



MAINTENANCE INSTRUCTION

MODERNIZATION RECOMMENDATION AIR COMPRESSOR WATER PIPING CONVERSION

PURPOSE: To convert low pressure cylinders on WBO model air compressors to the new improved style.

APPLICATION: All WBO model compressors prior to WBO 8112.

DISCUSSION: Since January 1, 1979, all new WBO air compressors have been equipped with improved design low pressure cylinders. The new cylinders will improve draining and reduce the amount of sludge that settles in the cylinder water passages. The sediment removal tubing used since 1970 is no longer needed with the improved flow cylinder.

Customers desiring to convert older model compressors to include the improved flow cylinder must also convert the water inlet piping on the compressor and modify the location of the flange on the water inlet supply line.

**NEW MATERIAL
REQUIRED:**

<u>DESCRIPTION</u>	<u>PART NO.</u>	<u>QUANTITY</u>
Low Pressure Cylinder	9518774	2
Low Pressure Cylinder Gasket	8337946	2
Water Inlet Piping Conversion Kit (Machines with single pass intercooler 8260344)	9537613	1
Water Inlet Piping Conversion Kit (Machines with double pass intercooler 8433084)	9537614	1

**APPROXIMATE
COST:**

The approximate price of new material per locomotive is \$1070.00. This price is for job estimating purposes only. Material will be billed according to prices in effect at time of shipment.

PROCEDURE:

1. To replace low pressure cylinders remove the water supply piping to the cylinders *and remove cylinders.*
2. Apply new cylinders and apply supply piping using proper kit.
3. Relocate flange on water supply pipe from engine by first removing existing threaded flange.
4. Cut off enough inlet piping to match the height of the new supply piping on the compressor (should be approximately 11").
5. Rethread the water supply pipe and re-apply the original flange.