorhees had made the commitment you describe since all memberships requested by our operating divisions require appropriate corporate approval.

We do not find any record or a required form from Mr. Voorhees or other members of management to participate as a member of the Friction Materials Standards Institute program.

Very truly yours,


Robert W. Carlton

RWC/b

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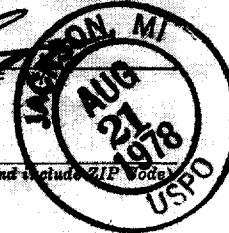
①

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FMSI 07802

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888709

INSURED NO.

1

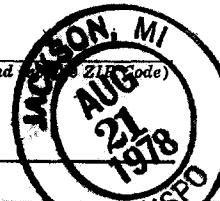
2

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DATE DELIVERED

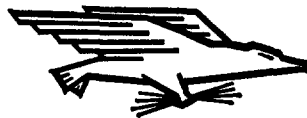
3

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FMSI 07803

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FMSI 07804

FRICION MATERIALS STANDARDS INSTITUTE, INC.
BERGEN MALL OFFICE CENTER
E. 210 ROUTE 4
PARAMUS, N. J. 07652

August 18, 1978

Mr. J. Wheeler
Hayes-Albion Corporation
1999 Wildwood Avenue
Jackson, Michigan 49202

Dear Mr. Wheeler:

I am enclosing copies of correspondence that I sent earlier to your Mr. Rysso and later to your Accounts Payable Department concerning our Invoice #2583 in the amount of \$850.

As explained in that correspondence, the 2nd half of the annual fee for the 1977-78 fiscal year is due the Institute. When Hayes-Albion Corporation joined the Institute it certified that it would abide by the Constitution and By-Laws of the Institute. I earlier enclosed a copy of the Constitution and By-Laws and the application for Membership signed by your Mr. Voorhees indicating acceptance of our Constitution and By-Laws.

The balance of that fee is due the Institute. Since writing Mr. Rysso and your Accounts Payable Department we have had no reply. One of our Directors called Hayes-Albion Corporation asking for payment of this balance. This is a legitimate obligation of Hayes-Albion Corporation, and we will take all legal means necessary to make this collection. We ask that you remit your check of \$850 to satisfy this obligation.

I am enclosing an additional copy of our invoice #2583 for your Accounts Payable Department.

Very truly yours,

FRICION MATERIALS STANDARDS INSTITUTE, INC.

EWD/lmc
CC: Gorman & Cole
1 Palmer Square
Princeton, N.J. 08540
CC: Board of Directors-FMSI

E. W. Drislane
Executive Director

FMSI 07805

FRICION MATERIALS STANDARDS INSTITUTE, INC.
BERGEN MALL OFFICE CENTER
E. 210 ROUTE 4
PARAMUS, N. J. 07652

April 11, 1978

Hayes-Albion Corporation
1999 Wildwood Avenue
Jackson, Michigan 49202

Attention: Accounts Payable

Gentlemen:

We are enclosing a copy of our invoice #2583 in the amount of \$850 which was sent to your Brake Systems Division as of January 1, 1978. This billing is for the second half of the annual fee for the 1977-78 fiscal year.

We were subsequently advised by Mr. Rysso of your Brake Systems Division that Hayes-Albion will be withdrawing from the Institute. We wish to point out that the annual fee for the 1977-78 fiscal year is for the period from July 1, 1977 to June 30, 1978. We bill in semi-annual installments at July 1 and January 1.

The balance of the fee is due the Institute in accordance with the Institute's Constitution and By-Laws which I am excerpting below.

Any Member, Regional Member or Licensee may withdraw from participation in the Institute at any time upon payment of its annual fees for the current year and all rights to participation shall cease as of such date.

In the application filed for Membership by Hayes-Albion Corporation, Mr. John F. Voorhees of Hayes-Albion, indicated that it would be bound by our Constitution and By-Laws. We consider this \$850 a valid receivable and are requesting payment by Hayes-Albion Corporation.

I am enclosing copies of our Constitution and By-Laws and the application for Membership signed by your Mr. Voorhees.

Sincerely,

EWD/lmc
Encs.

E. W. Drislane
Executive Director

FMSI 07806

FRICION MATERIALS STANDARDS INSTITUTE, INC.
BERGEN MALL OFFICE CENTER
E. 210 ROUTE 4
PARAMUS, N. J. 07652

February 1, 1978

Mr. Ernest Rysso
Hayes-Albion Corporation
Brake Systems Division
1999 Wildwood Avenue
Jackson, Michigan 49202

Dear Ernie:

This is to acknowledge your letter of January 17, 1978. We of course regret that Hayes-Albion is withdrawing but understand that these decisions are made and are final. Thank you for your cooperation and participation in the affairs of the Institute.

I have a problem as regards the timing of this withdrawal from the Institute. I've enclosed a copy of the Constitution and By-Laws and refer to Article IX, Section 5, on page seven:

Any Member, Regional Member or Licensee Member may withdraw from participation in the Institute at any time upon payment of its annual fees for the current year and all rights to participation shall cease as of such date.

We are on the fiscal year July 1, 1977- June 30, 1978 and the outstanding balance on your annual fee is \$850. I believe an invoice for that amount was sent on January 1, 1978. I discussed this resignation with Mr. Messier and must advise you of this Section in the Constitution. When Hayes-Albion forwards the \$850 balance we will accept your resignation as of the date of receipt of the payment or as of June 30, 1978 if you prefer.

Again my thanks for your efforts and participation in the Institute.

Sincerely,

FRICION MATERIALS STANDARDS INSTITUTE, INC.

EWD/lmc
Enc.

CC: Mr. F. E. Messier

E. W. Drislane
Executive Director

FMSI 07807

Mr. Ernest Ryso
Hayes-Albion Corporation
1999 Wildwood Avenue
Jackson, Michigan 49202

January 24, 1978

Dear Ernie:

It is with regret to learn of the termination of membership by Hayes-Albion in the Friction Materials Standards Institute.

In spite of the short time you were personally associated with F.M.S.I., your contribution to the group, its activities and efforts on behalf of the industry was immense and sincerely appreciated.

I personally want to thank you for your assistance and look forward to seeing you again in the near future.

With best regards,

F. E. Messier
Director of OE Service Sales

FEM:jb

cc: E. Drislane ✓

FMSI 07808

hayes-albion
corporation
brake systems division



January 17, 1978

Mr. Fran Messier
Friction Materials Standard Inst., Inc.
E-210, Route #4
Paramus, New Jersey 07652

Dear Fran:

Effective immediately, Hayes-Albion is withdrawing its membership in the Friction Materials Standard Institute. This action is taken with much regret as we have found the institute to be most valuable and helpful. However, changing business conditions have lead to our decision to withdraw from the automotive aftermarket and close our production facilities for friction materials.

We wish to thank the institute, again, for their invaluable aid and assistance. A special thank you is extended to Mr. Ed Drislane, secretary to the institute, whose courtesy and assistance were appreciated.

Yours truly,

Ernest Rysso
Manager Brake Systems

ER/ak

cc: JWheeler
EDrislane, F.M.S.I.



Hayes-Albion

An **IC Industries** Company

Abex Corporation
Friction Products Group
Suite 710
3001 West Big Beaver Rd.
Troy, MI 48064
(313) 643-4400

July 21, 1978

Mr. E. W. Drislane, Secretary
Friction Materials Standards Institute, Inc.
Bergen Mall Office Center
E. 210 Route #4
Paramus, New Jersey 07652

Subject: FMSI Dues Owed by Hayes-Albion Corporation

Dear Ed:

This is to inform you that I have tried unsuccessfully for almost three weeks now to resolve this situation as we discussed at the recently held Board meeting. I finally was able to determine from a Mr. Baker, of the Accounts Payable Department of Hayes-Albion, that a decision had been reached by Hayes-Albion not to pay the outstanding amount due of \$850. He informed me this decision was reached by a Mr. Wheeler whom I have had no luck in trying to contact and in addition he has not returned my phone messages.

