



U.S. Department
of Transportation
**Federal Aviation
Administration**

NORTHWEST MOUNTAIN REGION
LOS ANGELES MANUFACTURING
INSPECTION DISTRICT OFFICE
LONG BEACH, CALIFORNIA 90808-2425

February 20, 1989

Nasco Aircraft Brake, Inc.
13300 Estrella Avenue
Gardena, CA 90247

FEDERAL AVIATION ADMINISTRATION - PARTS MANUFACTURER APPROVAL

The FAA has determined that Nasco Aircraft Brake, Incorporated, has established the fabrication inspection system required by Federal Aviation Regulation (FAR) 21.303(h) at 13300 Estrella Avenue, Gardena, California 90247. Accordingly, Parts Manufacturer Approval (PMA) is hereby granted to Nasco Aircraft Brake, Incorporated to produce the replacement/modification parts, as applicable, and listed in the enclosed supplement(s) in conformity with the FAA approved design data. Any subsequent changes to these design data must be approved in a manner acceptable to the FAA.

The following terms and conditions are applicable to this approval:

1. The fabrication inspection system, methods, procedures, and manufacturing facilities covered by this approval, including the quality control system and data used at the manufacturing facilities of your suppliers, are subject to FAA surveillance or investigations. Accordingly, you must advise your suppliers that their facilities are also subject to FAA surveillance and investigation.
2. THIS OFFICE must be notified in writing within 10 days from the date the manufacturing facilities producing parts under this approval are relocated or expanded to include additional facilities at other locations. This requirement also applies to suppliers who have been delegated major inspection authorization and those who furnish parts or related services where a determination as to safety and conformance to the approved design cannot or will not be made upon receipt at the approved receiving facility.
3. Upon request, you must make available to the FAA any pertinent information concerning suppliers who furnish parts/services, including:
 - a. A description of the part or service;
 - b. Where and by whom the part or service will undergo inspection;
 - c. Any delegation of inspection duties;

- d. Any delegation of material review authority;
 - e. The inspection procedures required to be implemented;
 - f. Any direct shipment authority;
 - g. Results of your evaluation, audit, and/or surveillance of your suppliers;
 - h. The purchase/work order number (or equivalent); and
 - i. Any feedback relative to service difficulties originating at suppliers.
4. Parts or services furnished by any suppliers located in a foreign country may not be used in the production of any part listed in the enclosed supplement unless:
- a. That part or service can and will be completely inspected for conformity at your facility, or
 - b. The FAA had determined that the location of the foreign supplier facility places no undue burden on the FAA in administering applicable airworthiness requirements. When the use of such foreign suppliers are contemplated, you must advise the FAA at least 10 days in advance to allow the FAA time to make this determination; or
 - c. The parts/services furnished by the foreign supplier are produced under the "components" provisions of the U.S. airworthiness bilateral agreements, and approved for import to the U.S. in accordance with FAR 21.502.
5. Parts produced under the terms of this approval must be marked with the identification information as required by FAR 45.15.
6. This approval is not transferable to another person or location and it may be withdrawn for any reason which would preclude its issuance.
7. The fabrication inspection system covered by this approval must be maintained in continuous compliance with the requirements of FAR 21.303(h) and ensure that each part conforms with the approved design data and is safe for installation on type certificated products.
8. The holder of a parts manufacturer approval is eligible for the appointment of qualified individuals in his employ to represent the FAA as Designated Manufacturing Representatives (DMIR) for the purpose of issuing Export Airworthiness Approvals for Class II and Class III products.

9. Any failure, malfunction, or defect on any part produced under this approval shall be reported to the FAA in accordance with FAR 21.3.
10. All technical data required by FAR 21.303(c)(3), for the parts to be produced under this approval, must be readily available to the FAA at the facility at which the parts are produced.
11. Our District Office shall be notified immediately in writing of any changes to the fabrication inspection system that may affect the inspection, conformity, or airworthiness of the parts covered by this approval.
12. All parts shall be produced in accordance with Nasco Aircraft Brake, Incorporated's Quality Control Manual, Rev. K dated January 20, 1989, which has been presented as evidence of compliance with FAR 21.303(h). Accordingly, any revisions to this data must be submitted for approval by our District Office prior to implementation.



