

HOW TO INSTALL ARROW OIL WIPER RINGS

To prevent possible damage to the compressor packing and loss of engine efficiency, careful handling of the packing assembly is essential. By observing a few simple precautions, and following the instructions and/or drawing provided with the operator's manual, proper assembly will be assured.

The three methods in general use for matching numbered packing ring segments are shown below. It is important that all segments be properly matched. **When the rings are installed on the rod, all segment identification markings on all rings must face the pressure.**

Methods of Installing Packing Cases:

Two methods of installation are used. With either method, the packing case and rings should be disassembled and thoroughly cleaned. Parts should be free of nicks, burrs, scratches, etc. and should be laid out in the order in which they are to be assembled.

Method 1

In some installations, the packing case with rings may be bolted into the stuffing box completely assembled and the rod plunged through the case making provision to protect the rings by covering the threads with a sleeve. The entering sleeve should have a tapered end to help center the rings.

Method 2

Some packing cases must be assembled on a piece basis over the rod end. Parts should be laid out in sequence and each installed in its proper order. Refer to the drawing in the engine parts manual.

With the packing assembled in the stuffing box, the flange studs should be tightened as any gasketed joint, applying pressure through opposite studs gradually to obtain even crushing of the gasket. This will prevent cocking of the packing cups and insure their being in a perpendicular plane to the piston rod.

Renewal Ring Installation

Where packing is assembled over the rod, or renewal rings replaced in a case, the following method is used:

1. Refer to parts list drawing and make sure that rings are installed in the proper location.
2. Put garter spring around rod and connect ends.
3. Put each segment under the spring separately, making sure the segment identification markings match and face the pressure.
4. Dowels in the tangent ring should align with the hole in the other ring comprising the packing set.
5. Do not alter any edges on the packing ring. Some edges may be rounded and some must be square.
6. Assemble each component in accordance with the parts list drawing and instructions in the engine operator's manual.

