NO. 62B (MODIFICATION W4) MGM TANK GAUGE

INSTRUCTIONS FOR REPACKING WITH TANK UNDER PRESSURE

CAUTION: DO NOT STAND OR LEAN OVER GAUGE AT ANY TIME. DO NOT ATTEMPT TO REPACK A GAUGE WHEN TANK IS UNDER VACUUM AND AN AIR-COMMODITY MIX-TURE IS NOT PERMISSIBLE.

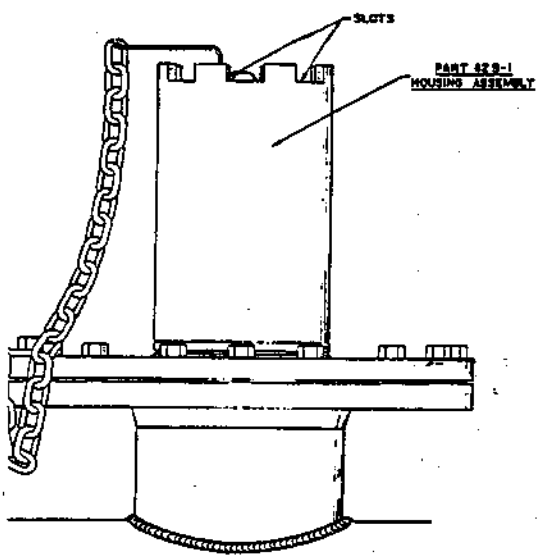
NOTE: IN ORDER TO REPLACE PACKING WHILE TANK IS UNDER PRESSURE, THE PACKING MUST BE PART 62B-12 (MODIFICATION 4) WHICH IS THE SPLIT RING PACKING.

The No. 62B (Modification W4) MGM Tank Gauge is designed so that it can be repacked while the tank is under pressure when the split ring packing is used. Part 62B-15 Repack Gasket is the only part which may prevent repacking under pressure when it is not working properly.

TOOLS REQUIRED TO REPACK THE 62B (MOD. W4) MGM TANK GAUGE

1. A 1 1/2 to 2 foot long bar to fit into the 1 1/2 inch slots.
2. One CT-4 Tool for removing 62B (Mod. 4) Packing.
3. One adjustable wrench to fit 1 1/4 to 2 inch hexagon material.
4. Sand paper.
5. Clean cloth.

THIS PROCEDURE REQUIRES TWO PERSONS TO PERFORM.



(Dia. A)

STEP 1:
DO NOT STAND DIRECTLY OVER THE GAUGE AT ANY TIME. Place bar into slots in housing and turn counterclockwise to remove the housing and expose the tank gauge. (See Diagram A)

