



Cottrell Inc. Strap & Chain Trailer Only Acknowledgment

When purchasing a strap or chain “trailer only” from Cottrell, the following items must be addressed to ensure proper function of the trailer and mating to the headramp. If the mating headramp is a Cottrell unit, we will assist in any conversion required for match up purposes. If the headramp is a not a Cottrell product, the customer will be required to go to the OEM for assistance. The purchaser is responsible for mating the trailer with a headramp that ensures compliance with all applicable Federal, State, and local laws including, but not limited to, laws regulating the overall length of the headramp/trailer combination.

The following conditions must be addressed in achieving proper function of the purchased “trailer only” unit:

- 1) Sufficient hydraulic flow rate of 5-6 gallons per minute.
- 2) High flow and low flow valves on trailer and headramp combinations do not need to match. For example, the headramp could have low flow valves and the trailer could have high flow valves. Only the high-side cylinder strap unit uses high flow valves. The low side cylinder strap units use standard valves. There may be a slight reduction in performance when using a low flow valve on the headramp.
- 3) High side cylinder strap trailers require a 1/2” pressure line and a 5/8” return line. Low side cylinder strap trailers use standard 1/2" pressure and return lines. The customer will need to make necessary adjustments to his existing equipment. Quick disconnect parts for the return line can be obtained through Cottrell’s parts department.
- 4) A tractor split fuel/hydraulic tank system is sufficient to operate a 3-Car strap headramp attached to a high side or low side cylinder strap trailer.
- 5) Strap headramps larger than three car capacity will require an increase in the size of hydraulic fluid to 33 gallons of usable fluid. An existing 25 gallon factory installed hydraulic oil tank will not work.
- 6) Please be aware there are two different pressure settings for Cottrell strap equipment. The high side strap equipment maintains a pressure setting of 1850psi. The low side strap equipment pressure setting is increased to 2250psi due to lifting angles. Since the pressure is increased on the low side equipment certain items will need to be replaced or adjusted. This increased pressure will require the cylinders to have a cross over relief valve installed or the cylinders will need to be replaced with 1/4” wall tubing.
- 7) Please be mindful of the jump precautions on high side and low side strap equipment.
- 8) If your Headramp was built before May 1st 2012, then you will have to change some wiring on your 7-Way and 6-way plugs. Your tractor seven way plug that mates to our junction box currently has the black wire capped off. You will need to reattach this wire to the 7-way plug. Then you must move the black / white wire from the 7-way junction box to the 6-way junction box for your night loading lights. If your tractor does not have an auxiliary plug one will need to be added. We can perform these services at Cottrell for a small fee at time of pick up if scheduled properly.