



559-734-7451 800-367-5480 FAX 559-734-7460

INSTALLATION INSTRUCTIONS

4893 Dual Cab Control Compressor Kit

Thank you for purchasing a quality Hellwig Product.

**PLEASE READ THIS INSTRUCTION SHEET COMPLETELY BEFORE STARTING
YOUR INSTALLATION**

IMPORTANT NOTES

***DO NOT INFLATE ANY AIR SPRING ASSEMBLY UNLESS IT HAS BEEN
PROPERLY INSTALLED ON VEHICLE.***

DO NOT INFLATE AIR SPRINGS OVER 100 PSI

**A MINIMUM OF 5-10 PSI MUST BE MAINTAINED IN AIR SPRINGS
AFTER INSTALLATION FOR WARRANTY TO BE VALID. FAILURE TO
KEEP MINIMUM PRESSURE IN AIR SPRINGS WILL VOID WARRANTY.**

**THIS UNIT IS DESIGNED TO INCREASE THE LEVEL LOAD CARRYING
CAPACITY OF YOUR VEHICLE. NEVER LOAD THE VEHICLE THIS
UNIT IS INSTALLED ON BEYOND THE MANUFACTURER'S MAXIMUM
GROSS VEHICLE WEIGHT RATING.**

**OVERINFLATION AND IMPROPER USE MAY RESULT IN PERSONAL
INJURY AND/OR DAMAGE TO YOUR VEHICLE AND PROPERTY.**



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BEFORE STARTING YOUR PROJECT

WHEN LIFTING A VEHICLE WITH A JACK, BE SURE TO SET THE PARKING BRAKE AND USE SAFETY STANDS.

ENSURE THAT THE INSTALLATION OF COMPONENTS WILL NOT CRUSH OR DAMAGE FUEL AND BRAKE LINES OR ELECTRICAL HARNESSSES.

BEFORE DRILLING ANY HOLES, ENSURE THAT ALL ELECTRICAL WIRES, FUEL LINES, BRAKE LINES, BRAKE HOSES AND ANY OTHER COMPONENTS ARE MOVED OR PROTECTED TO AVOID DAMAGE FROM DRILLING ANY HOLES .

DO NOT ATTEMPT ANY MODIFICATIONS TO THE VEHICLE OTHER THAN THOSE OUTLINED IN THIS INSTRUCTION SHEET. IF ANY INTERFERENCE WITH THE GAS TANK, FUEL LINES, BRAKE LINES, EXHAUST PIPE, ETC. EXISTS, STOP YOUR INSTALLATION AND CALL HELLWIG PRODUCTS FOR TECHNICAL HELP.

IF WHEELS ARE REMOVED FOR INSTALLATION OF KIT, CHECK MANUFACTURERS SPECIFICATIONS FOR PROPER LUG NUT TORQUE BEFORE REINSTALLING WHEELS.

WHEN CUTTING AIR BRAKE TUBING, A SQUARE CUT IS REQUIRED AND THE HOSE END MUST NOT BE DEFORMED OR LEAKAGE MAY RESULT. IF DEFORMATION OF THE HOSE END OCCURS, THE HOSE END MUST BE REWORKED SO THAT IT IS ROUND.

ENGAGEMENT OF THE SEALING O-RING WILL BE FELT WHEN THE AIR LINE HAS BEEN INSERTED PROPERLY INTO THE FITTING. FITTINGS MAY BE DISCONNECTED IF REQUIRED BY PUSHING DOWN ON THE OUTER RING WHILE PULLING FIRMLY ON THE AIR LINE.

ROUTE AIR LINES AWAY FROM EXHAUST PIPES OR ANY OTHER SOURCES OF HEAT AND ENSURE THAT THE AIR LINES ARE PROTECTED FROM SHARP EDGES.