Allen K. Griggs, Acting Manager
Los Angeles Manufacturing
Inspection District Office

Enclosure: Parts Manufacturer Approval, Supplement No. 1

FEDERAL AVIATION ADMINISTRATION - PARTS MANUFACTURING APPROVAL

NASCO Aircraft Brake, Inc.
13300 Estrella Avenue
Gardena, CA 90248

PMA NO. : PQ1402NM-D
SUPPLEMENT NO.: 1
DATE : September 25, 2000

<u>PART NAME</u>	<u>PART NUMBER</u>	<u>APPROVED REPLACEMENT FOR PART NUMBER</u>	<u>APPROVAL BASIS AND APPROVED DESIGN DATA</u>	<u>MAKE ELEGIBILITY</u>	<u>MODEL ELEGIBILITY</u>
Brake Rotor Assembly	717001-1, -2, -3, and -4	Bendix Brake Rotors 2605305-1, -2, -3, and -4 or: 2610625-1, -2, -3, and -4	STC SA3948NM DWG No: NCC001 REV: "F" Date: 12/1/99 or later FAA approved revisions	Boeing	727-100, -200 Series

-----End of Listing-----

Note: Minor design changes (reference 14 CFR part 21 §§ 21.93 and 21.95) must be submitted in a manner as determined by the ACO. Major Design changes (reference 14 CFR part 21 §§ 21.93 and 21.97) to drawings and specifications are to be handled in the same manner as that for an original FAA-PMA.

for William H. Becker
James F. Connelly
Manager, Los Angeles Manufacturing
Inspection District Office

FEDERAL AVIATION ADMINISTRATION - PARTS MANUFACTURING APPROVAL

NASCO Aircraft Brake, Inc.
13300 Estrella Avenue
Gardena, CA 90248

PMA NO. : PQ1402NM-D
SUPPLEMENT NO.: 2
DATE : September 25, 2000

<u>PART NAME</u>	<u>PART NUMBER</u>	<u>APPROVED REPLACEMENT FOR PART NUMBER</u>	<u>APPROVAL BASIS AND APPROVED DESIGN DATA</u>	<u>MAKE ELEGIBILITY</u>	<u>MODEL ELEGIBILITY</u>
Brake Rotor Assembly	717001-1, -2, -3, and -4	Bendix Brake Rotors 2605305-1, -2, -3, -4 2610625-1, -2, -3, -4	STC SA3948NM DWG No: NCC001 REV: "F" Date: 12/1/99 or later FAA approved revisions	Boeing	727-100, -200 Series

-----End of Listing-----

Note: Minor design changes (reference 14 CFR part 21 §§ 21.93 and 21.95) must be submitted in a manner as determined by the ACO. Major Design changes (reference 14 CFR part 21 §§ 21.93 and 21.97) to drawings and specifications are to be handled in the same manner as that for an original FAA-PMA.

for William H. Becker
James F. Connelly
Manager, Los Angeles Manufacturing
Inspection District Office

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FEDERAL AVIATION ADMINISTRATION - PARTS MANUFACTURING APPROVAL

NASCO Aircraft Brake, Inc.
13300 Estrella Avenue
Gardena, CA 90248

PMA NO.: PQ1402NM-D
SUPPLEMENT NO.: 3
DATE : September 25, 2000

<u>PART NAME</u>	<u>PART NUMBER</u>	<u>APPROVED REPLACEMENT FOR PART NUMBER</u>	<u>APPROVAL BASIS AND APPROVED DESIGN DATA</u>	<u>MAKE ELEGIBILITY</u>	<u>MODEL ELEGIBILITY</u>
Brake Rotor Assembly	717001-5, -6, and -7	Bendix Brake Rotors 2605305-5, -6, and -7 or 2610625-5, -6, and -7	STC SA6075NM DWG No: NCC002 REV: "D" Date: 12/1/99 or later FAA approved revisions	Boeing	747-100B, -200, -300 Series

-----End of Listing-----

Note: Minor design changes (reference 14 CFR part 21 §§ 21.93 and 21.95) must be submitted in a manner as determined by the ACO. Major Design changes (reference 14 CFR part 21 §§ 21.93 and 21.97) to drawings and specifications are to be handled in the same manner as that for an original FAA-PMA.

