

## STOWAGE VALVE INSTALLATION INSTRUCTIONS KIT

Only allow **Ingersoll-Rand** Certified Service Technicians to perform maintenance on these winches. For additional information contact **Ingersoll-Rand** or nearest Distributor.

Refer to appropriate **Product Information manuals, documents can be located on [www.ingersollrandproducts.com](http://www.ingersollrandproducts.com) website.**

The use of other than genuine **Ingersoll-Rand** replacement parts may result in safety hazards, decreased performance and increased maintenance and may invalidate all warranties.

**Manuals can be downloaded from [www.winchandhoistsolutions.com](http://www.winchandhoistsolutions.com).** Refer all communications to the nearest **Ingersoll-Rand** Office or Distributor.



### WARNING

- Shut off, bleed down and disconnect air supply line before performing any disassembly procedures.

### NOTICE

- Use in conjunction with **Parts, Operation and Maintenance Manual MHD56234** for some disassembly and assembly text.

### ■ Disconnect Instructions

Refer to Dwg. MHP2464.

1. If equipped with a brake release valve accumulator, bleed excess air from accumulator.
2. If equipped with a controls guard (not shown), remove from the support bracket (503).
3. Remove hose (443).
4. Disconnect hoses (444) and (441) from the emergency brake release valve (432). Label hoses for re-assembling purpose.
5. Remove and discard capscrews (433), washers (399) and locknuts (434) that secure brake release valve to support bracket.
6. Remove brake release valve (432).
7. Remove fitting (430) from brake release valve (432).

### ■ Installation Instructions

Refer to Dwg. MHP2710 on page 2 and Dwg. MHP2464 in Form MHD56234.

1. Secure shuttle valve (15) to the brake release valve (432) with coupler (16).
2. Install fitting (19) to shuttle valve (15).
3. Install hose fitting (17) to shuttle valve (15).
4. Using a 3/8-16 NC bit, tap through the existing four holes in support bracket (503).
5. Secure brake release valve using capscrews (5), washers (6) and locknuts (7) to support bracket (503).

6. Secure stowage valve bracket (2) to support bracket (503) using capscrews (3) and washers (4).
7. Install fittings (20) in stowage valve (1). Ensure openings are face down.
8. Secure stowage valve (1) to stowage valve bracket (3), with capscrews (21), washers (22) and locknuts (23).
9. Install bushing (13) and fitting (14) in stowage valve (1).
10. Install fitting (10) and (12) in stowage valve (1).
11. Install fitting (10) and (12) in main air emergency shut-off valve (548).
12. Attach hose (8) to fitting (14) on stowage valve and fitting (17) to shuttle valve.
13. Attach hose (441) to fitting (388) and hose (444) to fitting (19).
14. Attach hose (8) to fitting (19) on shuttle valve (15) and other end of hose (8) to fitting (397) in motor.
15. Attach hose (9) to fittings (12) on stowage valve and on main air shut-off valve.
16. Connect main air supply to stowage valve (1).
17. Secure caution tag (24) to stowage valve (1) using wire tie (25) and wire crimp (26).

### ■ Testing

Test winch once stowage valve has been installed as follows:

1. With stowage valve button released, operate winch with no load.
2. With stowage valve button engaged, winch should not operate.
3. Release stowage valve knob and operate winch with a load, not less than 200 lbs (91 kg).
4. With manual band brake released, engage stowage valve, load should lower slowly. Release stowage valve, brake should set and load should cease to move.

### ■ Stowing Winch

1. Haul-in winch until wire rope is in a stowed condition.
2. Press emergency stop button to shut off air supply to winch.
3. Release manual band brake.
4. Remove lock from the stowage valve
5. Engage stowage valve by depressing red knob.
6. Reinstall lock on stowage valve.

### ■ Un-Stow Winch

1. Remove lock from stowage valve.
2. Release stowage valve by pulling knob in an upward manner.
3. Reinstall lock on stowage valve.
4. Refer to appropriate Product Information manuals, documents can be located on [www.ingersollrandproducts.com](http://www.ingersollrandproducts.com).

## STOWAGE VALVE KIT ASSEMBLY PARTS LIST

Item No.	Description of Part	Total Qty	Part Number	Item No.	Description of Part	Total Qty	Part Number
---	Stowage Kit Assembly *	1	382-31367	14	Fitting, Elbow	1	54869
1	Stowage Valve	1	71451843	16	Shuttle Valve	1	50277
2	Stowage Valve Bracket	1	382-31395	16	Fitting, Coupler	1	54274
3	Capscrew	4	53890	17	Fitting, Hose	1	53939
4	Washer	4	71055206	18	Lock **	1	71457030
5	Capscrew	2	71138069	19	Fitting, Tee	1	52181
6	Washer	2	71271985	20	Fitting, Street	2	52190
7	Locknut	2	50852	21	Capscrew	3	71328389
8	Hose Assembly	2	382-31406-1	22	Washer	3	71055206
9	Hose Assembly	1	382-31406-2	23	Locknut	3	71069132
10	Fitting, Hose	1	71397921	24	Tag, Caution **	1	71457121
11	Fitting, Hose	1	71397939	25	Wire Tie **	1	71410559
12	Fitting, Swivel Elbow	2	71456982	26	Wire Crimp **	1	71410542
13	Fitting, Pipe	1	71403299				

\* Stowage Kit includes items 1-26.

