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August 2, 2017

Dear Altec Owner,

Altec Industries, Inc. has developed a product improvement which relates to certain Effer Cranes installed at Altec Northeast LLC .

Refer to SIL 658 for items covered under the warranty policy. Altec will supply necessary parts to correct this condition.

In order to determine if your unit is affected by SIL 658, compare the serial number of your unit with the list of affected units as described on the SIL. The product improvement can be performed by the customer or you may contact Altec at 1-877-GO-ALTEC (1-877-462-5832) for further assistance.

At any time, you may contact Altec at 1-877 GO ALTEC (1-877-462-5832) with your unit's serial number to determine if there are any other outstanding notices.

If you have sold or retired the unit please call Altec at 1-877-GO-ALTEC (1-877-462-5832) so the records may be changed.

We regret this inconvenience; however we are taking this action in the interest of your safety and continued satisfaction with Altec products.

Thank you for your immediate attention on this important matter.



Altec Northeast LLC
Sterling, MA 01564

SIL 658

Service Information Letter

Date: August 2, 2017

Units Affected: Specific Effer Cranes installed at Altec Northeast LLC (see attached list)

Sense Line Hose Replacement

The Effer Crane product develops pump pressure higher than Altec units. This higher pressure requires a hose with a higher pressure rating. The sense line on the affected units was made of hose that did not have the higher pressure rating. Over time, this hose may have leaks at the fittings or blistering of the sheathing due to the incorrect pressure rating. There have not been any reported field failures of the sense line hose because of the incorrect hose.

Altec Northeast LLC requires that the affected hoses be replaced within 90 days of the receipt of this SIL or at the next preventive maintenance interval. Each unit may have one to two sense line hoses that require replacement. The hoses do not have a part number, and must be ordered by the length of the hose. Use the procedure beginning on Page 2 to determine the hose length required.

This repair is covered under the Altec Warranty Policy and can be performed by Altec or the customer's warranty provider. The part will be provided by Altec. Altec will allow up to \$255 for the labor to perform this repair. A warranty claim must be submitted for the cost of labor. Call 1-877-GO ALTEC (1-877-462-5832) to schedule the work to be done by an Altec service technician. Customers are responsible for the travel costs of an Altec Mobile Service technician if the technician performs the inspection or repair at the owner's location.

Inspection and Measuring Procedure

1. Position the unit on a level surface, apply the parking brake and chock the wheels. Engage the unit's hydraulic system. Properly set the outriggers. Disengage the unit's hydraulic system.
2. Determine the locations of the hose or hoses requiring replacement. Each unit may have up to two sense line hoses that require replacement. The sense line hoses will be black with yellow lettering on it and be marked at 3000 PSI in the lettering (refer to Figure 1). These hoses connect the sense port on the hydraulic pump to the shuttle valve below the crane (refer to Figure 2). On a few units, the hose may also connect the shuttle valve below the crane to the shuttle valve on the crane (refer to Figure 3).

