

CBW L-SEAL REPLACEMENT

APPLICABILITY: L-seals on both the load and unload ends of all CBW modules.

SCOPE: Procedure for removing broken or worn L-seals and installing new seals.

GENERAL INFORMATION

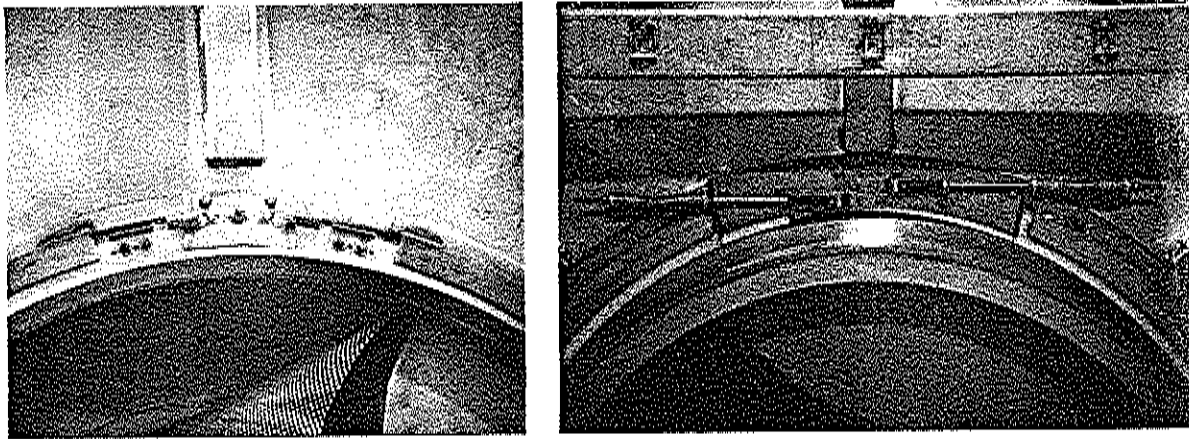
Broken L-seals run the risk of causing more extended damage if not replaced. If the tension seal bracket is not in place, the seal may turn freely with the cylinder. This procedure is easier to complete if the machine is empty.

REPLACING A WORN OR BROKEN L-SEAL

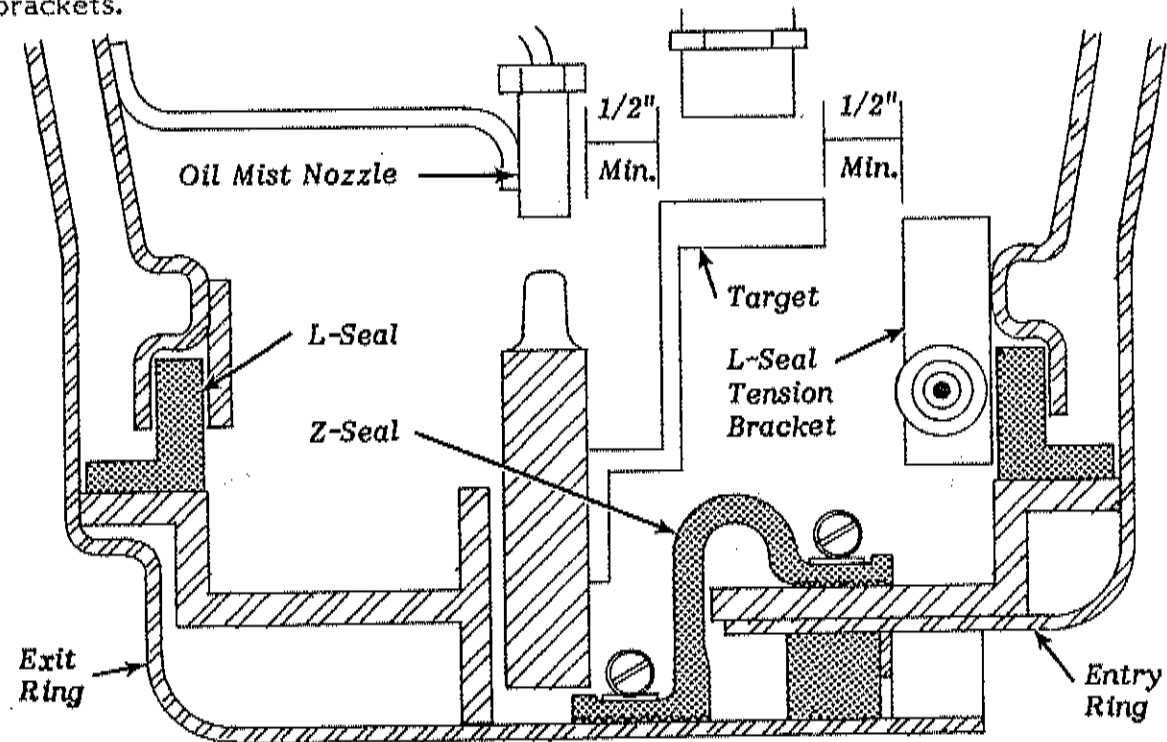
1. Disconnect power to machine.
2. Remove the tension seal bracket.
3. Place a jack under the cylinder end containing the L-seal to be replaced. **CAUTION: Be sure not to interfere with the flat seal (where applicable) when positioning jack. It can cause severe damage to the seal.**
4. Attach a rope or cable to each end of the L-seal being removed. This is so, if the seal should break during removal, the broken section will not be stuck in the track. If a piece of the seal being removed becomes lodged in the track, the insertion of the new seal can be used to push the piece out.
5. Because of wear on the L-seal and an accumulation of debris in the track, the seal may not easily slide out of the track.  
  
