

PARTS & SERVICE NEWS

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DATE	30, October, 2000

IMPORTANT SAFETY NOTICE

SUBJECT:	STEERING CYLINDER ROD EYE FAILURES
PURPOSE:	Inform the field of potential steering rod failures
APPLICATION:	530M Dump Trucks, Serial Numbers A30001 through A30038 930E Dump Trucks, Serial suffix's AFE48-A through AFE48-X, AFE48-M, AFE48-N, AFE48-Q, & AFE48-V Serial Numbers A30027 through A30075, A30079, A30081, A30082, A30085 through A30097, A30099, A30101 through A30120, A30148 & A30154
FAILURE CODE:	H1X2 Z9
DESCRIPTION:	Fatigue failures on the steering cylinder piston rod.

An evaluation of production trucks in service has revealed that some piston rod to rod eye welds have cracked during operation. The steering system's design has been engineered so that if a rod eye separated from the piston rod, the truck operator will not lose total steering control or any hydraulic functions. **A Factory Campaign is in process.** The Factory Campaign will replace cracked piston rods with new steering rods. Until the piston rod has been replaced, a daily recorded visual inspection of the rod eye weld joint by a qualified inspector will be required. Also, during the rebuilding of the steering cylinder, all seals and bearings are to be replaced.

The steering cylinders rod eye weld (see Figure 1) needs to be cleaned thoroughly once a day and visually inspected for surface cracks. Dye penetrant will be required for visual inspection. Always follow the manufacturer's product instructions for using dye penetrant. Both steering cylinder rod eye welds (1) are to be inspected on each truck. The inspector's name, date, time of inspection, truck's unit number, (SMR) service hours and the results of the inspection are to be documented. If any cracks are detected, the steering cylinder must be removed from the truck immediately and a replacement steering cylinder is to be installed that has successfully passed the weld inspection.

When performing this inspection, always follow the proper machine shut down and lock out procedures.

NOTE: All steering cylinders must be inspected for cracks daily unless they have the new rod (EH4440 or EH8325) installed.

Truck Model	Previous Cylinder	Previous Rod	New Cylinder	New Rod
530M	EG0430	EG0046	EJ4663	EH8325
930E	EH7930	ED3850	EH4438	EH4440

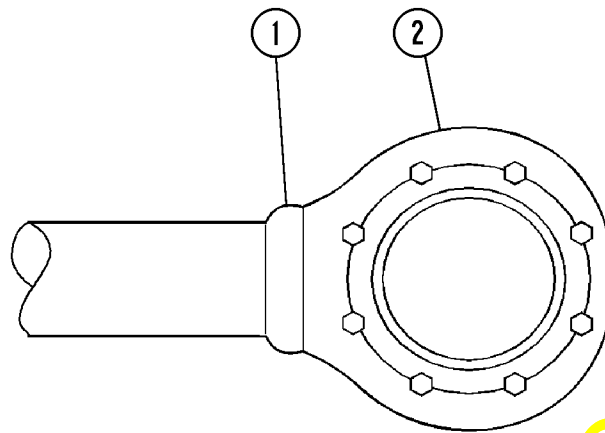


FIGURE 1, PISTON ROD

1. Inspection Area (weld)

2. Piston Rod Structure

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