William H. Beckler

for James F. Connelly
Manager, Los Angeles Manufacturing
Inspection District Office

FEDERAL AVIATION ADMINISTRATION - PARTS MANUFACTURING APPROVAL

NASCO Aircraft Brake, Inc.
13300 Estrella Avenue
Gardena, CA 90248

PMA NO. : PQ1402NM-D
SUPPLEMENT NO.: 4
DATE : September 25, 2000

<u>PART NAME</u>	<u>PART NUMBER</u>	<u>APPROVED REPLACEMENT FOR PART NUMBER</u>	<u>APPROVAL BASIS AND APPROVED DESIGN DATA</u>	<u>MAKE ELEGIBILITY</u>	<u>MODEL ELEGIBILITY</u>
Brake Rotor Assembly	717001-2, -3, -4, -5, -6, and -7	Bendix Brake Rotors 2605305-2, -3, -4, -5, -6, and -7 or 2610625-2, -3, -4, -5, -6, and -7	STC SA6075NM DWG No: NCC002 REV: "D" Date: 12/1/99 or later FAA approved revisions	Boeing	747-100, -100B, -200, -300 Series 747-SD, 747SF, and 747SR

-----End of Listing-----

Note: Minor design changes (reference 14 CFR part 21 §§ 21.93 and 21.95) must be submitted in a manner as determined by the ACO. Major Design changes (reference 14 CFR part 21 §§ 21.93 and 21.97) to drawings and specifications are to be handled in the same manner as that for an original FAA-PMA.

William A. Becker

for James F. Connelly
Manager, Los Angeles Manufacturing
Inspection District Office

FEDERAL AVIATION ADMINISTRATION - PARTS MANUFACTURING APPROVAL

NASCO Aircraft Brake, Inc.
13300 Estrella Avenue
Gardena, CA 90248

PMA NO. : PQ1402NM-D
SUPPLEMENT NO.: 5
DATE : September 25, 2000

<u>PART NAME</u>	<u>PART NUMBER</u>	<u>APPROVED REPLACEMENT FOR PART NUMBER</u>	<u>APPROVAL BASIS AND APPROVED DESIGN DATA</u>	<u>MAKE ELEGIBILITY</u>	<u>MODEL ELEGIBILITY</u>
Brake Rotor Assembly	717101-85, -133, -134, and -135	B. F. Goodrich Rotors 134-85, 134-133, 134-134, and 134-135	STC ST00648LA DWG No: NCC003 REV: "B" Date: 12/1/99 or later FAA approved revisions	Boeing	727-100, -200 Series

-----End of Listing-----

Note: Minor design changes (reference 14 CFR part 21 §§ 21.93 and 21.95) must be submitted in a manner as determined by the ACO. Major Design changes (reference 14 CFR part 21 §§ 21.93 and 21.97) to drawings and specifications are to be handled in the same manner as that for an original FAA-PMA.

William H. Beckw

James F. Connelly
Manager, Los Angeles Manufacturing
Inspection District Office

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U.S. Department
of Transportation
Federal Aviation
Administration

Transport Airplane Directorate
Los Angeles Aircraft
Certification Office

3960 Paramount Boulevard
Lakewood, California 90712-4137

FEB 09 1999

Nasco Aircraft Brake, Inc.
ATTN: Mr. Daniel L. Aron
President
13300 Estrella Avenue
Gardena, CA 90248

Dear Mr. Aron:

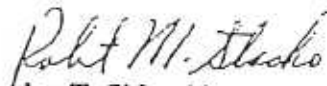
Design Approval for Parts Manufacturer Approval (PMA) of
Brake Assembly Rivet Replacement Parts

This is in response to your letter dated February 1, 1999, requesting PMA engineering design approval for Semi-Tubular Rivet used in commercial aircraft brakes based on identity.

We have reviewed the drawings and data submitted and find them acceptable. The engineering design approval via the PMA supplement along with your application has been forwarded to the Federal Aviation Administration, Los Angeles Manufacturing Inspection District Office, 3960 Paramount Boulevard, Lakewood, California 90712-4173. We will retain the FAA approved drawings for our files. FAA engineering design approval does not include production approval. After verifying that you meet their production requirements, the MIDO will issue to you your FAA PMA under § 21.303(h) of the Federal Aviation Regulations.

The recipient of a FAA PMA Supplement, as a design approval holder, may be required to provide instructions for continued airworthiness prepared in accordance with § 21.50(b) of the Federal Aviation Regulations.

Sincerely,


for Alan T. Shinseki
Manager, Systems and Equipment Branch

FEDERAL AVIATION ADMINISTRATION-PARTS MANUFACTURER APPROVAL

NASCO
 13300 ESTRELLA AVENUE.
 GARDENA, CALIFORNIA 90248

PMA NO.: PQ1402NM
 SUPPLEMENT NO.: 6
 DATE: FEB 9, 1999

<u>NAME AND PART NO.</u>	<u>APPROVED REPLACEMENT FOR</u>	<u>APPROVAL BASIS & APPROVED DESIGN DATA</u>	<u>INSTALLATION ELIGIBILITY</u>
Part Name: Rivet P/N: NAS18A14 P/N: NAS18B10 P/N: NAS18B13	Aircraft Braking System P/N: GY18A14 P/N: GY18B10 P/N: GY18B13	Identicality, per 14 CFR § 21.303, of Nasco Engineering Inc. drawing No. 70002, Rev C, dated 02-02-88, or later FAA approved revisions.	McDonnell Douglas Models: DC-9-14, -15, and -15F.
Part Name: Rivet P/N: NAS18B10 P/N: NAS18B14	Aircraft Braking System P/N: GY18B10 P/N: GY18B13	Identicality, per 14 CFR § 21.303, of Nasco Engineering Inc. drawing No. 70002, Rev C, dated 02-02-88, or later FAA approved revisions.	McDonnell Douglas Models: DC-9-21, -31, -32, and -32F.
Part Name: Rivet P/N: NAS18A17 P/N: NAS18A20 P/N: NAS18A22 P/N: NAS18A23 P/N: NAS18A31 P/N: NAS18B9 P/N: NAS18B11 P/N: NAS18B13	Aircraft Braking System P/N: GY18A17 P/N: GY18A20 P/N: GY18A22 P/N: GY18A23 P/N: GY18A31 P/N: GY18B9 P/N: GY18B11 P/N: GY18B13	Identicality, per 14 CFR § 21.303, of Nasco Engineering Inc. drawing No. 70002, Rev C, dated 02-02-88, or later FAA approved revisions.	McDonnell Douglas Models: DC-10-30, -30F, -40, and -40F

END OF LISTING

NOTE: Minor design changes (reference 14 CFR Part 21 § 21.93 and § 21.95) must be submitted in a manner as determined by the ACO. Major design changes (reference 14 CFR Part 21 § 21.93 and § 21.97) to drawings and specifications should be handled in the same manner as that for an original FAA-PMA.

Robert M. Shinko
 for Alan T. Shinko
 Manager, Systems & Equipment Branch
 Los Angeles Aircraft Certification Office

William H. Becken
 James F. Connelly
 Manager, Los Angeles Manufacturing
 Inspection District Office

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Page 1 of 1

FEDERAL AVIATION ADMINISTRATION - PARTS MANUFACTURING APPROVAL

NASCO Aircraft Brake, Inc.
13300 Estrella Avenue
Gardena, CA 90248

PMA NO. : PQ1402NM-D
SUPPLEMENT NO.: 7
DATE : October 15, 1999

<u>PART NAME</u>	<u>PART NUMBER</u>	<u>APPROVED REPLACEMENT FOR PART NUMBER</u>	<u>APPROVAL BASIS AND APPROVED DESIGN DATA</u>	<u>MAKE ELEGIBILITY</u>	<u>MODEL ELEGIBILITY</u>
Brake Stack Kit	3001049	Modification Part	STC ST00341LA <u>DWG No:</u> 3001049 <u>REV:</u> "A" <u>Date:</u> 1/10/97 or later FAA approved revisions	Saab-Fairchild	340A and 340B
Brake Stack Kit	3001112	Modification Part	STC ST00508LA <u>DWG No:</u> 3001112 <u>REV:</u> "D" <u>Date:</u> 12/16/97 or later FAA approved revisions	Fokker	F28, Mk 0070 and 0100

End of Listing

Note: Minor design changes (reference 14 CFR part 21 §§ 21.93 and 21.95) must be submitted in a manner as determined by the ACO. Major Design changes (reference 14 CFR part 21 §§ 21.93 and 21.97) to drawings and specifications are to be handled in the same manner as that for an original FAA-PMA.

William H. Becker

for James F. Connelly
Manager, Los Angeles Manufacturing
Inspection District Office



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**U.S. Department
of Transportation**

**Federal Aviation
Administration**

**Los Angeles - Manufacturing
Inspection District Office
Transport Airplane Directorate**

3960 Paramount Boulevard
Lakewood, California 90712-4137

January 2, 2002


NASCO Aircraft Brake, Inc.
Attn: Daniel L. Aron
13300 Estrella Avenue
Gardena, California 90248

**FEDERAL AVIATION ADMINISTRATION
PARTS MANUFACTURER APPROVAL**

In accordance with the provisions of 14 Code of Federal Regulations (CFR) Part 21, Subpart K, we have found that the design data submitted by NASCO Aircraft Brake, Inc., with letter dated December 20, 2001 meets the airworthiness requirements of the regulations applicable to the products on which the parts are to be installed. Additionally, it has been determined that NASCO Aircraft Brake, Inc., has established the fabrication inspection system required by Section 21.303(h) at 13300 Estrella Avenue, Gardena, California. Accordingly, Parts Manufacturer Approval is hereby granted for production of the replacement parts listed in the enclosed Supplement No. 8.

You are reminded that the provisions of the Federal Aviation Regulations, noted in our PMA letter of approval dated February 20, 1989, also apply to the enclosed PMA Listing-Supplement No. 8.

Sincerely,

For: 
Christopher B. Bergen
Manager, Los Angeles Manufacturing
Inspection District Office

FEDERAL AVIATION ADMINISTRATION - PARTS MANUFACTURING APPROVAL


NASCO Aircraft Brake, Inc.
13300 Estrella Avenue
Gardena, CA 90248

PMA NO. : PQ1402NM-D
SUPPLEMENT NO.: 8
DATE : January 2, 2002

<u>PART NAME</u>	<u>PART NUMBER</u>	<u>APPROVED REPLACEMENT FOR PART NUMBER</u>	<u>APPROVAL BASIS AND APPROVED DESIGN DATA</u>	<u>MAKE ELEGIBILITY</u>	<u>MODEL ELEGIBILITY</u>
Brake Components	Components as listed per Configuration Control Drawing # NCC006	Modification Part	STC ST01281LA Nasco Installation Drawing # 737001, Rev. "G", Dated 9/21/01 <u>DWG No:</u> NCC006 <u>REV:</u> "A" <u>Date:</u> 11/19/01 or later FAA approved revisions	Boeing	737-200, -300, -400, and -500

-----End of Listing-----

Note: Minor design changes (reference 14 CFR part 21 §§ 21.93 and 21.95) must be submitted in a manner as determined by the ACO. Major Design changes (reference 14 CFR part 21 §§ 21.93 and 21.97) to drawings and specifications are to be handled in the same manner as that for an original FAA-PMA.