Ed, at this point I would suggest I have done everything I can and that a strong letter be sent by you to both Baker and Wheeler at Hayes-Albion on the subject to see if they can resolve this. For your information the telephone number at Hayes-Albion is (517) 782-9421.

Sincerely,



R. L. Cutler

/la

FMSI 07810

MAILING LIST CHANGE

Member Hoyes - Albert

Date 11/1/77

This change effects the following lists:

General Bulletins - Active	☒	Foreign Shoe Bulletins	☐
General Bulletins - Regional	☐	Delegates & Alternates	☐
General Bulletins - Licensees	☐	Annual Fee Billing	☐
Data Book Bulletins	☐	Regular Billing	☐
Shoe Bulletins	☐		

Change List As Follows:

add: General Bulletins - List C
 Add: E. Ryser
 Hoyes - Albert Corp.
 Book Systems Division
 1999 Washington Ave
 Jackson, MI 49202

Source of Change: One

	<u>Name</u>	<u>Date</u>
Requested by:	<u>One</u>	<u>11/1/77</u>
Rolodex Files (Both) Changed:	<u>EPR</u>	<u>11/1/77</u>
Addressograph Plate Changed:	<u>EPR</u>	<u>11/1/77</u>
Address/Telephone Directory Changed:	<u>EPR</u>	<u>11/1/77</u>

OCT 27 1977

SALES BULLETIN

hayes-albion
corporation
brake systems division



OCT 27, 1977

Hayes-Albion
Brake Systems Accounts

Effective November 1, 1977, Hayes-Albion has elected to withdraw and discontinue its line of Automotive Brake products. This includes the complete lines of disc brake rotors, brake drums, lined disc brake shoe sets and wheel hardware.

Current market conditions and opportunities in other markets dictate this very difficult decision. Your support of our program and products has been most appreciated. We regret this action is necessary, at this time.

Please contact us or our representative if you have any areas which need clarification or resolution. An agreement has been reached with the Aimco Division, of I.T.T., for continued supply of disc brake rotors and brake drums after November 1. You should be contacted by them within the near future.

We will be contacting you, directly, if it is necessary to cancel any unfilled orders.

Thank you, again, for your support and patronage.

Sincerely,

Ernest Ryssio
Manager - Brake Systems Marketing

RK,ak

cc: RCarlton
KHoyt, Aimco
JAganove, Astro
RWyatt

1999 WILDWOOD AVENUE, JACKSON, MICHIGAN 49202 • PHONE 517/782-9421

FMSI 07812

SALES BULLETIN

hayes-albion
CORPORATION
brake systems division



October 27, 1977

TO: All Hayes-Albion Accounts

SUBJ: Sale of Lined Disc Brake Set Inventory

As announced elsewhere, Hayes-Albion has discontinued sale of its line of lined disc brake shoe sets, effective November 1, 1977. During the next 30 days, we will be considering offers for remaining inventories.

If you are interested in purchasing all, or part of, the remaining inventory, please contact me for further details.

Thank you.

Sincerely,

Ernest Rysso
Manager - Brake Systems Marketing

ER:ak

MAILING LIST CHANGE

Member HAYES - ALBION

Date 8/12/77

This change effects the following lists:

General Bulletins - Active	☒	Foreign Shoe Bulletins	☐
General Bulletins - Regional	☐	Delegates & Alternates	☒
General Bulletins - Licensees	☐	Annual Fee Billing	☐
Data Book Bulletins	☒	Regular Billing	☐
Shoe Bulletins	☒		

Change List As Follows:

List A, List F - change R. H. WYATT FROM MOTTO
 REMOVE MOTTO FROM List G DO NOT ADD WYATT
 ADD MR R. H. WYATT TO REPLACE MOTTO
 HAYES ALBION, OHIO
 FRICTION PRODUCTS PLANT
 P.O. Box 3190 CRS
 TABLSON CITY IN 37601

Source of Change: E. RYAN, LTR 8/9/77

	<u>Name</u>	<u>Date</u>
Requested by:	<u>SWL</u>	<u>8/12/77</u>
Rolodex Files (Both) Changed:	<u>ERC</u>	<u>8/12/77</u>
Addressograph Plate Changed:	<u>ERC</u>	<u>8/12/77</u>
Address/Telephone Directory Changed:	<u>ERC</u>	<u>8/12/77</u>

August 9, 1977

Mr. E. W. Drislane,
Executive Director
Friction Materials Standards Institute
E-210 Route 4
Paramus, N.J. 07652

Dear Ed:

Due to changes in our organization, it would be most appreciated if you would delete Mr. John Motto's name as Alternate Delegate and add Mr. Ron H. Wyatt. Mr. Wyatt is at our Johnson City, Tenn location and the address is shown below:

Hayes-Albion Corporation
~~Brake Systems Mfg. Div.~~
Friction Products Plant
P. O. Box 3190 C.R.S.
~~(2707 Oakland Ave.)~~
Johnson City, Tenn. 37601

Telephone
615-929-8177

Best regards.

Yours truly,



Ernest Rysso
Manager
Brake Systems Marketing

ER/mh

cc: RHWyatt

↓

hayes-albion
brake systems mfg. division
friction products plant

August 1, 1977

Mr. E.W. Drislane
Friction Materials Standards Institute, Inc.
E-210, Route 4
Paramus, N.J. 07652

Dear Mr. Drislane,

In response to your Bulletin #604, 7-8-77, regarding "Quality Control Program", request the following printed material:

- (1) Ford Q-101
- (2) FMSI, "Suggested Outline for Quality Control", Easton
- (3) FMSI, "Sample Size and Test Frequency Selection", Easton
- (4) GM Quality Standard for Purchased Material
- (5) FMSI, "Master Batch Concept", Company A.
- (6) FMSI, "Segment Identification", Company B.
- (7) FR- March 19, 1975, "Manufacturer Identification Code".
- (8) GM R-60
- (9) Ford ES Test III-C
- (10) DOT 105-75
- (11) Ford ES Test III-D

I have been unable to obtain copies of MIL-105-D and MIL-Q-9858A from the U.S. Gov. Printing Office. If you could provide copies of these it would be very helpful.

Very Truly Yours,



J. Adams

JA:ner

*Shipper # 2491
sent 8/4/77*

FMSI 07816

MAILING LIST CHANGE

Member Hayes - Albron

Date 7/18/77

This change effects the following lists:

General Bulletins - Active	☐	Foreign Shoe Bulletins	☐
General Bulletins - Regional	☐	Delegates & Alternates	☐
General Bulletins - Licensees	☐	Annual Fee Billing	☐
Data Book Bulletins	☒	Regular Billing	☐
Shoe Bulletins	☒		

Change List As Follows:

Active Member - List D
List E

Add (replacing individual)

Mr JIM KENNEDY
HAYES ALBION GREA
Buckington Avenue
1185
JACKSON, MI 49202

Source of Change: JKENNEDY phone 7/18/77

	<u>Name</u>	<u>Date</u>
Requested by:	<u>One</u>	<u>7/18/77</u>
Rolodex Files (Both) Changed:	<u>ERL</u>	<u>7/19/77</u>
Addressograph Plate Changed:	<u>ERL</u>	<u>7/19/77</u>
Address/Telephone Directory Changed:	<u>—</u>	<u>—</u>

Friction Materials Standards Institute
TO - E-210, Rt. 4
PARAMUS, N. J. 07652

FROM
HAYES-ALBION CORPORATION
Friction Products Plant
P. O. BOX 3190 CRS
JOHNSON CITY, TENNESSEE 37601

SUBJECT: Disc Brake Backing Plate D-122-INNER DATE: 11/30/76

FOLD ↑

Request drawing(s) showing dimensional
specifications for the above part number.

