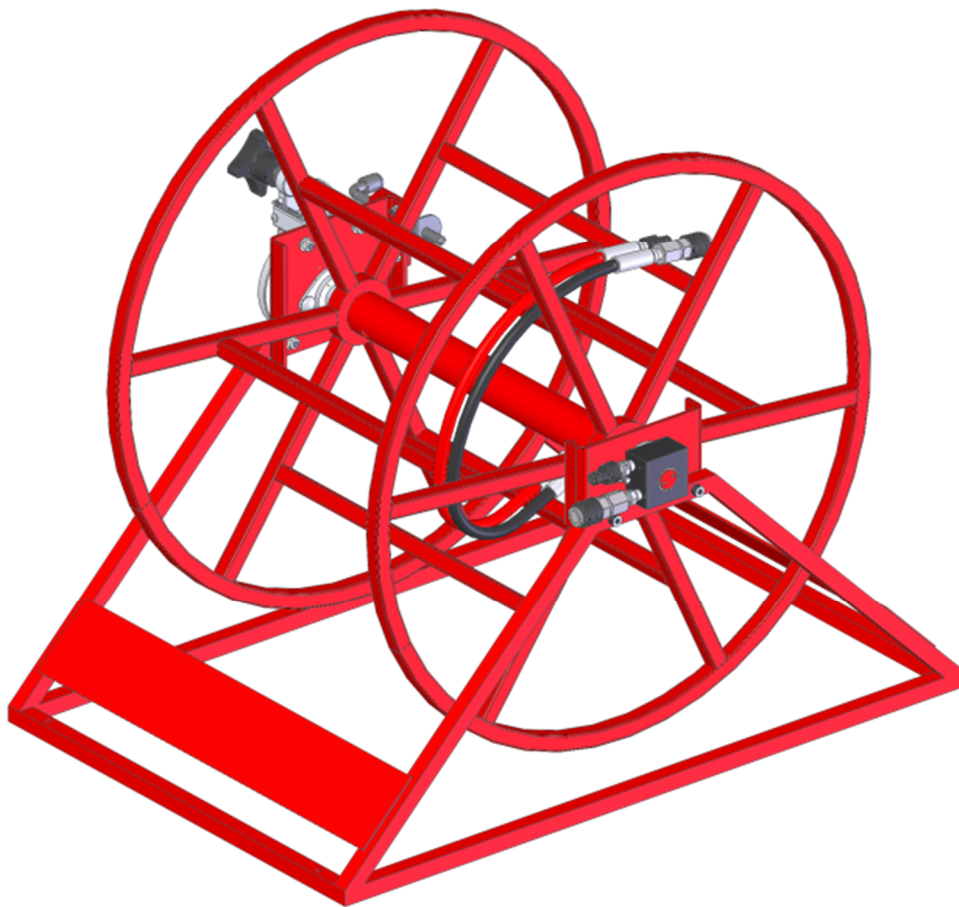



Hi-Force® HYDRAULIC TOOLS		HTWR1 HOSE REEL OPERATING INSTRUCTIONS		TDS:- 1439
Prepared by:-	Mark Dalley	Approved by:-	Martin Davies	Date: 05/08/15
REV NO:-	1			
ECO:-	4573			

INTRODUCTION

The Hi-Force HTWR1 hose reel is designed for torque wrench hose connection between the pump and the torque wrench. The reel can accommodate up to 100 metres of Hi-Force HTWH twin hydraulic hose. The reel comes complete with quick connect couplings, integrated brake and a spring loaded locking bolt.

It is recommended that these instructions are read in conjunction with the torque wrench and pump operating instructions.



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SAFETY NOTES

WARNING!

All equipment used must be rated for the same operating pressure i.e. 700 bar (10 000 psi). DO NOT MIX high and low pressure components.

If in doubt, contact your local Hi-Force Distributor.

Never attempt to use this High Pressure equipment if you are in any doubt regarding the correct assembly and operation.

Always wear eye protection and gloves.


Do not exceed the maximum working pressure (700 bar).

Never pressurise an un-coupled male coupling connector.

