



HYDRA TARP™ SERIES 2000



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Pairing Transmitter and Receiver

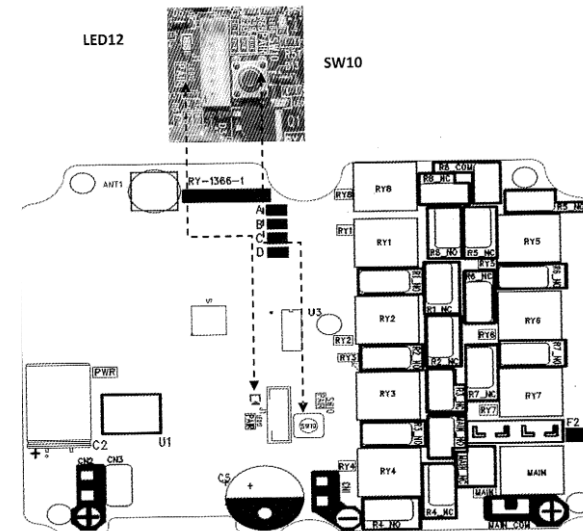
Attention:

1. Before carrying out the pairing processes, please make sure the transmitter and receiver are switched off.
2. If the whole pairing processes are incomplete within 30 seconds, it will terminate automatically.

Through the following pairing processes, any SAGA1-V6 transmitter and receiver can be paired as a group working together.

1. Remove the receiver upper casing, press isolation button then press and hold SW10 (Receiver) for 3 seconds, the LED 12 will flash Red constantly.
2. Press and hold "Pushbutton 1 & 2" on transmitter for 3 seconds while holding down, press "Start pushbutton A".
3. LED indicator on transmitter will flash Green colour.
 - A. Press "Pushbutton 1" to confirm pairing processes. (This stores receiver's ID code/function setting into transmitter (Overwritten), then LED indicator will flash Green slowly and vanish, the whole process is completed).
 - B. Press "Pushbutton A" to lock the code in.

Note: When assembling the SAGA1-V6 Receiver upper & bottom casing together, please assure that the pressure balance air bag is not squeezed or being compressed by wires.



Trouble-Shooting

Fault	Possible Cause	Remedy
Remote control not working	<p>Handheld remote battery flat</p> <p>Remote control will not work if you are standing too close to receiver.</p> <p>Isolation system has not been disengaged</p>	<p>Replace the 2 x AA batteries.</p> <p>Stand at least 2mtrs from receiver box.</p> <p>Ensure A + B buttons on remote are pressed within 30 seconds of pressing the isolation button.</p>
Hydraulic rams won't retract	Hydraulic pressure is too high	<p>Back manual relief valve off, situated on the power pack. If issue persists, remove cover nut and loosen lock nut, remove rubber grommet on the control box and insert flat screwdriver onto nut adjustment. Unscrew ¼ turn anti clockwise or until tarp starts to lower, tighten lock nut when adjustment has been achieved.</p>

System Description

The Hydra Tarp Series 2000; a cordless remote control operated hydraulic tarping system for 12 or 24-volt waste trucks. It is installed behind the cab of waste trucks that use the Hook Lift system.

The purpose and function of the system is for operators to safely and efficiently cover bulk container loads from ground level eliminating the risks associated with manual tarping.

The system is suited for container up to 40.0 cubic metres.

The system includes the virtually untearable superior mesh tarp of 9mtrs, with enveloped sides and tie-downs on both sides at 2mtr intervals. The usable length of the tarp is 7mtrs, which allows for increased strength with 2mtr reserve on the barrel.



Specifications and Technical Parameters

Technical Parameters	Datum
Width	2500mm
Height – Closed	1900mm
Height – Open	4338mm
Depth	400mm
Ram Travel	1219mm each x 2 (2438mm)
Maximum working pressure of hydraulic system	Rated at 900 PSI
All hydraulic components and hydraulic hose	Rated at 3000 PSI
Ratings	
Power Ratings	12 volt or 24 volt
Remote Control Frequency	433.920 MHZ
All Welds	AS1554

Operating Controls

The system is operated by a handheld remote control. Control functions are as follows.

- 1 – Raise
- 2 – Lower
- 3 – Out
- 4 – In

All controls are suitably marked on the remote.