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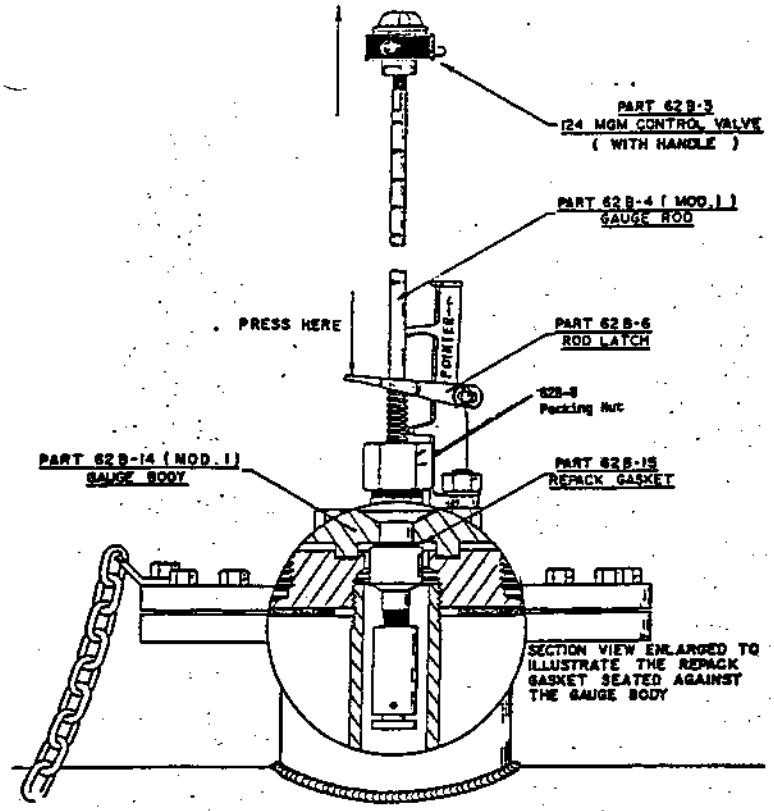
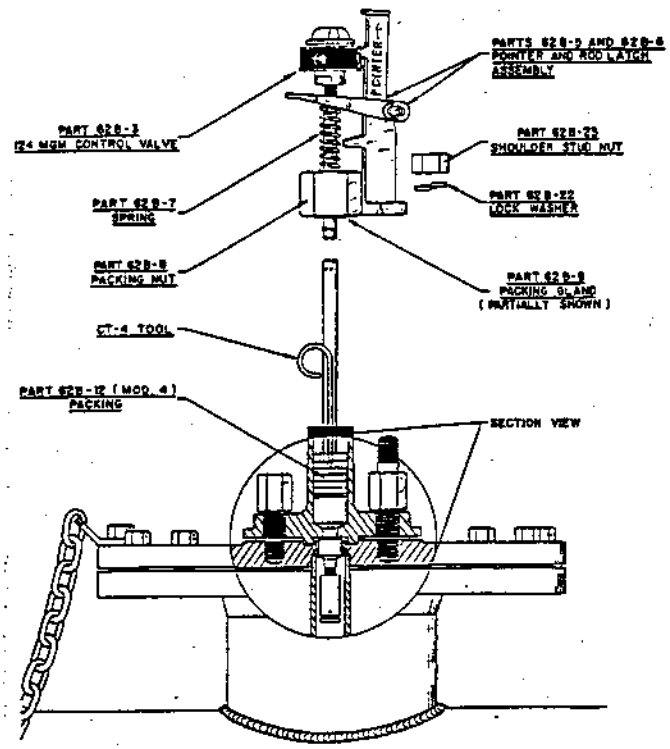


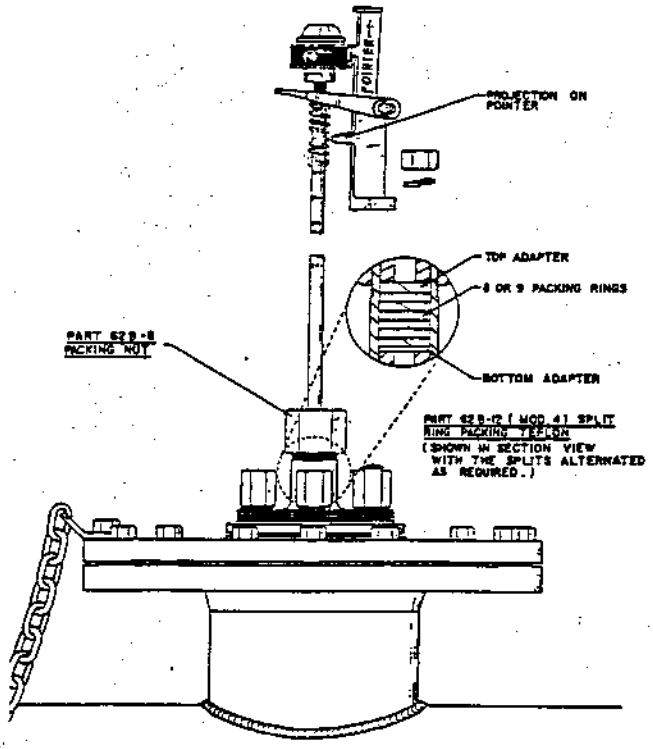
(Dia. B)

STEP 2:
REMEMBERING NOT TO STAND OR LEAN OVER THE GAUGE AT ANY TIME, hold onto Part 62B-3 Control Valve, loosen Part 62B-8 Packing Nut one or two turns, press down on handle end of Part 62B-6 Rod Latch, then raise Part 62B-4 Gauge Rod as high as possible. This will seat Part 62B-15 Repack Gasket against the bottom of all modifications of Part 62B-14 Body. One person must now hold the gauge rod upward until the gauge has been repacked. (See Diagram B)



