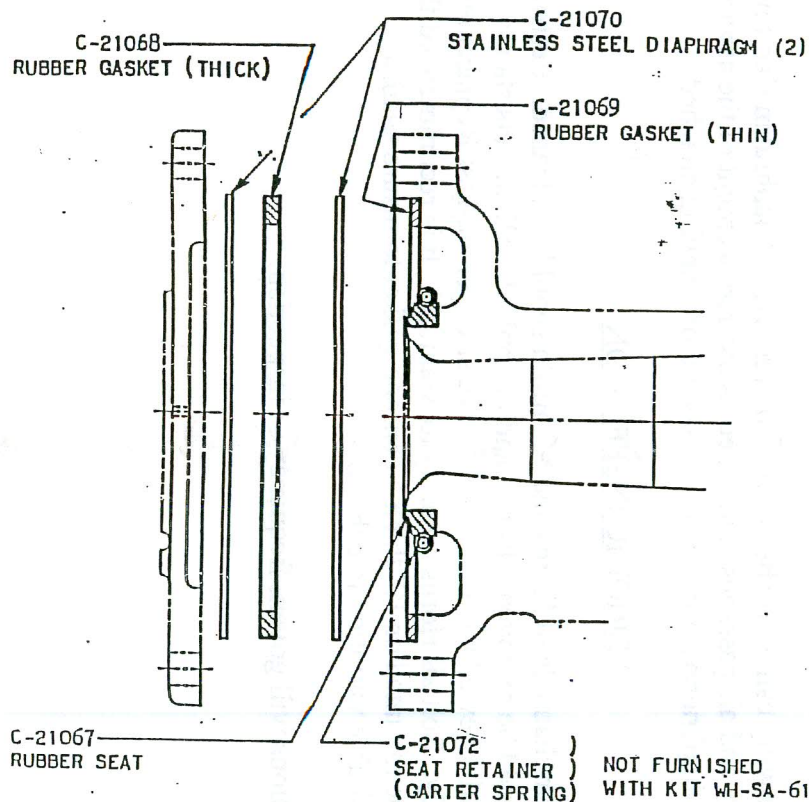


**ASSEMBLY OF PARTS FROM DIAPHRAGM  
SUB-ASSEMBLY KIT WH-SA-61 IN HORN**

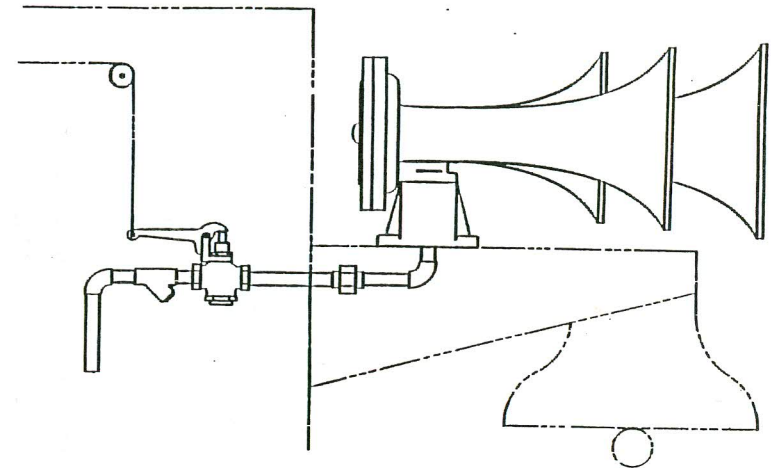


**NOTE:**

WHEN REPLACING ANY ONE PART OF THE DIAPHRAGM ASSEMBLY - DISCARD ALL OTHER PARTS OF THIS ASSEMBLY AND REPLACE WITH THE NEW PARTS CONTAINED IN THE DIAPHRAGM SUB-ASSEMBLY KIT WH-SA-61.

TO INSURE THE PROPER FUNCTIONING OF THE HORN, IT IS IMPORTANT THAT THE RUBBER SEAT AND THE TWO (2) RUBBER GASKETS BE LOCATED IN THE HORN ASSEMBLY AS SHOWN.

# **P TYPE**



## **INSTALLATION**

MOUNT WHISTLE ON BELL BRACKET OR HIGH ON CAB ROOF CLEAR OF OBSTRUCTION AND PREFERABLY WITH ALL BELLS FORWARD

CONNECT TO MAIN RESERVOIR PRESSURE WITH NOT LESS THAN 5/8 I.D. COPPER TUBING USING AS FEW ELBOWS AS POSSIBLE

OPERATING VALVE MUST BE CLOSE TO WHISTLE TO OBTAIN SHARP, INSTANT, CONCISE BLASTS

BLOW LINE CLEAR OF FOREIGN MATERIAL BEFORE ATTACHING WHISTLE TO MOUNTING PAD

BE SURE TO REMOVE PLASTIC CLOSURE FROM INLET HOLE IN BASE IMMEDIATELY BEFORE ATTACHING WHISTLE

USE EAR PROTECTORS WHEN TESTING WHISTLE

WHEN WHISTLE BLOWN, PRESSURE DROP SHOULD NOT EXCEED 15 P.S.I. BELOW THAT OF MAIN RESERVOIR PRESSURE

## **INSTALLATION AND MAINTENANCE**

**NATHAN MANUFACTURING DIVISION**

P.O. BOX 96 1102 WINDHAM RD. S. WINDHAM CT 06226  
TEL (860) 423-4574 FAX (860) 450-0519

## NATHAN MANUFACTURING DIVISION

### TYPE "P" AIRCHIME WHISTLE

### FIELD MAINTENANCE INFORMATION

#### GENERAL

Simple construction of Nathan Type "P" Airchime Whistles provides greater advantage with lower maintenance costs. The sturdy, longwearing diaphragm is mounted entirely in Neoprene, which reduces wear and breakage. All renewable parts are made in one size to fit any horn and are obtainable in kit form. Close machine tolerances provide all the adjustment required.

#### TRIP INSPECTION

Normal tests should be made at trip inspections to insure that all Horns are blowing.

A Horn not blowing can easily be checked by removing Diaphragm Cap for inspection of assembly and air passages, and if necessary, replacement of the assembly should be made from diaphragm kit in manner as shown on drawing attached.

#### PERIODIC INSPECTION

Periodically, air channels of Horns and Manifold should be cleaned. Restrictors in base of Whistle should be removed, cleaned and re-applied. All gaskets should be examined for leaks and renewed when necessary. We strongly suggest Replacement of Diaphragms biannually. Bolt all Horns securely to Manifold. It is recommended that all Whistle Assemblies be mounted on ½" thick Neoprene gasket to insure against transmission of undesirable vibration to cab roof.

Service conditions will govern frequency of inspection.