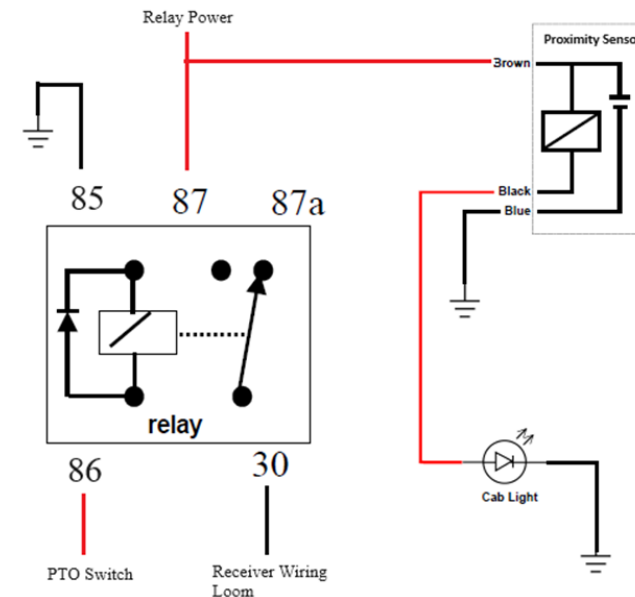
The Hydra Tarp Series 2000 is fitted with a manual override for the Down function, contained within the water-resistant control box.

Maintenance Procedures

Recommend Being Included In General Truck Maintenance Schedule

- Check Oil Levels
- Grease legs
- Check Cab Light & Proximity Sensor Operation
- Check Ropes Are Undamaged
- Check Hoses for leaks.
- Check welds for cracks
- We recommend lock on the box to be used, ensuring access to the hydraulic motor, valve and remote receiver by authorised persons only.

Wiring Diagram



Installation Instructions

1. Chassis mounting configuration should be done exclusively to an engineer's specifications for VASS certification on completion.
2. We recommend a 2-core wire be run into cabin of the truck and connected to the PTO switch of the vehicle, when connected to the control box of the tarp cover. This enables the tarp cover to be switched off when the PTO switch is disengaged.
3. The hydraulic power pack is to be connected to the battery via supplied 175A Anderson Connector, with 200A resettable fuse connected in the positive line, as close to the battery as practical.

Standard Safety Features

1. Hydraulic rams are fitted with anti-burst check valves which prevents the telescopic stages from dropping in the event of a hose bursting.
2. Hydraulic and wireless control systems are fitted with manual overrides.
3. An isolation button is fitted to prevent unintentional remote use.
4. A 200A Resettable Fuse is Installed or provided to prevent electrical component damage.
5. All electrical and hydraulic controls are housed in a lockable water-resistant box. No other product or materials may be placed inside this box at any time.
6. Caution Stickers are affixed to the system giving instruction on hazard avoidance.

Recommended Optional Safety Features

1. "Tarp Up" warning label and LED lamp, which should be installed in the vehicle cabin and connected to the provided proximity sensor.
2. Connecting Relay to PTO switch to ensure tarp operation cannot be undertaken without vehicle being in PTO operation.

Safe Operating Procedure

To be used by trained personnel only

Tarping a Bin

1. Turn PTO on (if PTO switch is installed)
2. Uncoil the rope from its secured position.
3. Ensure the isolation button has been pressed.
4. Turn the remote control on by pressing A and B simultaneously within 30 seconds of pressing the isolation button. The LED above the Red STOP button should flash green.
5. Press & hold button **1** to raise the system to its full extent, release button.
6. Walk along the passenger side of the truck and flick the rope over the front left and rear left corners of the bin.
7. With the rope centrally located over the rear of the bin, press & hold button **2** to release the tarp, guide the tarp out until the draw bar is sitting above the rear door and the triangular flap is over the rear of the bin.
8. Attach the tarp draw rope to a secure location on the rear door.
9. Press & hold button **5** to lower the tarp to the stowed position.

NOTE: The system must be in the fully stowed position during any form of travel.

10. Press button **6** to retract the tarp until taut across the length of the bin.
11. Secure ropes to the sides of the bin.
12. Press **STOP** Button on remote and turn PTO Off (if PTO Switch is installed).

Safe Operating Procedure

To be used by trained personnel only

Un-tarping a Bin

(Follow steps 1-4 in Tarping a bin)

1. Press button **2** to release tension on the tarp.
2. Untie all side ropes.
3. Press & hold button **1** to raise the system to its full extent whilst unrolling the tarp.
4. Untie rope from the rear of bin (if not already done).
5. Press button **6** to retract the tarp while holding the tarp draw rope and guiding the tarp into the top shroud.
6. Press & hold button **5** to completely lower the system.
7. Coil the rope and secure to the hooks provided.
8. Press **STOP** Button on remote and turn PTO Off (if PTO Switch is installed).

NOTE: On a windy day, always face the truck into the wind to minimise the risk of the tarp from being blown off the bin when rolling in.