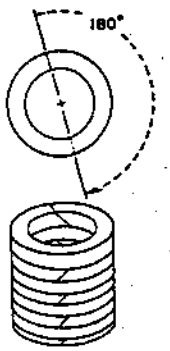
(Dia. C)

STEP 3:
With an adjustable wrench, remove Part 62B-23 Shoulder Stud Nut along with Part 62B-22 Lockwasher. Now lift the Pointer and Rod Latch Assembly up against the control valve and remove the packing nut from body by turning counterclockwise. If there are gas vapors coming from around the packing, try to seat the repack gasket by holding more tension upward on the gauge rod. If gas vapors cannot be sealed off, a temporary packing can be made by using one bottom adapter, one or two packing rings, and one top adapter all on top of the old packing and reassembling the tank gauge. After the tank has been depressurized, a new repack gasket can then be installed. If gas vapors do not escape from around the packing, remove the old packing with CT-4 Tool and clean packing chamber with sandpaper and a clean cloth. (See Diagram C)

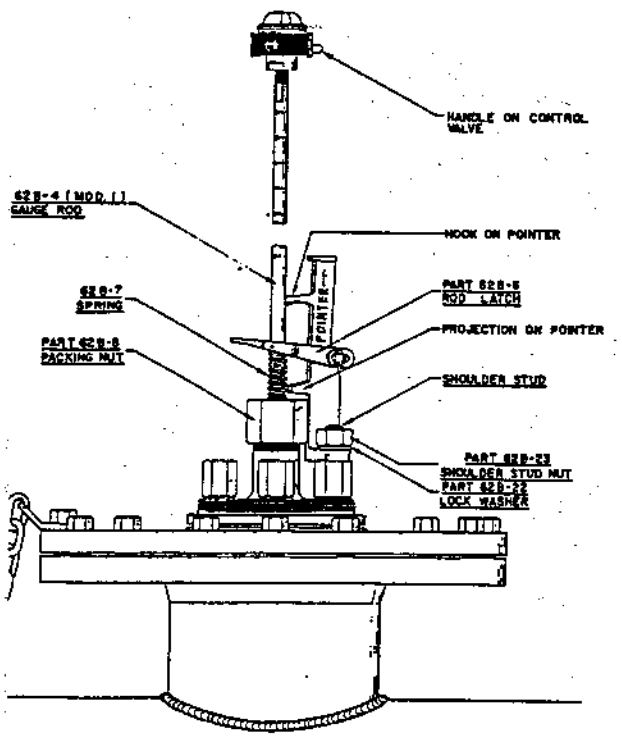


(Dia. D)

STEP 4:
Spread bottom adapter apart and slip onto gauge rod with flat side down. Spread and slip one set of packing rings over the gauge rod, alternating one at a time 180° apart, with concave side down. Spread the top adapter on gauge rod with flat side up. (REMEMBER THE SPLITS MUST BE CONSECUTIVELY OPPOSITE AS IN DIAGRAM D-1. Move Part 628-9 Packing Gland down and push packing into packing chamber. Move packing nut in place and tighten clockwise. (PACKING NUT MUST BE BELOW THE PROJECTION ON THE POINTER). (See Diagram D)



(DIA. D-1)



(DIA. E)

STEP 5:
Drop Part 628-7 Spring down on Packing Nut and slide Pointer Assembly down to Shoulder Stud. Place Part 628-22 Lockwasher on Shoulder Stud and turn Part 628-23 Shoulder Stud Nut onto Shoulder Stud making sure that the projection on the Pointer will be above the Packing Nut. At this time, make sure the gauge rod is operable. If Packing is binding the gauge rod, remove packing nut and packing gland while holding upward tension against the repack gasket. Remove one or more of the packing rings and replace packing nut and packing gland. This should allow the gauge rod to travel freely. The packing nut should be tightened against the packing only enough to prevent leakage. Adjust pointer to where projection on side of pointer is slightly over packing nut and housing threads will clear. Adjust control valve to clear housing. Tighten shoulder stud nut enough to hold pointer in this position. Push gauge rod down until the handle on the control valve will go under the hook on the pointer. While pushing down on the rod latch, turn gauge rod to position control valve handle under the hook on the pointer and lift up to fit against the hook. Replace body to housing and tighten. (See Diagram E.)