As you pull on the seal, you may encounter binding. At this point, jack the cylinder while keeping tension on the seal. Jack only until the binding ceases and the seal can be pulled out.
6. Use high pressure water or steam in an attempt to clear track of debris before inserting the new seal.
7. The rope or cable that was attached to the back end of the seal will be threaded through the track. This is now used to guide the new seal as it is fed into the track.
8. Use the jack the same to insert the new seal as you did to remove the worn seal. Raise or lower the cylinder as needed to facilitate easy insertion of the new seal.
9. Reinstall the tension seal brackets and adjust the tension rods to achieve a spring length of 5 inches. There must be a total clearance of .5" between the spacers and the bushing per side. DO NOT overtighten.
10. Be sure to remove the jack before attempting to start or run the machine.
11. Power up machine.

**PROXIMITY SWITCH TARGET MODIFICATION**

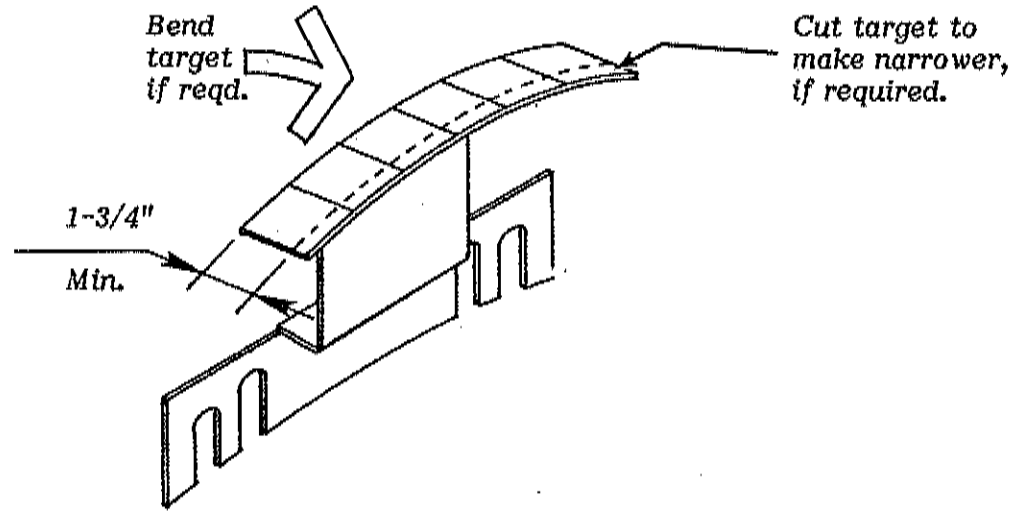
If it becomes necessary to replace L seals and L seal tension brackets on the CBW, it is important to check the clearance between the L seal brackets and the proximity switch targets on the second and last modules. This is especially true if you are replacing one of the old type tension brackets with the new type (see figures below). If your machine originally had old type brackets, it is possible that the proximity switch targets are too wide to safely clear the new brackets.

**OLD TYPE TENSION BRACKET****NEW TYPE TENSION BRACKET**

The cross sectional view below, depicts the clearances required between the target and the oil mist nozzles and that required between the target and the L seal tension brackets.

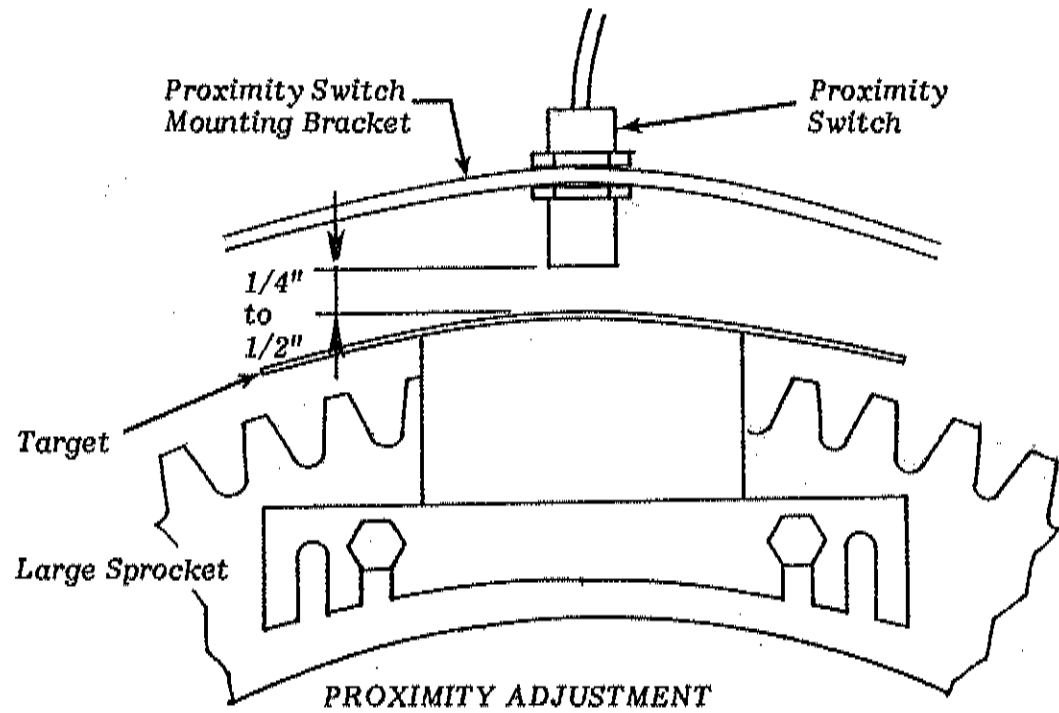


To achieve the clearances shown above, cut or bend the target as shown in the figure below.



TARGET MODIFICATIONS

Once these clearances have been achieved, check and if necessary, adjust the distance of the proximity switch from the plane of the target to within 1/4\" to 1/2\", as shown.