For: 

Christopher B. Bergen
Manager, Los Angeles Manufacturing
Inspection District Office



U.S. Department
of Transportation

Federal Aviation
Administration

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Los Angeles - Manufacturing
Inspection District Office
Transport Airplane Directorate

3960 Paramount Boulevard
Lakewood, California 90712-4137

June 5, 2002


NASCO Aircraft Brake, Inc.
Attn: Daniel L. Aron
13300 Estrella Avenue
Gardena, California 90248

FEDERAL AVIATION ADMINISTRATION
PARTS MANUFACTURER APPROVAL

In accordance with the provisions of 14 Code of Federal Regulations (CFR) Part 21, Subpart K, we have found that the design data submitted by NASCO Aircraft Brake, Inc., with letter dated February 23, 2000 meets the airworthiness requirements of the regulations applicable to the products on which the parts are to be installed. Additionally, it has been determined that NASCO Aircraft Brake, Inc., has established the fabrication inspection system required by Section 21.303(h) at 13300 Estrella Avenue, Gardena, California. Accordingly, Parts Manufacturer Approval is hereby granted for production of the replacement parts listed in the enclosed Supplement No. 9

You are reminded that the provisions of the Federal Aviation Regulations, noted in our PMA letter of approval dated February 20, 1989, also apply to the enclosed PMA Listing-Supplement No. 9.

Sincerely,



JOHN R. SIEMENS
FOR

Christopher B. Bergen
Manager, Los Angeles Manufacturing
Inspection District Office

FEDERAL AVIATION ADMINISTRATION - PARTS MANUFACTURER APPROVAL

NASCO AIRCRAFT BRAKE, INC.
13300 ESTRELLA AVENUE
GARDENA, CALIFORNIA 90248

PMA NO.: PQ1402NM
SUPPLEMENT NO.: 9
DATE: JUNE 3, 2002


<u>PART NAME</u>	<u>PART NUMBER</u>	<u>APPROVED REPLACEMENT FOR PART NUMBER</u>	<u>APPROVAL BASIS AND APPROVED DESIGN DATA</u>	<u>MAKE ELIGIBILITY</u>	<u>MODEL ELIGIBILITY</u>
Rivet-Semi-Tubular Stainless Steel	NAS18B10 NAS18B11 NAS18B19 NAS18B20 NAS18A14 NAS18A15	GY18B10 GY18B11 GY18B19 GY18B20 GY18A14 GY18A15	Identity per 14 CFR § 21.303 Dwg. No.: 70002 Rev.: C Date: 2/2/88 or later FAA approved revisions	Lockheed	382B, 382E, 382F, 382G, 382J,
Rivet-Semi-Tubular Stainless Steel	NAS18B7 NAS18B9 NAS18B15	GY18B7 GY18B9 GY18B15	Identity per 14 CFR § 21.303 Dwg. No.: 70002 Rev.: C Date: 2/2/88 or later FAA approved revisions	Learjet	23, 24A, 24B-A, 24C, 24D, 24D-A, 24E, 24F, 24F-A, 25, 25A, 25B, 25C, 25D, 25F, 28, 29, 31, 31A, 35, 35A (C-21A), 36, 36A, 55, 55B, 55C, 60
Rivet-Semi-Tubular Stainless Steel	NAS18B9 NAS18B10 NAS18B15 NAS18A13	NAS18B9 NAS18B10 NAS18B15 NAS18A13	Identity per 14 CFR § 21.303 Dwg. No.: 70002 Rev.: C Date: 2/2/88 or later FAA approved revisions	Gulfstream	G-1159 G-1159A G-1159B
Rivet-Semi-Tubular Stainless Steel	NAS18B10 NAS18B11 NAS18B20 NAS18A14	NAS18B10 NAS18B11 NAS18B20 NAS18A14	Identity per 14 CFR § 21.303 Dwg. No.: 70002 Rev.: C Date: 2/2/88 or later FAA approved revisions	Boeing	707-300 Series 707-400 Series 707-300B Series 707-300C Series

-----END OF LISTING-----

Note: Minor design changes (reference 14 CFR part 21 §§ 21.93 and 21.95) must be submitted in a manner as determined by the ACO. Major Design changes (reference 14 CFR part 21 §§ 21.93 and 21.97) to drawings and specifications are to be handled in the same manner as that for an original FAA-PMA.


Alan T. Shinseki
Manager, Systems and Equipment Branch
Los Angeles Aircraft Certification Office

for:


Christopher B. Bergen
Manager, Los Angeles Manufacturing
Inspection District Office