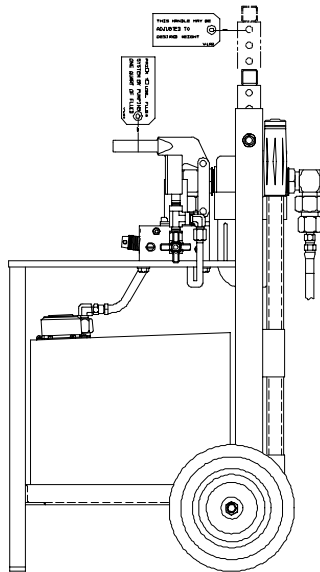




Operation & Service Manual



Model: 06-5040-0510 Hydraulic Service Unit

08/2000 – Rev. OR

Includes Illustrated Parts List

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**Model: 06-5040-0510
Hydraulic Service Unit**

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Model: 06-5040-0510 Hydraulic Service Unit

This product can not be modified without the written approval of Tronair, Inc. Any modifications done without written approval voids all warranties and releases Tronair, Inc., its suppliers, distributors, employees, or financial institutions from any liability from consequences that may occur.

1.0 GENERAL DESCRIPTION

The Tronair Hydraulic Service Unit (HSU) is a compact unit designed to provide a source of clean, pressurized fluid for filling reservoirs, bleeding brakes and other maintenance functions.

2.0 SPECIFICATIONS

Tank Capacity:	8 gallons
Maximum Pressure:	5000 PSIG
Fluid:	MIL-PFR-5606/MIL-PFR-83282
Filtration:	3 Micron
Weight:	55 lbs.

3.0 FEATURES

- 15 foot hose
- Pressure gauge
- Shut-off valve for component testing
- 10,000 PSI pump provides high pressure capability

4.0 PREPARATION FOR USE

The HSU is shipped fully assembled and only the following steps are required to make the unit operational:

1. Service Reservoir: Fill reservoir with appropriate clean fluid.
2. Adjust handle height to suit.

Remove Air From HSU System By:

1. Close manual pump release screw located at lower right corner of pump base block.
2. Open shut-off valve adjacent to pressure gauge.
3. Flow fluid by actuating manual pump.

5.0 OPERATION

5.1 HSU USE

Follow the steps below:

1. Securely attach hose to the aircraft.
2. Close pump release screw.
3. Open shut-off valve.
4. Transfer hydraulic fluid by actuating the manual hydraulic pump.

When service has been completed:

1. Open pump release screw to relieve hydraulic pressure.
2. Disconnect hose from aircraft.
3. Install hose end dust plug.

5.2 COMPONENT TESTING

A shut-off valve had been provided to assure no back flow of fluid. Therefore, shut-off valve is to be closed after the required pressure has built up in the system.

Pressure is relieved by opening this shut-off valve and the pump release screw.



**Model: 06-5040-0510
Hydraulic Service Unit**

Parts List

(Reference Parts List Illustrations on Page 3.)

REPLACEMENT PARTS

ITEM	PART NUMBER	DESCRIPTION	QTY
1	HC-1675	Assembly, Filter	1
2	Z-4182-01	Frame	1
3	C-189	Tank	1
4	U-1001-01	Wheel	2
5	Z-1083-01	Handle, Unit	1
6	HC-1644	Gauge, Pressure	1
7	HC-1101-01	Valve, Shut-off	1
9	TF-1047-01*06.5	Hose, Pump Suction	1
10	HC-1030	Breather	1
11	V-1380	Label - Fluid Type	1
12	H-1009-01	Handle, Pump	1
13	TF-1043-01*180	Assembly, Hose	1