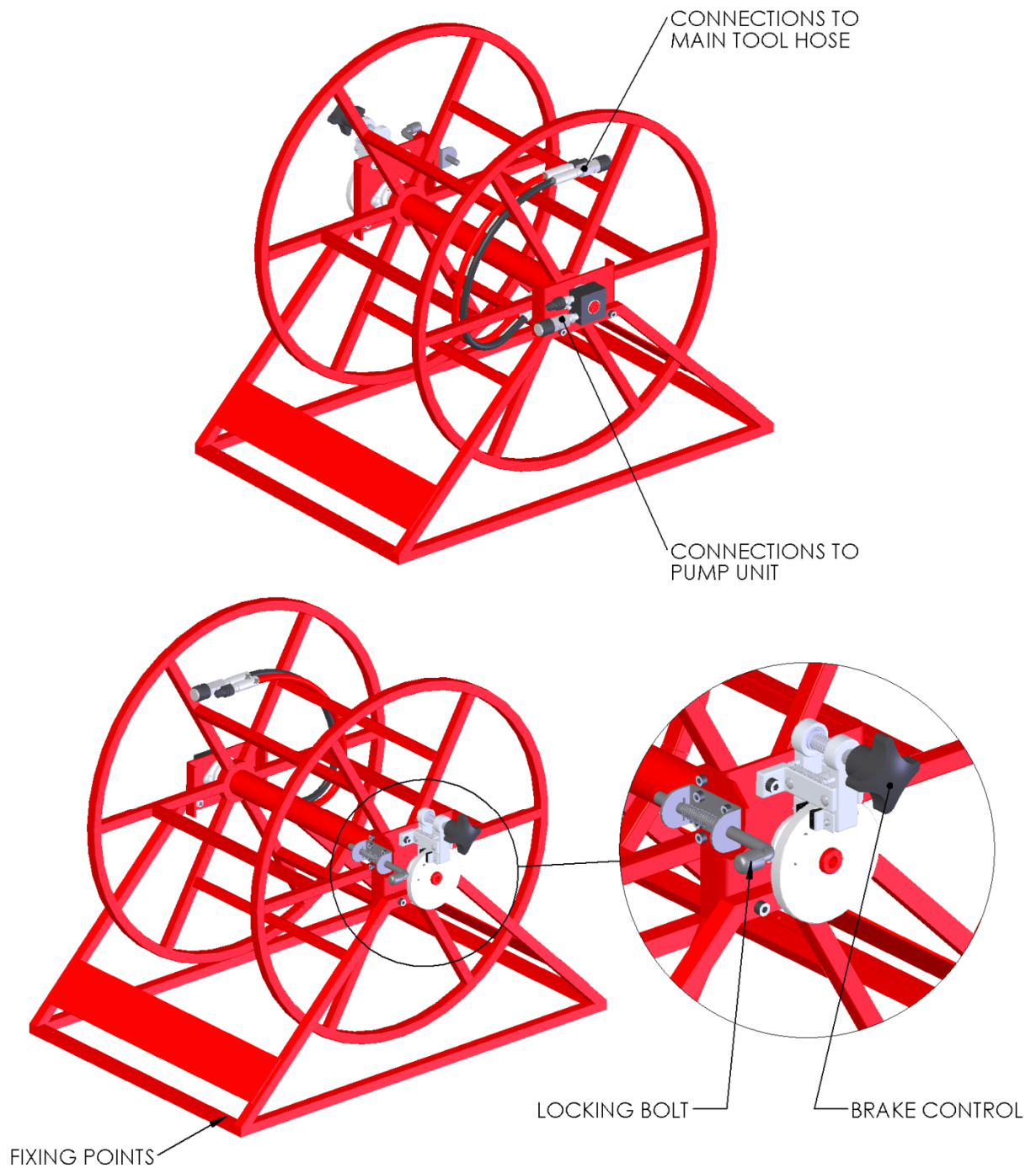
Never manually handle a pressurised hose, even with gloves.


Never attempt to solve leaks in the system while the system is pressurised.

Failure to follow these instructions will result in damage to the unit or may result in operator injury or death.

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IDENTIFICATION OF COMPONENTS



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ASSEMBLE HOSE TO HOSE REEL

- Unwind the hose without introducing twists and lay out as straight as space permits. Connect the hose couplings on the hose to the short whip hoses fitted to the reel.
- Ensure the spring loaded locking bolt is disengaged, and turn the brake control knob anti-clockwise to release the brake.
- Wind the hose carefully in rows onto the hose reel .

Note: Ensure the coils are not overlapped and twisted as this could result in the hose being damaged.

- Engage the spring loaded locking bolt. Secure the free end of the hose to the side of the reel using an elastic strap or other suitable means, to prevent accidental uncoiling.

OPERATING INSTRUCTIONS

Note: DO NOT connect the pump unit to the hose reel until the hydraulic circuit has been fully assembled.


Uncoiling

Note: During deployment an authorised person is required to man the hose reel to control the speed and to apply the spring loaded locking bolt when the hose is at required length.

- Tighten the brake control knob (clockwise) to apply resistance to prevent the reel speed from increasing dramatically and going out of control. Loosen the brake control knob (anticlockwise) to reduce resistance and let the hose out more freely.

Note: the integrated brake is not a dead stop brake, it is to prevent the reel speed from increasing dramatically and going out of control when being pulled / lowered.

- When the required hose extension is reached, engage the spring loaded locking bolt.
- Connect a torque wrench to the free end of the hose on the hose reel

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- Connect the pump to couplings on the hub of the hose reel by means of a suitable length of HTWH twin hose.

Torque tool operation


Refer to the appropriate torque wrench and pump operating instructions.

Coiling up

- Ensure the pump is depressurised, turned off and disconnected from the hose reel.
- Release the spring loaded locking bolt.
- Release the knob on the integrated brake (anti-clockwise).
- Wind the hose carefully back in rows onto the reel, during this operation inspect hose for any damage i.e. cuts, kinks etc.

Note: Ensure the coils are guided in a side by side pattern, if coils are overlapped or twisted could result in the hose being damaged.


- Apply the spring loaded locking bolt.
- Fit the dust caps to the couplings.

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CARE & RECOMMENDED ROUTINE MAINTENANCE

- Inspect couplings for damage and corrosion.
- Prior to use inspect hose for damage i.e. cuts, kinks etc.
- Check the reel is free moving (without applying the integrated brake).
- Check the resistance on the reel when the integrated brake is applied. If no resistance then the brake is either worn or is contaminated with some lubrication i.e. grease, oil etc. If brake pads are contaminated then they will need to be replaced as there is no successful method of removing the contamination.
- When not in use, ensure the dust caps are fitted.
- Protect the hose reel from the elements when not in use.

Only use genuine Hi-Force spare parts. Spare parts sheets can be downloaded from our website www.hi-force.com.

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NOTE(S):

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