



## AIR DRYER COMPRESSOR OVERHAUL

### 1. GENERAL

1.01 This specification provides instructions for the return of defective air dryer compressors from Telco's to Western Electric and subsequent shipment to the supplier's repair center.

1.02 All air dryers used in telephone exchanges (central offices) are equipped with Nash Engineering Company compressors; model number HK-10 and HK-15.

### 2. SHIPPING AND RECEIVING

2.01 When an air compressor becomes inefficient requiring overhaul, it shall be removed from the air dryer by Telco personnel and tagged with the serial number and the telephone exchange address from which the compressor was removed.

2.02 Telco's shall ship the compressor to the local Western Electric Service Center.

2.03 The Service Center shall immediately reship F.O.B. to Nash Engineering Company, 97 Progress Parkway, Progress West Industrial Park, Maryland Heights, Missouri, 63043. This is the only authorized repair center.

2.04 On receipt of the compressor the Nash Repair Center will perform one of the following types of repairs with no further authorization on HK-10 and HK-15 compressors:

1. Minimum overhaul includes disassembly, cleaning of parts, replacement of motor bearings, mechanical seal, gaskets, lapping of cone and rotor, assemble and test.
2. Metalizing overhaul includes disassembly, cleaning of parts, replacement of motor bearings, mechanical seal, gaskets, metalizing cone surface, machining or lapping rotor cone bore, assemble and test.
3. Major overhaul of pumps less than two years old which have been exposed to corrosive conditions, includes cleaning of motor, replacement of motor bearings, mechanical seal, gaskets, lobe, rotor, head, assemble and test.

3. RETURN AFTER REPAIR OF COMPRESSOR

- 3.01 The repaired compressor shall be returned to the sending Service Center and immediately be returned to the Telephone Company.
- 3.02 Because of the complexity of repairs, no attempt should be made to disassemble the compressor.