Thank you for your assistance

CC: CHZ

PLEASE REPLY TO →

SIGNED

Joh W. Adams

REPLY

DATE:

SIGNED

GRAYARC CO., INC., BROOKLYN, N. Y. 11232

THIS COPY FOR PERSON ADDRESSED

FMSI 07818

December 2, 1976

Mr. John W. Adams
Hayes-Albion Corporation
Friction Products Plant
P.O. Box 3190 CRS
Johnson City, Tennessee 37601

Dear Mr. Adams:

This is to reply to your request for dimensional specifications for FMSI #D-122 Inner.

You requested drawings showing dimensional specifications for the D-122 Inner. When Delco-Moraine Division provided the D-122 information, they blocked out all detailed dimensions. Some shoe manufacturers insist on blocking out dimensions when they provide us with drum brake or disc brake shoe information. Essentially, they provide drawings for identification only.

However, the D-122 Inner shoe is the same as the D-52 Inner shoe except for the location of the depression shown by section AA on the D-122 Inner drawing. I do not have the location and dimensions for this depression. I suggest that you go to a dealer and purchase the D-122 lining-shoe assembly and measure this depression and its location.

Enclosed are copies of the D-52 Inner and D-122 Inner as we have them at the Office.

Sincerely,

FRICTION MATERIALS STANDARDS INSTITUTE, INC.

EWD/lmc
Encs.

E. W. Drislane
Executive Director

FMSI 07819

TO Friction Materials Standards Institute
Rt. #4, E-210
PARAMUS, N.J. 07652

FROM HAYES-ALBION CORPORATION
Friction Products Plant
P. O. BOX 3190 CRS
JOHNSON CITY, TENNESSEE 37601

SUBJECT: Drawings
FOLD ↑

DATE: 10/21/76

Request drawings showing the
dimensional specs. for the 7055-D121.

Thank you,

PLEASE REPLY TO →

SIGNED

John W. Adams

REPLY

No charge shipped
000176
10/26/76

DATE:

SIGNED

GRAYARC CO., INC., BROOKLYN, N. Y. 11232

THIS COPY FOR PERSON ADDRESSED

FMSI 07820

Hayes-Albion

June 11, 1976

Mr. J. Adams
Hayes-Albion Corporation
Friction Products Plant
P. O. Box 3190 CRS
Johnson City, Tennessee 37601

Dear Mr. Adams:

This is to reply to your note concerning interchangeability of D-53-1 and D-86-1. I'm really not in a position to advise you as to whether these are interchangeable. You'll have to understand my position. I do the best I can to get information on the OEM linings and shoes. I feed this to our members. The members who sell in the aftermarket are best qualified to tell what is interchangeable, or what numbers they can consolidate to reduce the proliferation of parts.

As I understand that you can get technical and market assistance from Abex, I suggest you contact Mr. Phil Grim or others in his department at Abex-Winchester.

I am not in a position to say that one part interchanges with another for after-market use. If I did say so, and it did not work out, perhaps I'd be on the bad end of a law suit. Interchange and consolidation are judgment matters for the individual manufacturer.

However, I consider this almost academic because the D-53 application is practically non-existent. It was used on a few thousand Dodge Trucks in 1972. I don't know of anyone who uses actual D-53 to service these applications.

Enclosed are prints of D-53-1, D-86-1, 787-1, 7019-1.

Sincerely,

FRICTION MATERIALS STANDARDS INSTITUTE

EWD/erc
Enclosures

E. W. Drislane
Executive Director

FMSI 07821

TO *Friction Materials Standards Institute*
E-210, Rt #4
PARAMUS, N. J. 07652

FROM
HAYES-ALBION CORPORATION
Friction Products Plant
P. O. BOX 3190 CRS
JOHNSON CITY, TENNESSEE 37601

SUBJECT: *Disc Brake Backing Plates*

DATE: *6/5/76*

FOLD 

Please provide us with information concerning the interchangeability of the D-53-I and D-86-I backing plates. Also, please comment on the pucks.

Thank you,

PLEASE REPLY TO  SIGNED

J. Adams

DATE

SIGNED

GRAYARC CO., INC., BROOKLYN, N. Y. 11232

THIS COPY FOR PERSON ADDRESSED

FMSI 07822

↓

hayes-albion
corporation
brake systems division

April 27, 1976

Mr. E. Drislane
Friction Materials Standards Institute
Bergen Mall Office Center
E 210 Route 4
Paramus, N.J. 07652

Ed

Dear Ed:

Confirming our conversation, Marc Gudema and John Voorhees are no longer with Hayes-Albion. Please revise your records to show myself as F.M.S.I. Delegate, and Mr. John V. Motto as Alternate.

In addition, I would be very interested in again rendering my services to one, or more, of the various F.M.S.I. committees. As I mentioned, we also have a young fellow, Mr. Dave Sutherland, who is closely involved with our application and catalog efforts. I feel he would be a positive asset to the Data Book and Technical Committee. I would appreciate your forwarding this interest to the various committee chairman.

Enclosed is the mailing list for General Bulletins you requested. The only change I have made is the addition of Carl Zahler, at our Johnson City, Tennessee location, for mailings on Brake Regulations and Testing. I think this mailing list is an excellent idea. I hope its not too much of a problem to administrate.

Best regards.

Very truly yours,

Ernest Rysso

Ernest Rysso
Sales Manager

ER/m

Enclosure

cc: JVMotto/DDSSutherland/CZahler

FMSI 07823

MAILING LIST CHANGE

Member Hayes Albani

Date 4/23/76

This change effects the following lists:

General Bulletins - Active	☒	Foreign Shoe Bulletins	☐
General Bulletins - Regional	☐	Delegates & Alternates	☒
General Bulletins - Licensees	☐	Annual Fee Billing	☒
Data Book Bulletins	☒	Regular Billing	☒
Shoe Bulletins	☒		

Change List As Follows:

Remove Gudema, Voorhes
Replace with: Ryser, Motto

Ernest W Ryser
John Motto

Source of Change: E Ryser phone 4/23/76

	<u>Name</u>	<u>Date</u>
Requested by:	<u>and</u>	<u>4/23/76</u>
Rolodex Files (Both) Changed:	<u>ERE</u>	<u>4/23/76</u>
Addressograph Plate Changed:	<u>ERE</u>	<u>4/23/76</u>
Address/Telephone Directory Changed:	<u>ERE</u>	<u>4/23/76</u>

Hayes Albion

February 18, 1976

Mr. C. Zahler
Hayes-Albion Corporation
2807 Oakland Avenue
Johnson City, Tenn. 37601

Dear Carl:

I am returning Hayes-Albion Corp. check for \$0.57. We usually provide a small order of this type at no charge.

I'd like to point out that even if this were a large order we can't take prepayment. The price quoted was preliminary. The final price is dependent on number of pages, total quantities ordered and any possible extras. Also, freight or mailing charges are billed.

Your order for 5 copies has been entered on a no charge basis.

Sincerely,

FRICTION MATERIALS STANDARDS INSTITUTE

EWD/ero
Enclosures

E. W. Drislane
Executive Director

FMSI 07825

TO

Tweddle Litho Company

24000 Harper Avenue

St. Clair Shores, Mich. 48080

FROM

HAYES-ALBION CORPORATION

Friction Products Plant

P. O. BOX 3190 CRS

JOHNSON CITY, TENNESSEE 37601

SUBJECT: 1976 Supplement to 1975 Automotive Data Book

DATE: 2-10-76

-D↑

Gentlemen:

Please send us (5) 1976 supplements to the FMSI 1975 Automotive Data Book with 5 hole punching. Enclosed is our check no. 244 in the amount of \$.57 to cover the cost. Thank you.