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1. Prepare the compressor for mounting by HAND-TIGHTENING the air filter into the port on the compressor. Select a convenient mounting location for the compressor where it will be protected from moisture and debris but has enough air flow to keep the compressor from overheating. Mount compressor using provided hardware. Select a mounting location for the tank as close to the compressor as possible. It is preferred to connect the braided stainless hose directly to the compressor. If necessary, adapters are provided with the compressor to connect nylon hose to the compressor hose. Do not remove the braided hose or check valve from the compressor.

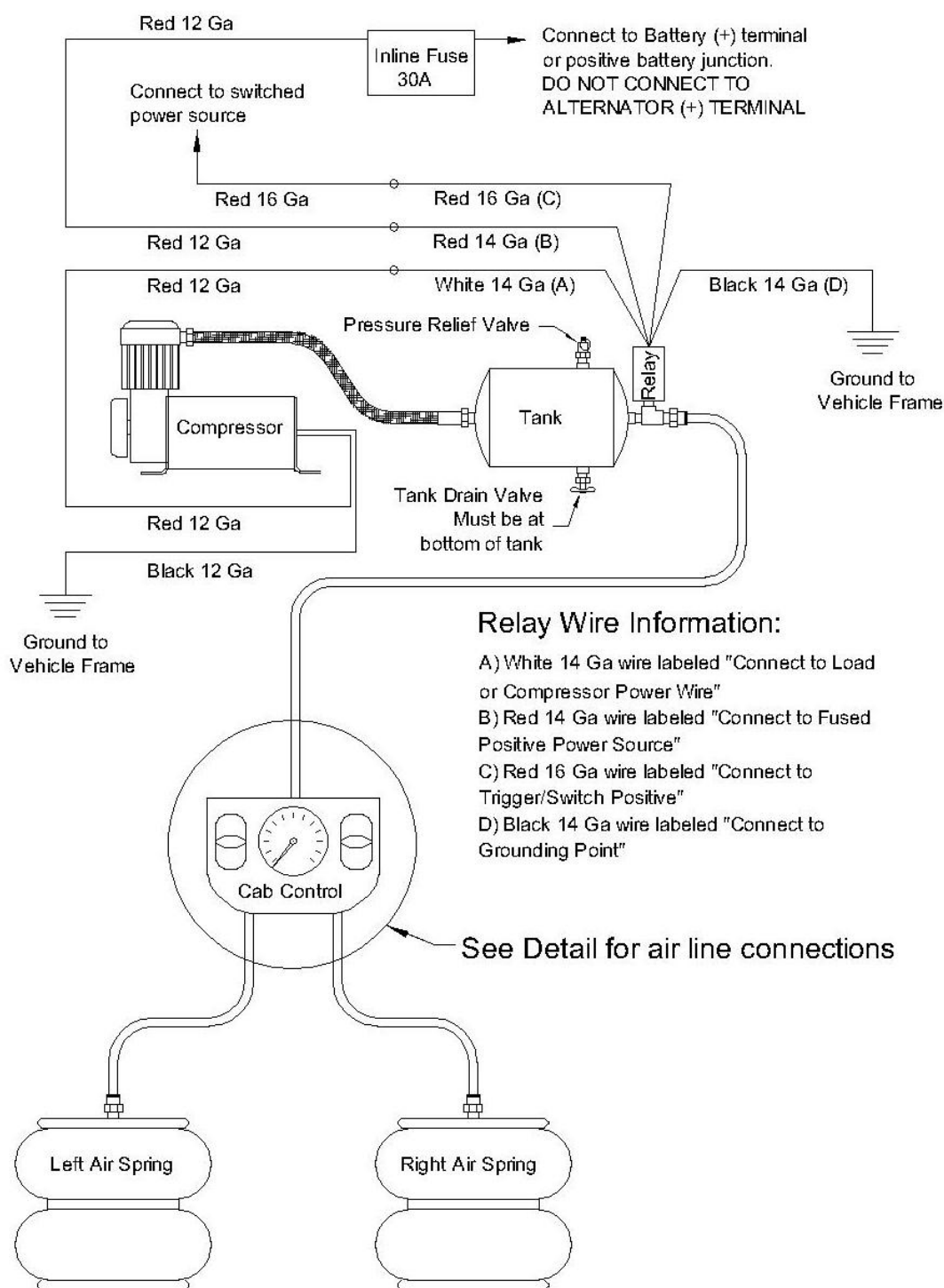


2. Select a location under the dash for mounting the dash/gauge control panel. Use the control panel as a template to mark mounting holes before drilling 3/16 diameter holes for the mounting hardware. Mount dash control panel using supplied hardware.



