

EXHIBIT A-1 - JANUARY SUBMISSION

EATON

PRODUCT PROGRAM IDENTIFICATION

RESEARCH AND DEVELOPMENT
January (1981) SUBMISSION

DIV. NO. & NAME (015) Airflex

PROGRAM NUMBER Y0259

PROGRAM RANKING 10 OF 13

PROGRAM STARTING DATE 5/15/79

TITLE: NON-ASBESTOS FRICTION MATERIAL EVALUATION

OBJECTIVE AND SCOPE: This project will be an on-going program to monitor and evaluate non-asbestos type friction lining materials as they become available. Samples will be tested on our Friction Material Test Machine on the basis of coefficient of friction, wear rate, fade, aggressiveness, etc.

BUSINESS RATIONALE: As a dry type of friction material, asbestos is the best material in existence today. Unfortunately, asbestos has been found to be a health hazard unless stringently controlled. Major friction lining suppliers are working on alternate materials. Just recently, Raybestos Manhattan, a major supplier of friction material, has made a commitment to eliminate asbestos from all of its friction linings by January 1, 1982. It is expected that other companies will eventually follow suit.

R&D PROGRAM EXPENSE:

TOTAL SPENDING IN PRIOR YEARS (THROUGH 1979)
ESTIMATE OF TOTAL SPENDING LAST YEAR (1980)

\$ 154

\$ 378

ESTIMATE OF THIS YEAR'S SPENDING BY QUARTER:

1st QUARTER ESTIMATE	\$ 2,010
2nd QUARTER ESTIMATE	\$ 10,050
3rd QUARTER ESTIMATE	\$ 8,970
4th QUARTER ESTIMATE	\$ 13,790

CURRENT YEAR TOTAL (1981)

\$ 34,820

ESTIMATED TOTAL SPENDING AT COMPLETION OF PROGRAM

\$

SALES GOAL:

YEAR OF INTRODUCTION 19

MATURE YEAR 19

SALES (\$000) \$

DIVISION MANAGER

(DATE)

PROGRAM MANAGER

(DATE)

SCF-EC-1850

FAW 10753