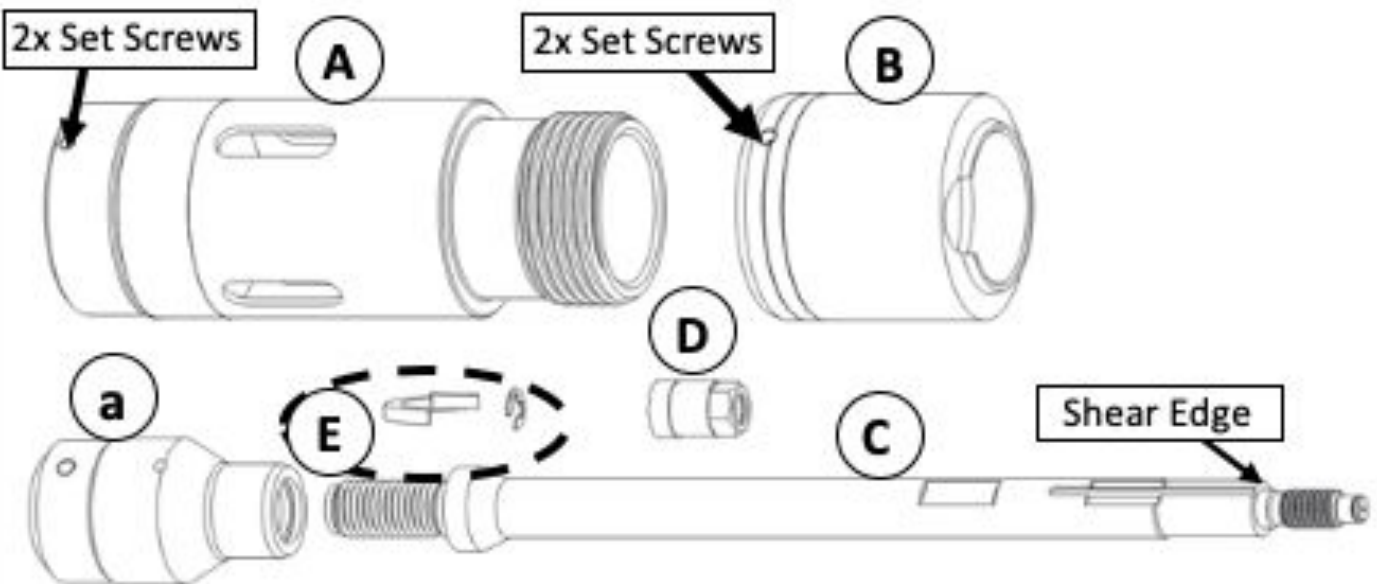


# FracXion Micro Plug Installation Instructions



	Set Screw Quantity and Size			
	Set Screw Location	Qty	5-1/2	4-1/2
	Setting Sleeve (A)	2	$\frac{5}{16}$ -18 X $\frac{3}{8}$	$\frac{5}{16}$ -18 X $\frac{5}{16}$
	Gauge Ring (B)	2	$\frac{3}{8}$ -16 X $\frac{7}{16}$	$\frac{1}{4}$ -20 X $\frac{7}{16}$
	Cross-Thread Adapter (a)	1	$\frac{3}{8}$ -16 X $\frac{7}{16}$	

## Inspection Checkpoints Prior to Assembly

### A: Setting Sleeve and a: Cross-Thread Adapter

- Verify set screws are installed and all threads are in working order

### B: Gauge Ring

- Verify two grooves on OD are visible
- If worn verify OD is  $4.395 \pm .005$  for 5-1/2 and  $3.515 \pm .005$  for 4-1/2