\*\* Not Illustrated



Form MHD56317

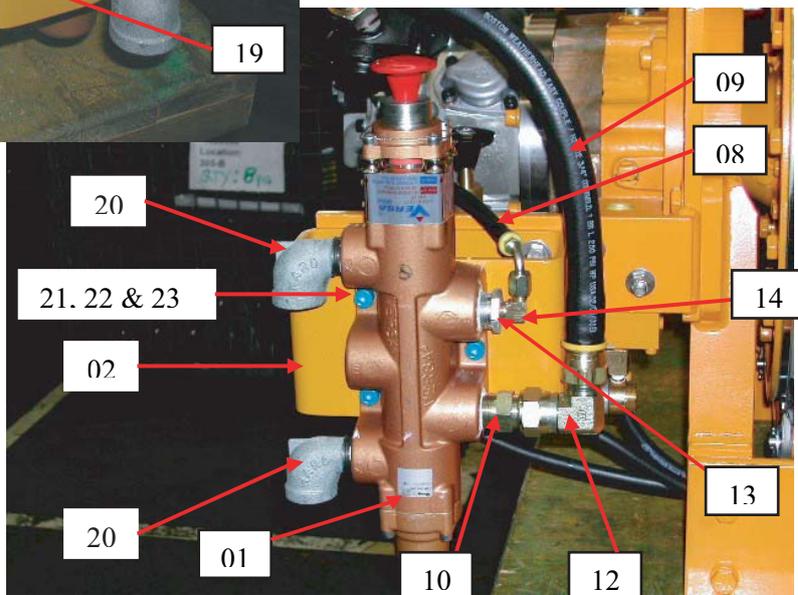
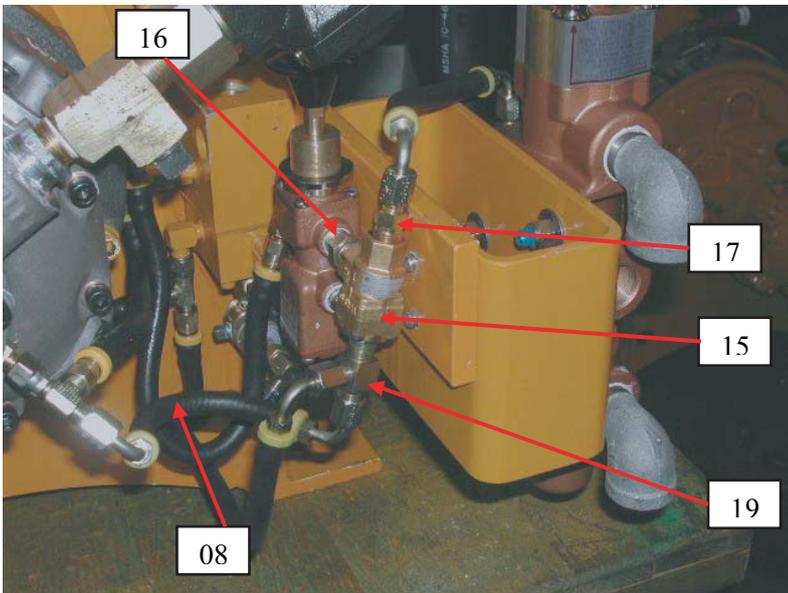
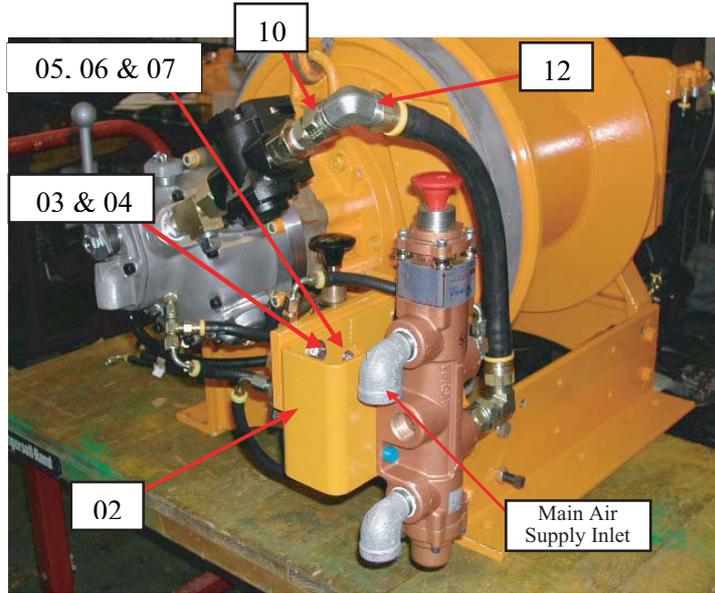
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# STOWAGE VALVE KIT ASSEMBLY DRAWING



(Dwg. MHP2710)