PLEASE REPLY TO → SIGNED C. H. Zahler, Plant Engineer

5 cc

w/c

5 cc
5/17/76
per
no charge

DATE

SIGNED

GRAYARC CO., INC., BROOKLYN, N. Y. 11232

THIS COPY FOR PERSON ADDRESSED

FMSI 07826



January 9, 1976

Mr. E. W. Drislane
Friction Materials Standards Institute, Inc.
E-210 Route #4
Paramus, New Jersey 07652

EWG

Dear Mr. Drislane:

I have just received your Shoe Bulletin No. 77 and noted that the D-50 steel back required a 7056 puck for most 1976 Ford applications. I would be interested in obtaining a drawing of the 7056 puck if you could possibly provide. If not, any information you have concerning how they differ from the 788/7013 pucks would be very helpful.

Also, a drawing of the D-119 Monza shoe would be of interest to us.

Thank you for your assistance in this matter.

Very truly yours,

J.W. Adams

J. W. Adams
Engineering Technician

JWA/hp

CC: RWAbbott
CHZahler

FMSI 07827

January 14, 1976

Mr. J. W. Adams
Hayes-Albion Corp.
Brake Systems Mfg. Division
P.O. Box 3190 C.R.S.
2707 Oakland Avenue
Johnson City, Tennessee 37601

Dear Mr. Adams:

This is to reply to your letter of January 9, 1976 concerning the 7056 puck on the D-50 steel. Enclosed are drawings of 7056A (Inner) and 7056A (Outer).

As noted on the drawings and on Data Book Bulletin No. 259 (Copy attached):

7056A (I) is same as 7013A (I)
7056A (O) is same as 788 (G)

As regards the D-119 Monza shoe, I cannot give you any information. Chevrolet is making changes in the steel which have not been finalized as of this date. When Chevrolet has fixed up their design, I will let all members know.

Sincerely,

FRICTION MATERIALS STANDARDS INSTITUTE

EWD/lmc
Enc.

E. W. Drislane
Executive Director

FMSI 07828



November 13, 1975

Friction Materials Standards Institute
E-210 Route 4
Paramus, New Jersey 07652

Re: Bulletin No. 554 dated November 11, 1975

Gentlemen:

Please send us five copies of your new 1975 Brake Block Identification Catalog. Enclosed you will find one dollar (\$1.00) in payment for these catalogs.

Thank you.

Very truly yours,

C. H. Zahler
Plant Engineer

CHZ/hp

Enclosure

sent
11/17/75

FMSI 07829

Please send four prints each of the following parts to D. Sutherland
Hayes-Albion Corp.
1999 Wildwood Ave.
Jackson, MI 49202

517-782-9421

D33 Inner
D33 Outer
D34 Inner
D34 Outer
D36
D52 Inner
D52 Outer
728A Inner
728A Outer
773 Inner
773 Outer
776 Inner
776 Outer
778
779
781
7013A Inner
7013A Outer
7028A
728-D1
730-D11
731-D18
732-D10
751-D19
762-D3
771-D20
772-D16
D38
D39
787-D53
788-D50
7013-D92
7017-D84
7018-D85
7019-D86
7020-D87
7024-A-D89
7026A-D90
7027A-D91
7029-D93
D8

Called D. Sutherland
1 to thought 4 cc each
was free. Cancelled
order.
EWD
8/75

FMSI 07831

	1	2	3	4	5
	← Coupled →		← Sides →		← L.M. →
1	D 33-I	773-D			113-D-31(I)
2	D 33-O	773-O			772-D-31(O)
3	D-34-I	776-D			
4	D-34-O	776-O			
5	D-36	779			
6	D-52-I	778-A-I			
7	D-52-O	778-A-O			
8	D-88	778			
9	D-89	781			
10	D-8	7028A			
11					
12	728-D-1				
13	730-D-11				
14	731-D-18				
15	732-D-15				
16	751-D-19				
17	762-D-3				
18	771-D-20				
19	772-D-16				
20	787-D-53				
21	788-D-50				
22	7013-D-92	7013A-I	D-92(I)		
23		7013A-O		D-92(O)	
24	7017-D-84				
25	7018-D-85				
26	7019-D-86				
27	7020-D-87				
28	7024A-D-89		D-89(I)	D-89(O)	7024A(I) 7024A(O)
29	7026A-D-90				
30	7027-D-91				
31	7029-D-93		D-93(I)	D-93(O)	7029(I) 7029(O)

↓

hayes-albion **la**
brake systems mfg. division
friction products plant

September 10, 1975

Mr. E. W. Drislane
Friction Materials Standards Institute, Inc.
E-210 Route 4
Paramus, New Jersey 07652

Dear Mr. Drislane:

We were told that there was concern within the industry regarding a pending regulation requiring the manufacturer of brake linings to establish a system whereby each segment could be traced to the original batch indicating the production parameters under which it was produced. As I recall, the pending regulation applied only to truck blocks.

Could you possibly bring us up-to-date on the status of this regulation and whether or not it is applicable to all vehicle brake linings?

Very truly yours,

J. W. Adams
J. W. Adams
Engineering Technician

JWA/hp

CC: R. W. Abbott
C. H. Zahler

FMSI 07833

September 16, 1975

Mr. J. W. Adams
Hayes Albion Corporation
Friction Products Plant
P.O. Box 3190 C.R.S.
Johnson City, Tennessee 37601

Dear Mr. Adams:

This is to reply to your letter of September 10, 1975. The regulation you are referring to concerns the Defect Notification requirements proposed by Docket 75-10, to take effect on September 1, 1975.

I am enclosing:

- (1) Federal Register May 6, 1975, NHTSA Defect Notification Requirements
- (2) Overview by DOT dated May 15, 1975
- (3) Overview by ASIA dated May 12, 1975

As you will note there are no specific requirements to establish a system to trace equipment. Also, it covers all equipment--brake linings, brake blocks, etc.

The traceability is inferred, not mandated. For example, if a customer has a lining failure, the manufacturer should study it, and perhaps--if the evidence indicates--commence notification. If he has a second failure, and then a third failure, it would be getting a little warm, and notification might be thrust on him. Now, who do you notify? How much of your material is suspect? The NHTSA can say all is suspect and you must make a complete notification and recall all the "defective equipment."

However, if your data could indicate the failures were only on a certain batch, or on lining produced with certain date codes, you could limit your notification and recall to that material. While batch or date coding is not mandated, it is to the manufacturers advantage, to be able to identify batches or dates manufactured, so that he might limit a notification or a recall to that specific material.

As indicated, the batch or date identification is not mandated. It is inferred. The purpose is to limit the size of a recall.

Sincerely,

EWD/lmc
Encs.

E. W. Drislane
Executive Director

FMSI 07834

MAILING LIST CHANGE

Member Hayes - Albin Corp

Date 7/2/75

This change effects the following lists:

General Bulletins - Active	☒	Foreign Shoe Bulletins	☐
General Bulletins - Regional	☐	Delegates & Alternates	☐
General Bulletins - Licensees	☐	Annual Fee Billing	☐
Data Book Bulletins	☐	Regular Billing	☐
Shoe Bulletins	☐		

Change List As Follows:

add: Mr Carl Zahler
Hayes - Albin Corporation
Division Products Plant
P.O. Box 3150 C.E.S.
Johnson City, Tennessee 37601

Source of Change: C. Zahler phone 7/2/75

	<u>Name</u>	<u>Date</u>
Requested by:	<u>AWJ</u>	<u>7/2/75</u>
Rolodex Files (Both) Changed:	<u>ERC</u>	<u>7/2/75</u>
Addressograph Plate Changed:	<u>ERC</u>	<u>7/2/75</u>
Address/Telephone Directory Changed:	<u>none</u>	<u>none</u>

Hayes-Albion

June 6, 1975

Cue

Mr. Kerry White
Success, Inc.
1345 West 16th Street
Indianapolis, Indiana 46202

Dear Mr. White:

Would you please make the following shipment by truck from our inventory of Catalogs to:

Hayes-Albion Corporation
1199 Wildwood Avenue
Jackson, Michigan 49202
Attention: Marc Gudema

400 copies (exact) - "1974 Brake Shoe Identification Catalog"
200 copies (exact) - "1975 Automotive Data Book"

INVENTORY

Our inventory before and after this shipment should be as follows:

	<u>Before</u>	<u>Ship</u>	<u>After</u>
1974 Brake Shoe Identification Catalog	1843	(400)	1443
1975 Automotive Data Book	703	(200)	503

When you have made the shipment, please bill the Friction Materials Standards Institute for the shipping charges as soon as possible.

