



**Model: HC-1963
2500 psi Hand Pump**

**Parts List
With Illustrations**

10/2001 – Rev. OR

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**HC-1963
2500 psi Hand Pump**

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.

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

INSTALLATION INSTRUCTIONS:

1. Inspect all parts. Replace all worn or otherwise defective parts.
2. Clean all parts prior to re-assembly.
3. Lubricate all O-rings with clean system hydraulic fluid prior to installation.
4. Torque pump screws (Item 4) to 10 ft-lbs.

Parts List

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

Reference Illustrations on Page 3

REPLACEMENT PARTS

ITEM	PART NUMBER	DESCRIPTION	QTY
4	518-000	Screw, Socket Head Cap	4
9	Not Sold Separately	Pump Body	1
10	H-2607	Assembly, Relief Screw	1
24	506-000	Flange Half	4
Not Shown	H-1009-01	Handle	1

All other parts available in Replacement Kits only.

REPLACEMENT KITS

ITEM	PART NUMBER	DESCRIPTION	QTY
	K-1068	Kit, Linkage Replacement; consists of:	
17		Bracket, Pump Handle	1
18		Assembly, Clevis Pin	1
19		Assembly, Linkage Pin	2
20		Strap	2
23		Pivot	1
	K-1778	Kit, Piston/Cylinder Replacement; consists of:	
1		Retainer, Wiper	1
21		Tube	1
22		Piston	1
25		Assembly, Valve Body (Includes Items 7, 12, 25, 26)	1
	K-1906	Kit, Piston/Seal Replacement; consists of:	
3		Ring, Backup	1
5		O-ring, Piston	1
22		Piston	1

Replacement Kits List continued on following page.

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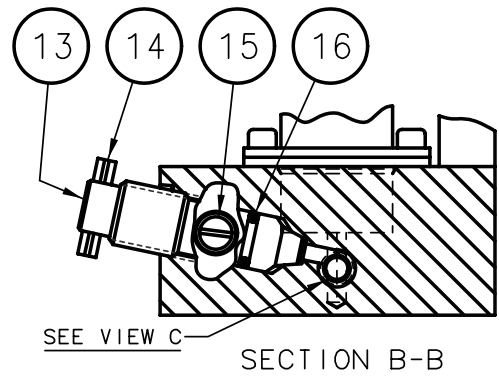
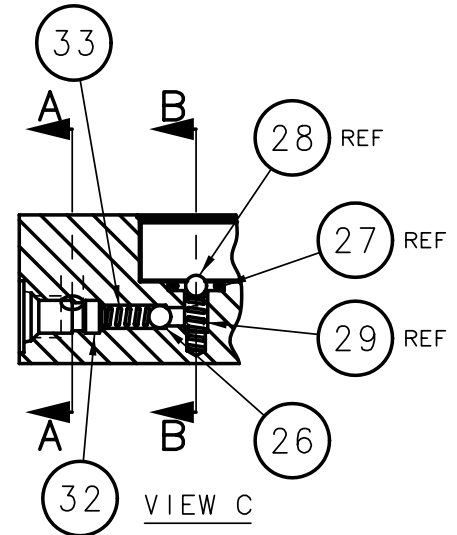
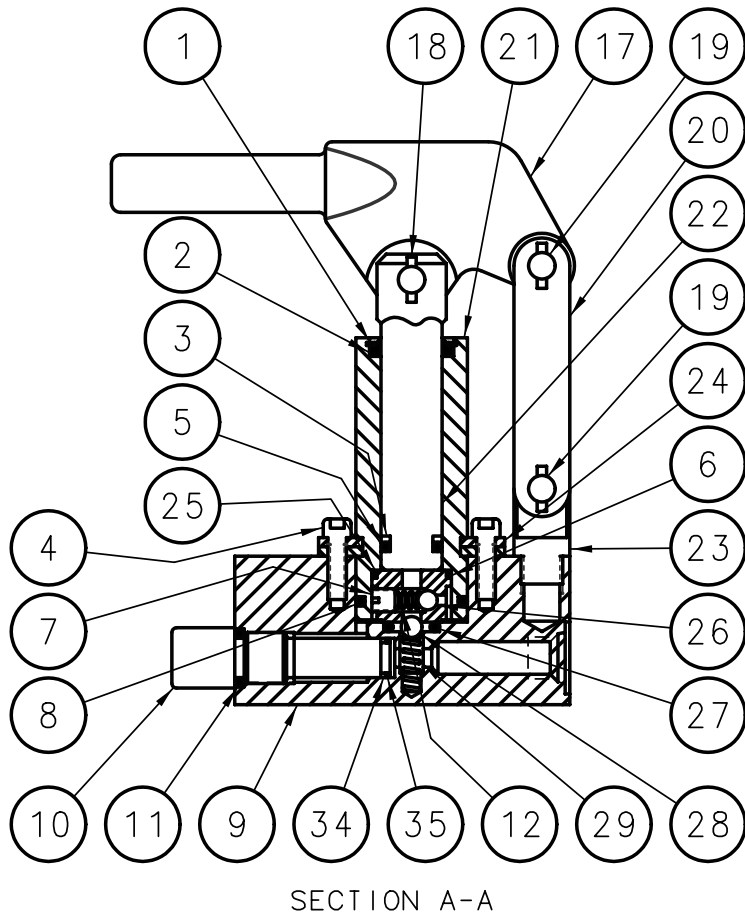
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REPLACEMENT KITS

ITEM	PART NUMBER	DESCRIPTION	QTY
	K-3441	Kit, Seal Replacement; consists of:	
2.....		Wiper, Rod.....	1
3.....		Ring, Backup	1
5.....		O-ring, Piston	1
6.....		O-ring, Valve Body	1
8.....		O-ring, Tube Seal	1
11.....		O-ring, Relief Screw	1
16.....		O-ring, Release Screw	1
27.....		O-ring, Outlet Check.....	1
34.....		Ring, Backup Relief Screw.....	1
35.....		O-ring, Relief Screw	1
	K-3342	Kit, Internal Parts Replacement; consists of:	
12.....		Spring, Inlet Check	1
26.....		Ball, Inlet Check	2
28.....		Ball, Outlet Check.....	1
29.....		Spring, Outlet Check	1
33.....		Spring, Inlet Check	1
	K-3343	Kit, Release Screw Replacement; consists of:	
13.....		Screw, Release	1
14.....		Pin, Roll	1
15.....		Retainer, Screw.....	1
16.....		O-ring.....	1

Parts List Illustrations



WARNING!

Item 10 (H-2607) is a preset relief valve. Do Not disassemble this valve.
Replacement parts are available as a preset relief valve assembly