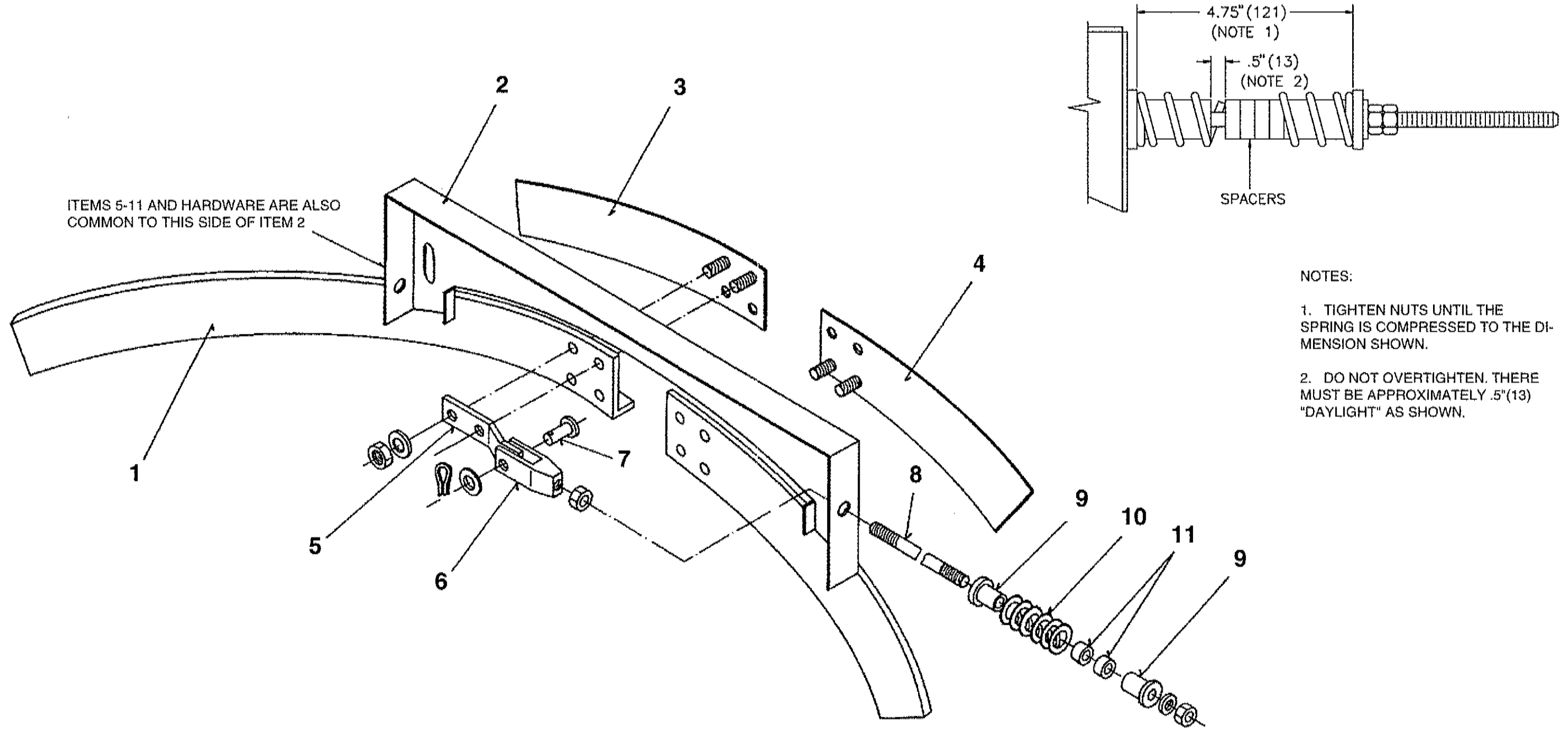


DRAWING

(See other page for parts list,  
if applicable.)

TENSION SEAL ASSEMBLY 76028 & 76039CBW®

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NOTES:

1. TIGHTEN NUTS UNTIL THE SPRING IS COMPRESSED TO THE DIMENSION SHOWN.
2. DO NOT OVERTIGHTEN. THERE MUST BE APPROXIMATELY .5"(.13) "DAYLIGHT" AS SHOWN.



PARTS LIST

(See other page for drawing.)

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ITEM	PART NUMBER	DESCRIPTION	HOW PART IS USED IN ASSEMBLY (Only if pertinent)
00A	G62 00400H	89526D INST SPLIT SEAL-ENTRY&EXIT	REFERENCE ASSEMBLY
001	X6 20615	USE A62PC002 (CBW LSEAL W/CARTON)	
002	W6 20639	88171C*L-SEAL CVR IN-LIP EXIT WLMT	
003	W6 20638	93316B*PLT=REINF-SPLT-SL-LG-LF-WLMT	
004	W6 20637	93322B*PLT=REINF-SPLT-SL-LG-RT-WLMT	
005	06 20416A	86447B BRKT YOKE CONN.SPLIT SEAL	
006	17A004	01Z YOKE1/4-28 FIBERGLSS/SS INSERT	
007	17A004A	CLEVISPIN 1/4*X3/4"DRILLED SS18-8	
008	06 20416C	93101B ROD=SPRING TENSION SPLITSEAL	
009	06 20416D	82447B BUSHING=SPRING ALIGNMENT	
010	06 20162B	84497B SPRING COMP.SPLIT SEAL TENS	
011	27B17006HN	01Z SPACER.281IDX.613ODX.5L ***** END OF PARTS LIST *****	