Sincerely,

FRICTION MATERIALS STANDARDS INSTITUTE, IN

EWD/erc

E. W. Drislane
Executive Director

⑥

FMSI 07836

MAILING LIST CHANGE

Member Hayes Abbott

Date 6/6/75

This change effects the following lists:

General Bulletins - Active	☒	Foreign Shoe Bulletins	☐
General Bulletins - Regional	☐	Delegates & Alternates	☐
General Bulletins - Licensees	☐	Annual Fee Billing	☐
Data Book Bulletins	☒	Regular Billing	☐
Shoe Bulletins	☒		

Change List As Follows:

Add to mailing list:

Mr. Robert Abbott
Hayes-Abbott Corporation
Injection Products Plant
P.O. Box 3190 C.R.S.
Johnson City, Tennessee 37601

Source of Change: M. Duda, phone 6/6/75

	<u>Name</u>	<u>Date</u>
Requested by:	<u>ARD</u>	<u>6/6/75</u>
Rolodex Files (Both) Changed:	<u>EPC</u>	<u>6/6/75</u>
Addressograph Plate Changed:	<u>EPC</u>	<u>6/6/75</u>
Address/Telephone Directory Changed:	<u>—</u>	<u>—</u>

Hayes-Albion

TELEPHONE (201) 845-0440

FRICITION MATERIALS STANDARDS INSTITUTE, INC.

BERGEN MALL OFFICE CENTER

E. 210 ROUTE 4

PARAMUS, N. J. 07652

April 23, 1975

Mr. John Adams
Hayes-Albion Corporation
2707 Oakland Avenue
Johnson City, Tennessee 37601

Dear Mr. Adams:

Enclosed is a copy of page 3 of our Data Book Bulletin #243 of October 1973 concerning Ford Motor Company's 788 and 7013-A lining.

Lining Thickness only (Inches)

	<u>788</u>	<u>7013-A</u>
Inner	.450	.450
Outer	.350	.400

The contour and drilling of the outer pieces are identical. The contour and drilling of the inner pieces differ. Allowing for the thickness, they would be interchangeable.

I believe many members market one or the other (usually not both).

Under separate cover I am forwarding some recent catalogs. We expect our 1975 Catalogs to be printed shortly.

Sincerely,

FRICITION MATERIALS STANDARDS INSTITUTE, INC.

EWD/erc
Enclosure:

E. W. Drislane
Executive Director

FMSI 07838

Hayes-Albion

June 6, 1975

Mr. Marc Gudema
Hayes-Albion Corporation
1199 Wildwood Avenue
Jackson, Michigan 49202

Dear Mr. Gudema:

Per our phone conversation, we have added Mr. Abbott's name to our mailing list for bulletins. Under separate cover, we are mailing Mr. Abbott 5 copies each of: 1974 Brake Shoe Catalog, 1975 Automotive Data Book, and 1975 Supplement to 1974 Brake Shoe Catalog. Your copies will be shipped from the printer in Indianapolis.

Enclosed are copies of Technical Bulletins over the past several years which have references to changes of retro fit for some disc brake linings and shoes. If you have any specific questions on disc brake parts, I'd be pleased to help.

Sincerely,

FRICTION MATERIALS STANDARDS INSTITUTE, INC

END/erc
Enclosure:
cc-Mr. Robert Abbott

E. W. Drislane
Executive Director

FMSI 07839



December 10, 1974

Mr. E. W. Drislane
Executive Director
Friction Materials Standards Institute, Inc.
E-210 Route 4
Paramus, New Jersey 07652

Dear Mr. Drislane:

Please send me copies of the three Federal Registers
referenced in Bulletin No. 516C. These were:

April 6, 1973	National Emissions Standards
May 3, 1974	Clarifying Revisions
October 25, 1974	Proposed Amendments.

Very truly yours,

C. H. Zähler
Special Projects Engineer

CHZ:pa

FMSI 07840

FRICTION MATERIALS STANDARDS INSTITUTE, INC.

BERGEN MALL OFFICE CENTER

E. 210 ROUTE 4

PARAMUS, N. J. 07652

December 13, 1974

Mr. C. H. Zahler
Hayes-Albion Corporation
P. O. Box 3190 C.R.S.
2707 Oakland Avenue
Johnson City, Tennessee 37601

Dear Mr. Zahler:

Per your letter of December 11, 1974, I am enclosing the three Federal Register notices concerning EPA National Emissions Standards. I've also enclosed some bulletins we sent the Members concerning the clarifying revisions and the recently proposed amendments.

The initial Standards (April 6, 1973) include considerable detail concerning Beryllium and Mercury which I did not delete.

Sincerely,

FRICTION MATERIALS STANDARDS INSTITUTE

EWD/erc
Enclosure:

E. W. Drislane
Executive Director

FMSI 07841

FRICION MATERIALS STANDARDS INSTITUTE, INC.
BERGEN MAIL OFFICE CENTER
E. 210 ROUTE 4
PARAMUS, N. J. 07652

December 4, 1974

Mr. Marcus Gudema
Hayes-Albion Corporation
Brake System Division
1199 Wildwood Avenue
Jackson, Michigan 49202

Dear Mr. Gudema:

Acting on the recommendation of our Board of Directors, the Members have voted to accept your application for membership in the Friction Materials Standards Institute, Inc. In order to meet the requirements of our Constitution and By-Laws, this membership will be effective as soon as Hayes-Albion is in production of disc brake linings. From Mr. Voorhees' letter of October 7, 1974, this would indicate that membership would be effective April 1, 1975.

You will now have most of the rights of Membership along with the advantage of not being billed for the annual dues until April 1, 1975. Per your application form, you will be the Delegate and Mr. Voorhees will be the Alternate. Your names are being placed on our mailing lists on this date.

I've enclosed a booklet on the Institute and one copy of recent technical bulletins:

Data Book Bulletin #251 of November 25, 1974
(concerning brake linings and clutch facings)

Shoe Bulletin #71 of November 20, 1974
(concerning brake shoes)

The Hayes-Albion Corporation will be entitled to receive up to 25 copies of each technical bulletin on a No Charge Basis (Additional copies cost \$.05 per page). You will also be entitled to purchase our Catalogs for use by your customers. I am sending 2 copies of each of our most recent Catalogs to your attention under separate cover. You may purchase prints of brake linings and silhouettes of shoes (for identification) for \$.75 per copy.

In addition we will be sending general bulletins on matters affecting our industry (OSHA regulations, EPA regulations, State Brake Lining requirements, etc.). If, after you have received some of these bulletins, you wish to have us direct them to other parties at Hayes-Albion, you should let us know.

Mr. Marcus Gudenn
Hayes-Albion Corporation

- 2 -

December 4th 1974

In the meanwhile, we will not be billing for your annual membership fee until April 1, 1975. At that time we will invoice you for \$425, which is one quarter of the annual fee of \$1,700. Our fiscal year ends June 30, 1975 and we normally bill one half of the annual fee on July 1 and the other half on January 1.

If you have any questions or need any information, please let me know. I personally am quite pleased that Hayes-Albion is becoming a Member of the Institute.