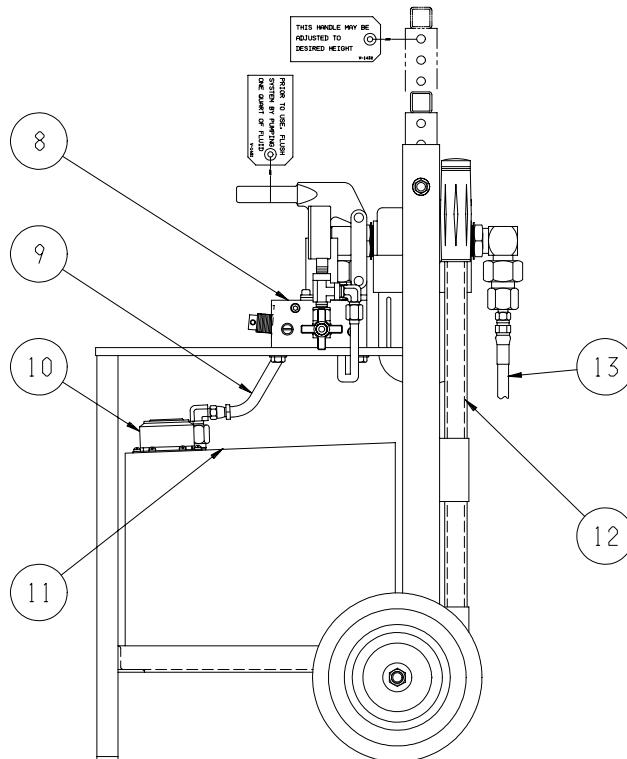
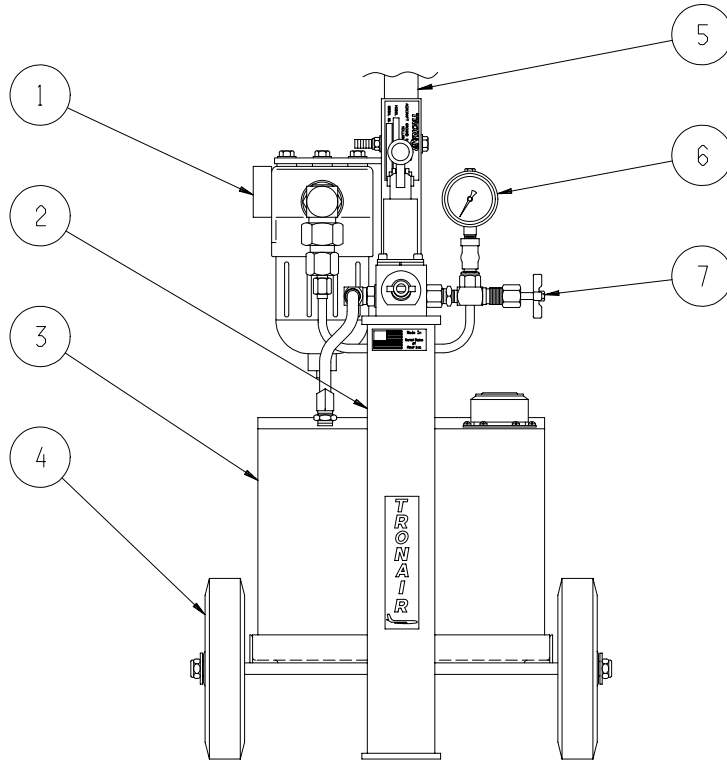
REPLACEMENT KITS

ITEM	PART NUMBER	DESCRIPTION	QTY
8	K-3334	Kit, Pump Replacement; consist of:	
	HC-1913-01	Pump, Single Stage, 10,000 PSI (MB)	1
	INS-1334	Instruction, Pump Replacement	1
	TF-1047-01*12.0	Hose, 1/4 Gray, 12" long	1
Not Shown	K-2318	Kit, Filter Element Replacement; consist of:	
	HC-1676	Element, Filter (MB)	1
	HC-2000-235	O-ring, Series 2	1

NOTE: When ordering spare parts or replacements parts/kits, please call out Model Number of equipment, item number, part number, description and this parts list date/revision given at bottom of each page in this document.

Model: 06-5040-0510
Hydraulic Service Unit

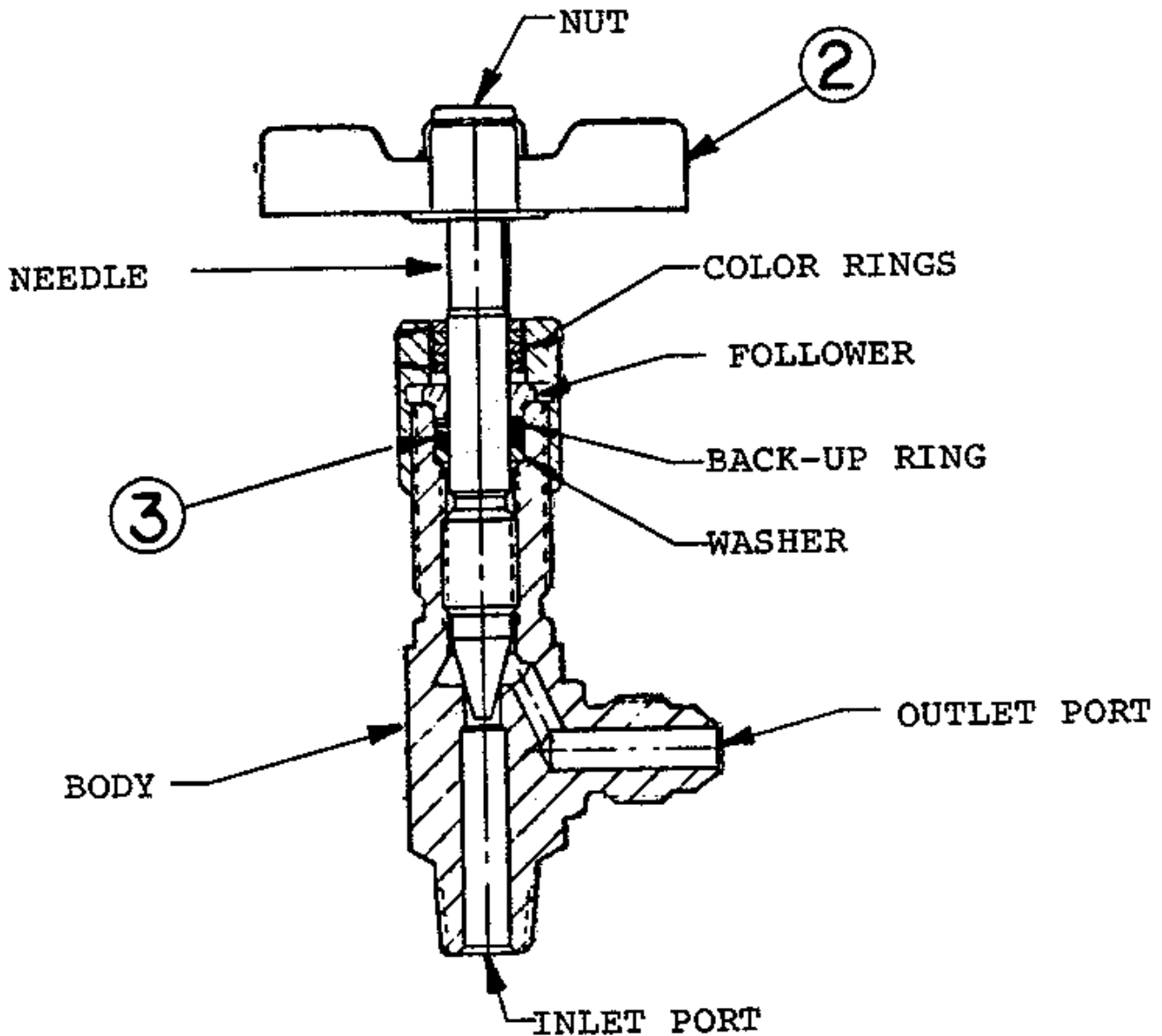
Parts List Illustrations
(Reference Parts/Kits Lists on Page 3.)