Yellow Lettering and 3000 psi Designation

Figure 1 — Sense Line Hose Requiring Replacement

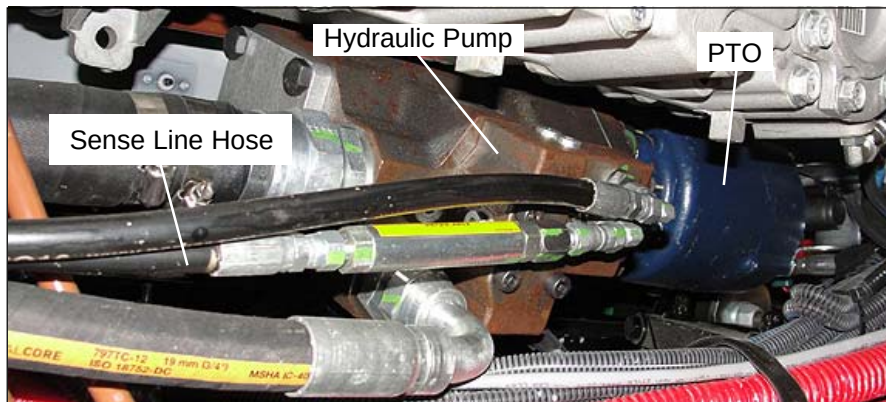


Figure 2 — Sense Line Hose Location

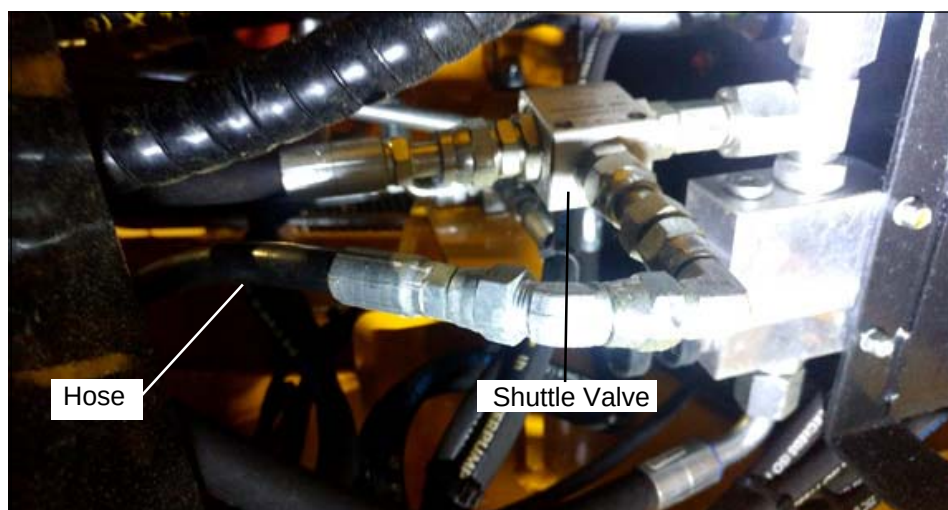


Figure 3 — Hose From Shuttle Valve to Shuttle Valve

3. Do not remove the hose from the components. Measure the hose from the end of one crimped sleeve to the outer end of the other hose crimped sleeve using a tape measure (refer to Figure 4). This will usually require more than one person to get an accurate measurement. Notice if the hose end fittings are different than straight fittings and write down both the hose length and end fittings type.

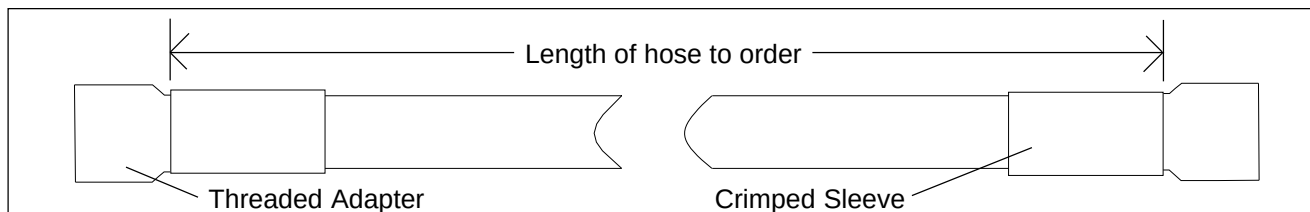


Figure 4 — Measuring Hose

4. After the length is determined, contact 1-877-GO ALTEC (1-877-462-5832) and use prompt 4 for Technical Support. Have the unit serial number, the length of the hoses, and the type of end fittings. Contact Technical Support if assistance is needed or you have questions.

5. Once the hoses have arrived from Altec, verify the length of the hose that was ordered matches the length of the hose on the crane. If not, repeat Step 3.

Hose Replacement Procedure

Normal mechanics hand tools are required for the installation of this hose. Read and understand all steps of the instructions before beginning the procedure.

1. Position the unit on a level surface, apply the parking brake and chock the wheels. Engage the unit's hydraulic system. Properly set the outriggers. Disengage the unit's hydraulic system.



Death or serious injury can result from hydraulic oil being injected into the flesh when loosening or disconnecting hydraulic components. Remove the pressure before loosening or disconnecting hydraulic components.

Seek immediate medical attention if injured by escaping hydraulic oil. Serious infection or reaction can result if medical treatment is not given immediately.

Spilled hydraulic oil creates slick surfaces and can cause personnel to slip and/or fall. Keep the unit and work areas clean.

2. Slowly loosen the sense line hose at the shuttle valve under the crane allowing the oil to leak out into a container before completely removing the hose end from the valve.
3. After the oil is drained, remove the sense line hose from the hydraulic pump.
4. Install one end of the new hose on to the pump.
5. Install the remaining end of the hose on the shuttle valve. Tighten both ends of the hose securely.
6. Repeat the same process for additional sense line hoses making sure to drain oil from the hose before removing from the hydraulic component. Tighten all replacement hoses securely.
7. Check the hydraulic oil level in the reservoir and refill with oil as necessary.
8. Engage the unit's hydraulic system. Operate all unit functions checking for leaks and proper operation. Make any corrections necessary.
9. After testing and being sure all functions work properly, stow the unit, retract the outriggers, and disengage the unit's hydraulic system. Check the hydraulic oil level in the reservoir and refill, if necessary.