Sincerely,

FRICTION MATERIALS STANDARDS INSTITUTE

END/erc
Enclosure:
cc-J.F.Voorhees

E. W. Drislane
Executive Director

FMSI 07843

BULLETIN

NO. 515

October 25, 1974

HAYES-ALBION CORPORATION - APPLICATION FOR MEMBERSHIP

An application for Active Membership was received from Hayes-Albion Corporation, Jackson, Michigan. The application was received in good form with the required one-time initiation fee of \$1,000. The Membership Committee recommended acceptance of this application and it is now being reviewed by the Board of Directors.

The Hayes-Albion entrance into the friction materials field is somewhat unique. Illinois Central Industries, parent of the Abex Corporation, was ordered by the FTC to form a new friction materials competitor as a result of the ICI acquisition of Midas-International. Hayes-Albion, an established manufacturer of automotive parts, will be the new friction materials manufacturer.

Hayes-Albion will finish their factory in Johnson City, Tennessee in December 1974.

They expect to start production in the February-April 1975 period. For this reason, they are not currently qualified for Membership, since a Member must actually be manufacturing friction materials in commercial quantities. Because of the uniqueness of their entrance into this industry, the Membership Committee recommended approval of their application, with the condition that their Membership will start when they are actually manufacturing friction materials in commercial quantities. Your Board of Directors is now reviewing the Committee's recommendations.

No action is called for by the Membership at this time. This is strictly to keep the Membership posted on this application.

EWD/erc
cc: Alternates & Delegates

E. W. Drislane
Executive Director

A P P L I C A T I O N F O R M E M B E R S H I P

TO THE BOARD OF DIRECTORS OF
FRICTION MATERIALS STANDARDS INSTITUTE, INC.

Gentlemen:

The undersigned hereby applies for membership in the FRICTION MATERIALS STANDARDS INSTITUTE, INC., as an Active Member, and certifies to the following:

1. Name of Applicant: Hayes-Albion Corporation; Brake Systems Division
2. State of Incorporation: Delaware
3. Principal Office: 1999 Wildwood Avenue, Jackson, Michigan 49202
4. Date of Incorporation: December 11, 1968
5. Length of time dealing with friction materials: 1 year
6. Do you manufacture friction materials from the basic materials or do you buy partially finished products from other companies: Both
7. Type of friction materials manufactured, and approximate annual capacity of plant: disc brake 44,600,000 CI annually
8. State approximate amount of said materials manufactured in commercial quantities: 100%
9. Is the distribution of your product national, international or local or in how many states: National 30 states
10. Do you list the materials you manufacture in catalogs or in some other form; if so, will you furnish us with a copy of same: new catalog will be available May, 1975.
11. Reference as to financial strength in relation to operations: Corporation sales FY 1974 130,000,000
12. Is plant owned by applicant or leased: Owned

FMSI 07845

The undersigned hereby acknowledges receipt of a copy of the Constitution and By-Laws of the Institute and agrees that, if elected to membership, it will accept and be bound by the said Constitution and By-Laws, together with any amendments that may from time to time be made thereto.

The undersigned hereby designates Marcus Gudema, Marketing Manager
as its delegate and John F. Voorhees, Sales Manager as its alternate
delegate, to represent it at any meeting of the membership.

BY

John F. Voorhees

Sept 24, 1974.

October 9, 1974

Mr. J. F. Voorhees
Hayes-Albion Corporation
1999 Wildwood Avenue
Jackson, Michigan 49202

Dear Mr. Voorhees:

This is to acknowledge receipt of your letter of October 7, 1974 and the \$1,000 initiation fee. Thank you.

Your application has been sent on to our Membership Committee for review. The application must be reviewed by this Committee before balloting by the Board of Directors and the Membership. The foregoing is for your information.

Sincerely,

FRICTION MATERIALS STANDARDS INSTITUTE

EWD/erc

E. W. Drislane
Executive Director

FMSI 07847

hayes-albion
corporation



October 7, 1974

CWS

Friction Materials Standards Institute, Inc.
Bergen Mall Office Mall
Paramus, New Jersey 07652

ATTN: Mr. E. W. Drislane

Dear Mr. Drislane:

Thank you for your letter of October 1, 1974.

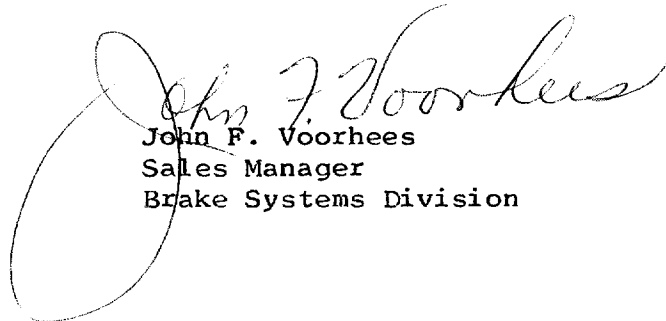
Attached please find our check for \$1,000.00 to cover the one-time initiation fee into your organization.

In response to your questions regarding the manufacture of friction materials, I have to inform you that we are not as yet producing material in commercial quantities.

We have under construction a new 32,000 square foot friction materials manufacturing facility. The facility will be complete by December 1, 1974, however, the equipment will not all be received until February, 1975 and we anticipate being fully operational by April, 1975.

Hope this answers your questions.

Sincerely,


John F. Voorhees
Sales Manager
Brake Systems Division

JFV/pk

Attachment

FMSI 07848

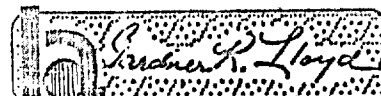
hayes-albion 
corporation

1999 WILDWOOD AVENUE, JACKSON, MICHIGAN 49202

CITY BANK & TRUST CO., JACKSON, MICHIGAN

163023

DATE Oct 4'1974

PAY EXACTLY  ****1,000 DOLLARS AND 00 CENTS \$ ****1,000.00PAY TO
ORDER
OFFriction Materials Standards Institute, Inc.
Bergen Mall Office Mall
Paramus, New Jersey 07652

AUTHORIZED SIGNATURE

⑈ 163023 ⑈ ⑆ 0724 ⑈ 0058 ⑆ 1 ⑈ 378 ⑈ 016 ⑈ 0 ⑈

 hayes-albion corporation • 1999 WILDWOOD AVENUE • JACKSON, MICHIGAN 49202

INVOICE DATE	INVOICE NUMBER OR REFERENCE	GROSS AMOUNT	DISCOUNT	NET AMOUNT
	One time initiation fee for membership in the FMSI			1,000.00
163023 DETACH BEFORE DEPOSITING - THANK YOU				

FMSI 07849

H

October 1, 1974

Mr. John F. Voorhees
Hayes-Albion Corporation
Brake Systems Division
1999 Wildwood Avenue
Jackson, Michigan 49201

Dear Mr. Voorhees:

Thank you for your application for Membership in the Friction Materials Standards Institute. I am most anxious to have this application processed.

However, I have two items I must ask. First, there is a \$1,000 one-time initiation fee to accompany the application. If Hayes-Albion were to withdraw their application, or for some reason were not to be voted into Membership, this \$1,000 would be returned.

Based on the background I have from the FTC order to ICI, and releases I have seen in the trade press, Hayes-Albion will be a most qualified and welcome member of the Institute. However, this is the second item I will be asked and that is are you now in production of the disc brake linings "in commercial quantities"? This is an eligibility requirement in our Constitution. I had indicated to Mr. Gudema that "commercial quantities" was an elusive term, but I would guess that manufacture of a minimum of 1,000 pieces of friction material a week would be manufacture in "commercial quantities".

I am aware that you plan production in quantities greater than that indicated above, but the eligibility requirement I will be asked is whether you are now producing in "commercial quantities". This information is needed to clarify the answer to Item 8 on the Application Form.

