



VENDOR SERVICE PUBLICATION

TO: All Piper International Distributors, Domestic Sales Dealers, Factory Direct Dealers, Parts Distributors, and Piper Field Service Facilities

SUBJECT: Scott Service Bulletin No. 1248H-32-53, Aviation Hydraulic Pressure Unit Left and Right Hand (Master Brake Cylinder)

PURPOSE: To distribute the attached Scott Service Bulletin No. 1248H-32-53 to all Piper International Distributors, Domestic Sales Dealers, Factory Direct Dealers, Parts Distributors, and Piper Field Service Facilities.

The attached Scott Service Bulletin may affect master brake cylinders installed in Piper aircraft models as listed below. See the Scott Service Bulletin for specific details.

The subject Scott Service Bulletin includes, but is not limited to, the following models:

- J-3 Cub
- PA-11 Cub Special
- PA-12 Super Cruiser
- PA-18 Super Cub
- PA-19 Super Cub
- PA-22 Tripacer/Colt

SERVICE BULLETIN
AVIATION
HYDRAULIC PRESSURE UNIT
LEFT AND RIGHT HAND
(MASTER BRAKE CYLINDER)

1. PLANNING INFORMATION

A. Effectivity

Scott Aviation Part Number:

- 1248-H Hydraulic Pressure Unit - L.H.
- 1260-H Hydraulic Pressure Unit - R.H.
- 1713 Bracket Assembly - R. H.
- 1715 Bracket Assembly - L. H.
- 2715A Hydraulic Pressure Unit and Parking Brake Installation
- 2715AK Parking Brake Installation Kit
- 2844 Diaphragm

Aircraft effected: all aircraft in which any of the above seven part numbers have been installed, including the following aircraft:

Piper J3 Cub, PA-11 Cub Special, PA-12 Super Cruiser, PA-18 & PA-18A Super Cub, PA-22 Tri-Pacer/Colt.

This Bulletin is applicable to:

- Diaphragm (Scott PN 2844) with manufacturing date stamped on face 3Q86 through and including 2Q89.
- New Hydraulic Pressure Units (Scott PN 1248-H and 1260-H) SN 17684 to SN 17964.
- Overhauled Hydraulic Pressure Units (Scott PN 1248-H and 1260-H) serviced in 3Q86 through and including 2Q89.

B. Reason

To replace an existing diaphragm suspected to be defective, with replacement diaphragm. An unknown quantity, out of the total number of diaphragms released into our product system, from third quarter 1986 through second quarter 1989, fabricated from an elastomeric material which is not compatible with the required MIL-H-5606 hydraulic fluid. When pressure is applied to the brake the diaphragm could rupture causing a loss of aircraft braking.

C. Description

This bulletin describes the steps necessary to obtain replacement diaphragms and instructions to install diaphragms.

D. Compliance

Compliance is recommended immediately.

E. Approval

Not Applicable

F. Manpower

Not Applicable

G. Material - Cost and Availability

<u>PART NUMBER</u>	<u>DESCRIPTION</u>	<u>LIST</u>	<u>DELIVERY</u>
2844-00	Diaphragm, Brake	No Charge	Within 10 Working Days

NOTE: Verify replacement diaphragms by the following information stamped part: "2844" (part number), "10/89" (or later date).

H. Tooling

No special tooling required

I. Weight and Balance

Not Applicable

2. ACCOMPLISHMENT INSTRUCTIONS

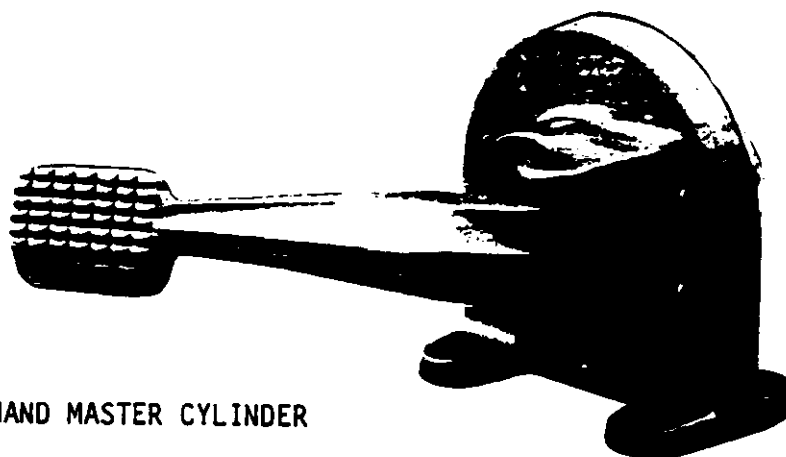
Remove and replace diaphragm. Reference Item 11, Page 3 of 3.

3. MATERIAL INFORMATION

- A. Return diaphragms Scott PN 2844 or hydraulic pressure units, Scott PN 1248-H and PN 1260-H (master brake cylinder) to:

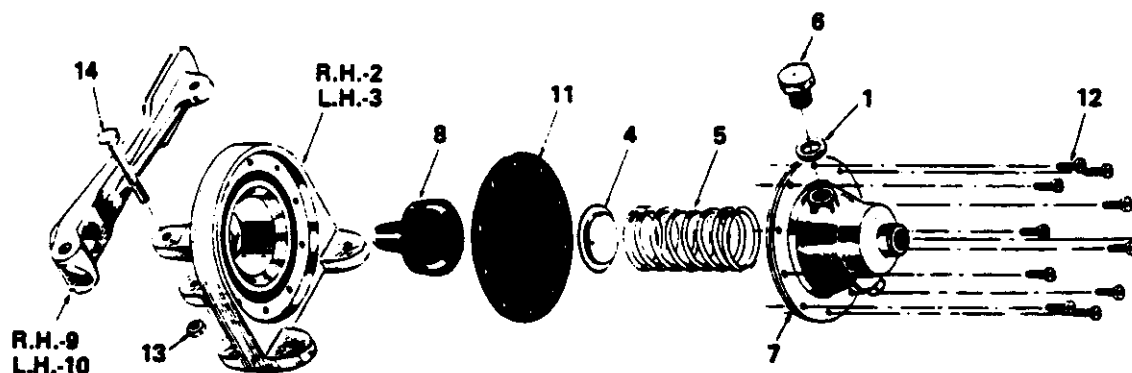
Scott Aviation
225 Erie Street
Lancaster, New York 14086

Attn: Dept. Bieda



PART NUMBER 1248-H LEFT HAND MASTER CYLINDER

PART NUMBER 1260-H RIGHT HAND (NOT SHOWN)



Parts List

No.	Part No.	Name	No. Req'd.
1	1159	Gasket — Vent Screw	1
2	1220	Bracket — R.H. Unit	1
3	1232	Bracket — L.H. Unit	1
4	2003	Pad — Diaphragm	1
5	1256	Spring	1
6	1258	Screw — Vent	1
7	2728	Cover — Compression	1
8	1383	Piston	1
9	1712	Pedal — R.H. Unit	1
10	1714	Pedal — L.H. Unit	1
11	2844	Diaphragm	1
12	18377	Screw	10
13	18307	Washer (AN960-10)	1
14	18431	Bolt — Aircraft	1
	18481	Pin (AN380-2-2)	1