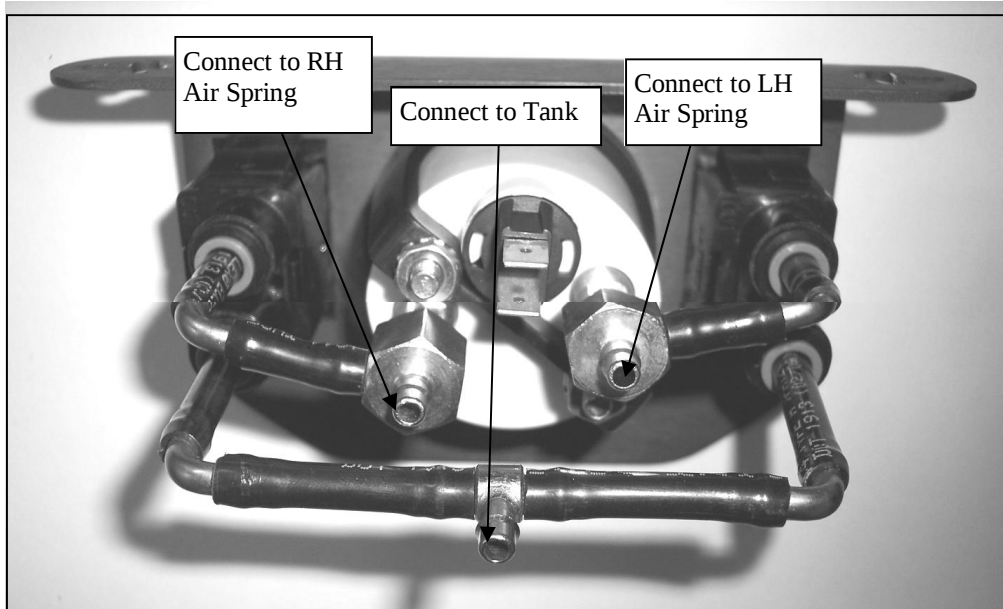
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Plumbing and Wiring Diagram





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3. Follow plumbing and wiring diagram for connection of dash control, compressor, relay, and tank. See photo above for connections to barbed fittings on dash control. The supplied 1/4" nylon tube is designed to slip tightly over the barbed fittings and will not require any additional clamps. If you need to remove a hose from the barbed fitting, carefully cut the tubing so as not contact the fitting. If the fitting is damaged or nicked a leak may develop. Take care when routing air and electrical lines that they will not be crimped or chafed during installation or use. Deviation from the electrical diagram and failure to use an inline fuse holder (supplied) will void warranty. DO NOT install fuse in inline fuse holder until all connections and circuits are verified to be completed correctly.

4. After all connections have been verified, install fuse in inline fuse holder, apply park brake and start engine with shifter in park or neutral. The compressor should turn on. Due to the amperage draw of the compressor, failure to turn engine on during initial startup may drain the battery enough to require a jump start.

5. Test system by adding air to air springs. Pushing up on the paddle switches will add air to the system and pushing down will exhaust air. Fill air springs to 40 psi and check all connections with soapy water for leaks. After the integrity of the system is verified, the air springs can be inflated to desired pressure. A MINIMUM OF 5-10 PSI MUST BE MAINTAINED IN AIR SPRINGS AFTER INSTALLATION FOR WARRANTY TO BE VALID. FAILURE TO KEEP MINIMUM PRESSURE IN AIR SPRINGS WILL VOID WARRANTY.