Please understand that I am most anxious to have Hayes-Albion as an Member, but I must have the initiation fee and clarification that you are now manufacturing friction materials in "commercial quantities".

I am enclosing the following:

1. Copy of E. Drislane/M. Gudema letter of 12/13/73
2. Constitution and By-Laws
3. Copy of Hayes-Albion application.

Sincerely,

FRICITION MATERIALS STANDARDS INSTITUTE, INC.

EWD/lmc
Encls.

E. W. Drislane
Executive Director

FMSI 07850

MAY 21 1974

FTC approves new company in brake field

WASHINGTON. — A license and a technical agreement needed to create a new company in the automotive brake friction materials field has been approved by the Federal Trade Commission.

Application was made by Illinois Central Industries and its subsidiary, Midas - International Corp., under an FTC order of last year that required forming a new company to be fully viable by mid-April, 1975.

The proposed new entrant, Hayes - Albion Corp., Jackson, Miss., employs some 4,400 persons in five states. About three-quarters of its current sales are auto-related, such as engine cooling fans and pulleys, car windows, doors and decorative trim and exhaust systems.

ICI will help Hayes-Albion with certain patents and intangibles in exchange for salaries and expenses incurred by ICI in helping Hayes get into the brake friction materials business.

ICI, under FTC orders, earlier was told to sell Signal-Stat flasher division and to eliminate reciprocity deals.

AUG 1974

Hayes-Albion builds friction products plant

JACKSON, Mich. — Hayes-Albion Corp. has begun construction of a 35,000-square-foot friction products manufacturing facility in Johnson City, Tenn.

The plant, scheduled for completion late this year and in production in spring of 1975, will produce disk brake friction components to be sold to the automobile replacement parts market through Hayes-Albion's newly created brake systems marketing arm.

(H)

May 8, 1974

Mr. Marcus Gudema
Hayes-Albion Corporation
437 Fern Avenue
Jackson, Michigan #49202

Dear Mr. Gudema:

After talking with you this morning, I reviewed correspondence in our file. My letter of December 13, 1973 covered most items of interest as regards the Institute. In particular it covered eligibility and fees. Also, I included with that letter copies of our Constitution and By-Laws.

Since that time, we published a small booklet concerning the Institute. It gives a little background on the Institute, its Membership, Publications and other Activities. I've enclosed two copies of this booklet for your reference.

Sincerely,

FRICTION MATERIALS STANDARDS INSTITUTE

EWD/erc
Enclosure:

E. W. Drislane
Executive Director

FMSI 07852

hayes-albion
corporation



December 7, 1973

Mr. E. W. Drislane, Executive Director
Friction Materials Standards Institute, Inc.
Bergen Mall Office Center
E. 210 Route 4
Paramus, NJ 07652

Reply attached

Dear Mr. Drislane:

On September 5, 1973, you answered several questions I had put in a letter to you. However, one answer was not adequate for my purposes.

You stated that it is necessary for a company to manufacture friction materials in commercial quantities to be a member. If my company was doing this, what would be the requirements, costs, and benefits of being a member?

Thank you for your assistance.

Cordially,

Marcus Gudema
Market Analyst

FMSI 07853

FRICION MATERIALS STANDARDS INSTITUTE, INC.
BERGEN MALL OFFICE CENTER
E. 210 ROUTE 4
PARAMUS, N. J. 07652

December 13, 1973

Mr. Marcus Gudema
Hayes-Albion Corporation
137 Fern Avenue
Jackson, Michigan 49202

Dear Mr. Gudema:

This is to reply to your letter of December 7, 1973.

REQUIREMENTS

The basic requirement for Active Membership in the Institute is that applicant must be a U.S. resident, and be manufacturing friction materials in "commercial quantities." While the definition of "commercial quantities" may be elusive, it aims at a factory type operation rather than a part-time garage type operation or a rebuilder type operation. By "friction materials," we mean all types that are used to either brake a load (automotive, rail, industrial, aircraft) or transmit torque as a clutch facing (dry or wet - automotive, industrial, or off-road - asbestos, paper, metal, etc.). Of course, most members are in the automotive market, because that is where the Institute provides the most services.

If you were to apply, you would complete one copy of our Application Form. On the second page of this Form the applicant agrees to accept and be bound by the Constitution and By-Laws. Enclosed are two copies each of our Application Form and Constitution and By-Laws. I believe the requirements of Membership are spelled out in the Constitution and By-Laws.

COSTS

Were you considering applying for membership, there is a \$1,000 one-time initiation fee. (This would accompany your Application.) If, for some reason, you were to withdraw your Application, or the Institute were not to vote you into membership, this \$1,000 would be returned. Other than this one-time fee, there is a regular annual fee which is based on the number of "categories" in which you might be involved. I have enclosed a copy of our Category Filing Declaration which all the members fill out every year. Our present dues structure is a basic fee of \$1,050 annually, plus \$650 x the number of categories. For example, were you just in the brake lining business as such (according to our category definitions) the annual fee would be \$1,700 per year (\$1,050 + \$650). Were you engaged in two categories, for example brake linings and brake blocks, the fee would be \$2,350 per year. While this dues structure has been unchanged for the past three years, it may be increased if the budget so dictated.

FMSI 07854

Mr. Marcus Gudema
Hayes-Albion Corporation

-2-

December 13, 1973

BENEFITS

Membership is an advantage to a manufacturer who wishes to market his materials in the automotive after-market. If one were selling his products strictly in the aerospace field, or in the industrial market, he might very well qualify for membership, but there might be little advantage in that membership.

We publish catalogs that are widely used in the after-market, and because they are so widely used the price to Members is less than if they made their own catalogs. Under separate cover I am forwarding copies of some recent catalogs.

1973 Automotive Data Book
1972 Brake Shoe Identification Catalog
1973 Supplement to the 1972 Brake Shoe Identification Catalog
Brake Block Identification Catalog (1972 Edition)
Automotive Brake Diagnostics (Published 1973)

We keep our Members informed on new brake lining, ~~new brake lining~~, new brake shoe, and new clutch facing releases in the automotive after-market. For many manufacturers we are the main source of information on new part releases.

Bulletins are mailed to the members as soon as information is available on new releases by the vehicle manufacturers. In addition prints are available ~~from the Institute Office to all members for \$.75 per print~~. Every time we issue a new bulletin, several of the members order copies of the new prints released in those bulletins.

From an overall industry viewpoint, we provide input to the regulatory authorities on problems concerning our industry, and we keep our Membership informed on these problems.

The Institute represents the brake lining manufacturers and clutch facing manufacturers with Asbestos Information Association of North America. The Institute coordinated a response that was made to the Illinois Pollution Control Board which intended to prohibit the use of asbestos in brake linings sold in the State of Illinois. Our Asbestos Study Committee has given input to the Asbestos Information Association as regards asbestos problems in the friction materials business. We also have passed information on to our membership concerning the latest OSHA and EPA regulations as concerns asbestos. The Chairman of our Asbestos Study Committee is one of the industry representatives on the Advisory Board that debated the asbestos regulations before they were issued.

The Institute maintains a Brake Performance Study Committee which, when the original New York State Brake Lining Law was being written, helped draft a law that was reasonable to both industry and the public. We have been consulted with by the Vehicle Equipment Safety Commission when revisions were planned in the V-3 procedure. We have been in contact with AAMVA concerning their certification requirements for brake lining and worked out

FMSI 07855

Mr. Marcus Gudema
Hayes-Albion Corporation

-3-

December 13, 1973

a compromise with them on "grandfathering" existing brake lining certifications. We attempt to keep the industry posted on the progress of the various regulatory authorities as regards brake linings.

