

# HOW TO REBUILD A GLASS-TRAC LEVEL GAGE



## DISASSEMBLY

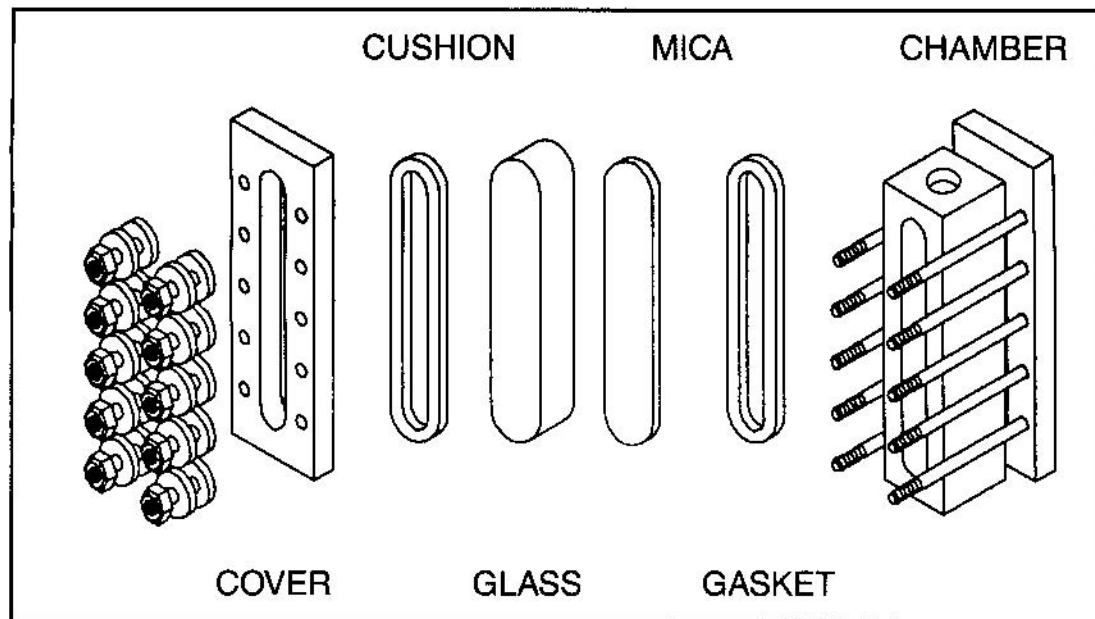
1. Isolate gage from service, relieve internal pressure and drain.
2. Loosen end bolts first and then work towards center alternating from top to bottom.
3. Remove glass, gaskets, cushions and shields from assembly. Clean chamber and cover seats of all gasket material.

## REASSEMBLY

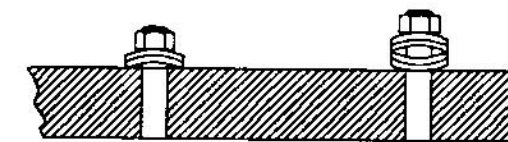
1. Inspect gage chamber and covers. All burrs and gasket material should be removed. Gouged or scarred seats should be refinished in a milling machine.

### NEVER REUSE GLASS, GASKETS, MICA SHIELDS OR CUSHIONS!

2. Place gasket in the chamber seat and cushion in the cover seat. Do **NOT** lubricate gasket or cushion. Locate the glass centrally in the chamber seat and cover to avoid glass to metal contact at the ends or sides. This is the best done with the gage horizontal on a bench. If the gage must be reassembled in a vertical position, use a small strip of gasket material as a spacer at each end of the glass. This will prevent any glass to metal contact.
3. Clean nut and bolt threads and apply light oil to threads and the nut face. For gages operating at more than 150° F, use a high temperature resistant lubricant.
4. Working from the middle set, tighten nuts finger tight alternating outward. Next, tighten with a torque wrench in the same sequence in 5 foot/pound stages.
5. Be aware that new gaskets often become permanently compressed after a short time in service particularly if the gage operates at an elevated temperature. This could result in slight leaks or apparent loosening of bolts. If the gage has not been provided with spring washers, isolate and relieve the gage and retorque to the original value after the gage has been in hot operation for thirty minutes.
6. For additional maintenance tips, please refer to the Glass-Trac IOM manual.



## STACKING ORDER FOR BELLEVILLE WASHERS

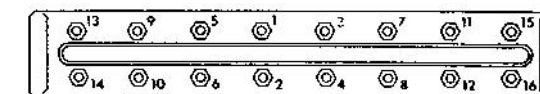


REFLEX  
WASHER STACK  
UNDER EACH  
STUD NUT OR  
U-BOLT

TRANSPARENT  
WASHER STACK  
UNDER EACH  
BOLT NUT

## SEQUENCE FOR TIGHTENING COVER BOLTS

(Numbers indicate tightening sequence)



## GASKETS

ALL SERIES L, M, H, & LC GASKETS AND CUSHIONS ARE THE SAME WIDTH.

## PROCESS GAGE TORQUE DATA REFLEX AND TRANSPARENT GAGES

Gage Series	Torque	
	FT./LBS. (Tighten in 4-5 ft./lb. increments)	NM
RL, TL	20	27
RM, TM	32	43
RH, TH	40	54

TORQUE VALUES ARE THE SAME FOR ALL GASKET MATERIALS



### WARRANTY

**QUEST-TEC WILL ONLY WARRANT THE USE OF QUEST-TEC REPLACEMENT PARTS OBTAINED FROM THE REPRESENTATIVE OR MANUFACTURING SERVICE CENTERS LISTED BELOW. THE USE OF NON-AUTHORIZED PARTS RESULT IN A GAGE NOT TESTED OR RATED BY THE QUEST-TEC ENGINEERING GROUP. CATALOG RATINGS APPLY ONLY TO QUEST-TEC GAGES CONTAINING AUTHENTIC REPAIR PARTS.**

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Contact your Quest-Tec Solutions Representative: