PREVENTATIVE MAINTENANCE VACUUM PUMP SEAL KIT REPLACEMENT FOR 110 V PHOENIX C4 AND C1 AND MINI SUPPLIED WITH GAST MODEL SAA-V109-NQ VACUUM PUMP – COMPLETE EVERY 1-2 YEARS OF SERVICE TO MAINTAIN MAXIMUM PERFORMANCE OF UNIT.
ITEMS REQUIRED

1. MAINTENANCE KIT PN PHX-C4KIT
   INCLUDES
   QTY 2 K757 SEAL KITS
   QTY 1 FS0525 BREATHER

2. 7/16 SOCKET & WRENCH

3. 5/32" HEX WRENCH

4. OPTIONAL - GAST SOA/SAA/LOA/LAA VACUUM PUMP MAINTENANCE INSTRUCTIONS. PROVIDED WITH PHOENIX OPERATIONS MANUAL OR CAN BE DOWNLOADED FROM www.gastmfg.com
STEP 1

REMOVE QTY 6 – 7/16” HEAD HOLD DOWN BOLTS USING SOCKET WRENCH
STEP 2

REMOVE HEAD AND DISPOSE OF USED RED HEAD GASKETS
STEP 3

REMOVE AND DISPOSE OF BOTH USED VALVE PLATE ASSEMBLIES
STEP 4

REMOVE CYLINDERS BUT DO NOT DISPOSE. CLEAN ANY BUILT UP RESIDUE FROM INSIDE OF CYLINDERS USING NON PETROLEUM BASED CLEANER OR A SOFT CLOTH. REPLACE RED ORING ON TOP OF CYLINDERS WITH RED ORINGS SUPPLIED IN K757 KIT AND THEN SET CYLINDER ASIDE TO BE REINSTALLED. MAKE SURE SHIMS LOCATED UNDER CYLINDERS REMAIN IN PLACE.
STEP 5

REMOVE RETAINER PLATE SCREWS USING HEX WRENCH AND RETAINER PLATE. REPLACE CUPS UNDER RETAINER PLATES WITH NEW CUPS SUPPLIED IN KITS.
STEP 6 – FOLLOW EXACTLY

PLACE CYLINDERS BACK IN POSITION ON PUMP BEFORE REINSTALLING RETAINER PLATES WITH NEW CUPS. ONCE CYLINDERS ARE BACK IN POSITION PUSH RETAINER PLATES DOWN INTO THEM AND MAKE SURE HEX BOLT HOLES ARE ALIGNED WITH HOLES IN CONNECTING ROD ASSEMBLIES. BOLT RETAINER PLATES BACK ONTO RETAINER RODS USING HEX NUTS – TORQUE VALUE 35”-LBS
STEP 7

INSTALL NEW VALVE PLATE ASSEMBLIES SUPPLIED IN KITS EXACTLY AS SHOWN IN PHOTO ABOVE. REPLACE BOTH RED HEAD GASKETS WITH NEW GASKETS SUPPLIED IN KITS.
STEP 8

BOLT DOWN HEAD ASSEMBLY JUST AS SHOWN IN PHOTO ABOVE USING QTY 6 7/16” BOLTS. BOLT DOWN IN CRISS CROSS PATTERN TORQUE TO 80” LBS.
C4 BREATHER

C1 AND MINI BREATHER

STEP 9

REPLACE BREATHER FILTER ON PHOENIX 6 MONTHS - YEAR