### C: Mandrel

- Check threads for damage Check shearing edge for damage

### D: Threaded Stopper

- Check threads for *damage*

### E: Locking Components

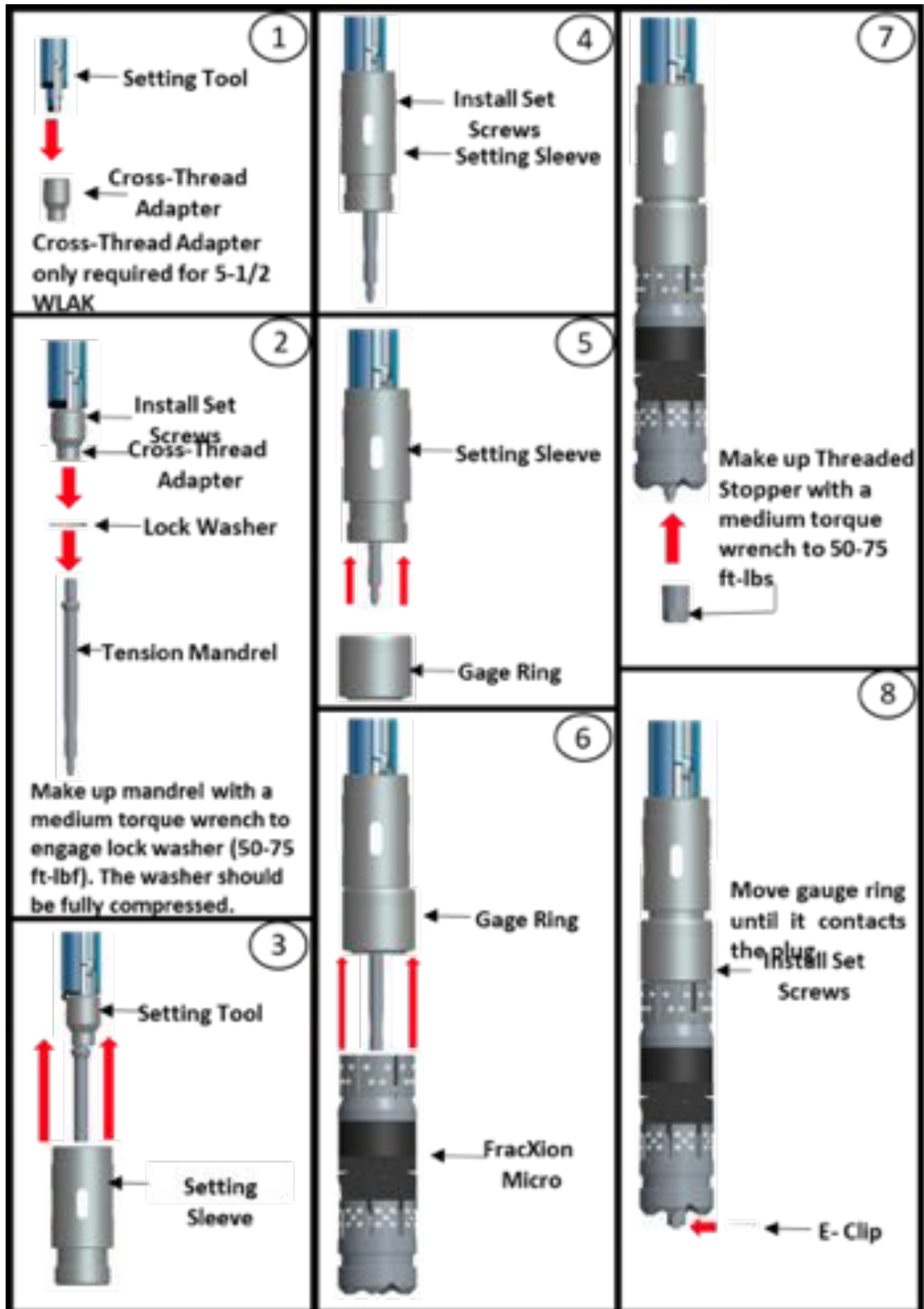
- Ensure lock washer is functional
- Inspect E-clip for damage

If using "Ball in Place" method, the ball should be placed in step 5.

Tighten all set screws after assembly is complete.

Disassemble WLAK completely between runs.

# FracXion Micro Plug Installation Instructions



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## RIH Procedure Recommendations

- After the frac plug is made up to setting tool, avoid tool string weight from being side stacked on plug. **USE A VICE DOLLY DO NOT PLACE STRAP ACROSS THE PLUG**
- **PERFORM A DRIFT RUN.** A drift run is recommended prior to running the first plug to ensure no obstructions are in the well
- The maximum RIH speed is determined by fluid bypass; please refer to your fluid bypass chart for this well. Wireline should monitor tension and adjust pump rate accordingly to prevent excessive fluid bypass
- If a drift run has not been performed, the maximum recommended RIH speed for the **first** plug is 350 fpm (please reference bypass chart for recommended flow rate)
- Max recommended pump rate for ball is **20 BPM**
- **Ball landing rates** to seat should not exceed **15 bpm** when drop ball method is used

## Contingencies

- In the event of any issues, contact your SLB completions representative.

## Do's

✓ **CONFIRM PLUG IS APPROPRIATE AND QUALIFIED FOR THE CASING WEIGHT AND ID OF THE WELL**

✓ **INSPECT THE PLUG FOR DAMAGE PRIOR TO ASSEMBLY.**

If the plug is damaged, contact **plugreturn@slb.com** for instructions on getting a replacement plug.

✓ **REPLACE LOCK WASHER AND E-CLIP FOR EVERY RUN**

✓ **TIGHTEN ALL SET SCREWS**

✓ **USE APPROPRIATE PLUG DOLLY**

No Tool String Weight or Mechanical Apparatus should be put directly onto the plug or mandrel.

✓ **INSPECT THE PLUG FOR DAMAGE PRIOR TO RUNNING IN HOLE.**

✓ **FOLLOW RECCOMENDED RIH SPEEDS AND PUMP RATES**

Reference appropriate chart.

## Don'ts

✗ **DO NOT USE A WRENCH TO TIGHTEN THE GAUGE RING**

HAND TIGHTEN until the gauge ring touches the upper slips (**DO NOT TORQUE**)

✗ **DO NOT EXCEED 15 BPM WHEN LANDING BALL ON PLUG**