In addition, we maintain close liaison with NHTSA as concerns Federal standards on brake lining and brake systems. We have given input to the NHTSA as regards the new FMVSS #105a (Hydraulic Brake Systems) and FMVSS #121 (Air Brake Systems). We are in touch with those in the Department of Transportation who have been given the assignment to write a brake lining standard for the replacement market. While we have worked with the regulatory people, we have also kept our industry informed as to what was taking place and was likely to take place.

COPYRIGHT

If you have seen the FMSI catalogs over the years, you will note that all FMS numbers and the contents of the catalogs are copyrighted. In order to use the copyright in one's catalogs, price lists, packaging, etc., a manufacturer must belong to the Institute. If, for example, you are a distributor, jobber, or other link in the distribution chain, ordinarily you would secure the right to use the copyrighted numbers from the member of the Institute who sells his lining to you. If, however, you are the manufacturer of friction materials, no member can give you the right to use the copyrighted numbers on the products you manufacture. He can only give you permission to use the FMS numbers on the products you purchase from him. Many manufacturers consider the FMS numbering system to be of considerable value in merchandising their products.

If a company does not plan on using the copyrighted FMS numbering system, there is no compelling need as such to join the Institute. However, there are several members of the Institute who now are in that position but feel that other benefits which the Institute gives them directly and which are generated indirectly by the Institute contacts with Washington, makes membership desirable.

OTHER

I have added the "COPYRIGHT" section, although it might be classed as one of the benefits, because several members are members solely because of the need to use our copyrighted numbers in their marketing of brake linings and clutch facings in the automotive after-market.

We operate on a July 1-June 30 fiscal year. I believe I have adequately covered the "requirements, costs, and benefits." If you do have questions, why not give me a call at (201) 845-0440.

Sincerely,

FRICTION MATERIALS STANDARDS INSTITUTE

EWD:llz
Enc.

E. W. Drislane
Executive Director

FMSI 07856

14

hayes-albion
corporation

August 28, 1973

Friction Materials Standards Institute
E. 210, Route 4
Paramus, New Jersey 07652

Cur

Gentlemen:

I would appreciate knowing what information about automotive brake friction materials is available from you on a fee or complimentary basis. Also what information, if any, is available to members only and how does a company become a member?

The information I seek is of the following type:

The amount of sales of brake friction materials for automotive aftermarket use; these sales by years and by product type (linings and pads) if possible.

A list of manufacturers of brake friction materials, perhaps a directory of your members would be helpful.

Market survey information that answers the question: How do people buy brake products?

State vehicle brake inspection requirements.

Technical information about the design, manufacture, or composition of brake friction material.

The trends that are affecting the market and how.

These questions are wide-ranging; any help you can give me in answering them would be appreciated. Again, if there is a fee for any information, please inform me of that. Thank you in advance for your assistance.

Yours very truly,

Marcus Gudema

Marcus Gudema
Market Analyst

437 FERN AVENUE, JACKSON, MICHIGAN 49202 • PHONE 517/782-9421

FMSI 07857

September 5, 1973

Mr. Marcus Gudema,
Market Analyst
Hayes-Albion Corporation
437 Fern Avenue
Jackson, Michigan 49202

Dear Mr. Gudema:

This is to reply to your letter of August 28, 1973 concerning several types of information concerning the brake lining business. As sort of a general answer, we do not provide services on a fee basis. Ordinarily, all our work is done for our members who pay annual dues and, of course, we give information to the field to assist them in the proper selection and installation of friction materials. Generally speaking, the brake lining manufacturers and clutch facing manufacturers who make up the membership of the Institute decide what information will be developed and distributed. They do this through committees which study various problems that the industry faces. For example, we have a Data Book and Technical Committee which works on the gathering and dissemination of data as to what is installed on the brakes and in the clutches of various vehicles. We provide a common numbering system for the industry. We publish catalogs concerning what lining goes on what vehicle and provide information to help identify brake shoes and brake blocks.

To specifically answer your questions, I will take the first one concerning how a company becomes a member. According to our Constitution and By-Laws, any person or corporation who is manufacturing friction materials in commercial quantities is eligible to become a member. Generally speaking, manufacturers who get into production of friction materials do so by entering a specialty side of the market. We do not have any membership classification for those who are not actually manufacturing friction materials.

As regards your question on the amount of sales of brake friction materials for automotive aftermarket use, we do have what we call an Historic Sales Program. This presents the sales in units of brake linings, brake blocks, clutch facings, and disc brake linings. This data is submitted by our members to a certified public accountant who assembles the data and issues reports. This data is only available to members of the Friction Materials Standards Institute. I know of no other place where you can gather this data.

I am enclosing a list of the Active Members of the Friction Materials Standards Institute. While some of these members may manufacture clutch facings, just about all of them manufacture brake linings.

FMSI 07858

September 5, 1973

As regards market survey information of the type you referred to, we have not gathered that information.

Your next question concerned state vehicle brake inspection requirements. I am sending a tabulation which shows what the inspection requirements are in the various states. This is in summary form. However, I question whether this is exactly what you want and wish to advise that there are several states that have specific requirements to certify that a brake lining meets certain basic friction requirements. As the states with these certification requirements are fairly populous and have been leaders in automotive safety legislation, almost any manufacturer must certify their linings before sale in the following states: Kentucky, Massachusetts, Rhode Island, Maryland, North Carolina, New Jersey, New York, Ohio and Pennsylvania. There are certain friction machine tests which must be run and certified by an independent laboratory. There are fees involved and I could give you more information if this is what you want rather than vehicle brake inspection requirements.

Technical information concerning the design, manufacture, and composition of brake linings is not available from the Institute. If you consider that the Membership of the Institute is made up of manufacturers, you can understand why they are not giving publications in areas that they would consider proprietary, which in effect would help create competition. I would suggest that you have a library search made and a search of the patent literature that is available concerning friction materials.

As regards your last question concerning the trends that are affecting the market, there are two major ones that are apparent. The first is that American passenger cars are gradually moving from the drum brakes to the disc brakes on the fronts of just about all models. This would mean that when discs become standard on the fronts, they will have gathered 50% of the passenger car market. Further, it is expected that disc brakes will gradually be used on both the fronts and rears of most domestic passenger cars. Already the Corvette is disc front and rear and the Imperial is going front and rear in the 1974 model year. This will be a gradual change-over which would indicate that discs would be used on all fronts by 1980 and on perhaps 50% of the rears by that time. Further, disc brakes are moving into the truck field and are currently on most of the light truck models. This year disc brakes are going on the medium and on what some would call the heavy models. Because of legislation in Washington, it may be necessary to move disc brakes onto many truck models that heretofore were considered completely unsatisfactory with drum brakes. This switch to disc brake from the drum brake is the biggest trend affecting the market right now. Another problem facing the market right now, that may or may not be a trend, is the fact that 98% of the friction materials use asbestos. Asbestos has been declared a hazardous material in the workplace and there are stringent requirements being set up by OSHA that make working with asbestos a problem. As a matter of fact, if a 100% ban on asbestos was put into effect, which is unlikely at this time, it would present quite a problem to the industry. I do not consider the problems with asbestos

Mr. Marcus Gudema
Hayes-Albion Corporation

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September 5, 1973

a trend affecting the industry at this point but it is certainly a problem for the industry.

While I would be happy to provide you with general information of the type sent above, my primary responsibility is servicing my members. If there are questions of a general nature, I would be happy to answer them, but if they were questions of a proprietary nature I would, of course, not provide an answer.

I trust the foregoing has been of some help to you.

Sincerely,

FRICITION MATERIALS STANDARDS INSTITUTE

EWD:llz
Encs.

M. W. Drislane
Executive Director

FMSI 07860

FRICTION MATERIALS STANDARDS INSTITUTE, INC.

BERGEN MALL OFFICE CENTER

E. 210 ROUTE 4

PARAMUS, N. J. 07652

Mr. R. W. Carlton
Hayes-Albion Corporation
1999 Wildwood Avenue
Jackson, Michigan 49202

FMSI 07861