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08/2000 – Rev. OR

HC-1101 Valve Shut-Off



ITEM	FLUID	PART NUMBER	DESCRIPTION	QTY
(Complete	Mineral Base	HC-1101-01	Assembly, Valve	1
Component)	Phosphate Ester	HC-1101-02	Assembly, Valve	1
2	N/A	HC-1082	Handle, Valve	1
3	Mineral Base	HC-2000-011	O-ring	1
	Phosphate Ester	HC-2006-011	O-ring	1



APPENDIX I

**HC-1913
Hand Pump
Parts List**



**Model: HC-1913
5000 psi
Hand Pump**

**Parts List
With
Illustrations**

09/2001 – Rev. OR

**** When ordering Replacement Parts/Kits, please specify Model, Color and Serial Number of your Unit.****

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**HC-1913
5000 psi Hand Pump**

Parts List

This pump is compatible with MIL-H-5606/MIL-H-83282 Hydraulic Fluids only.

Reference Illustration on Page 2.

REPLACEMENT PARTS

ITEM	PART NUMBER	DESCRIPTION	QTY
2.....	5M2-B01-5500T	Release Screw Assembly..... (includes Items 1, 2, 4, 5)	1
11.....	506-034	Flange.....	1
14.....	507-030	Piston.....	1
15.....	504-030	Tube	1
19.....	520-030	Wiper Retainer	1
23.....	518-034	Screw.....	4
24.....	503-001	Valve Body (includes Items 7, 10, 24, 25).....	1

All other parts available in Replacement Kits only.

REPLACEMENT KITS

ITEM	PART NUMBER	DESCRIPTION	QTY
	K-1068	Kit, Linkage Replacement; consists of:	
13.....		Assembly, Linkage Pin.....	2
16.....		Strap	2
17.....		Assembly, Clevis Pin.....	1
18.....		Bracket, Handle.....	1
12.....		Pivot.....	1
	K-3419	Kit, Internal Parts Replacement; consists of:	
7.....		Spring, Intake Check.....	1
8.....		Spring, Outlet Check.....	1
9.....		Ball, Outlet Check.....	1
10.....		Ball, Intake Check.....	1
◆ Not Shown		Ball, Release	1
◆ <i>Although item is listed in this kit, it is not used on the HC-1913 pump. This item may be discarded.</i>			
	K-3420	Kit, Seal Replacement; consists of:	
5.....		O-Ring, Buna.....	1
6.....		O-Ring, Urethane	2
20.....		Wiper.....	1
21.....		Ring, Back-up.....	1
22.....		O-Ring, Buna.....	1
26.....		O-Ring, Buna.....	1

NOTE: *The entire pump can be purchased as a kit. (Kit part number can be found in the Operation and Service Manual for your specific model number.)*

HC-1913
5000 psi Hand Pump

Parts List Illustration



WARNING!

Item 2 is a pre-set relief valve. Do Not disassemble this valve. Replacement parts are available as a pre-set valve assembly.

