

The “T-2” On/Off Tool is a high pressure, left hand release, tubing disconnect device. The T-2 is designed with two basic components; the Overshot, and the Slick Joint (also known as a stinger or seal nipple).



“T-2” ON/OFF TOOL

Application

Applications for the “T-2” On/Off Tool include testing, treating, production, completion, and other remedial operations. It is used in operation that require tubing disconnect and re-engagement without disturbing the packer.

The Overshot is designed with a left hand J-slot configuration and has a washover shoe which allows cutting through debris. The two seals, which fit over the nose of the Slick Joint, are located in the top sub of the Overshot.

The Slick Joint screws directly into the packer and contains the locking profile, which may be any of a number of sizes and styles.

“T-2” ON/OFF Tool Features and Benefits

- 10,000 psi working pressure differential rating.
- Left-hand release; Auto-on
- Optional Right-hand release.
- Premium tubing connections available upon request.
- Seal nipples available with various profiles.
- Premium seals can be used to improve performance.
- Bonded seal allow multiple disconnects.

“T-2” ON/OFF Specification Guide

		Availability				
		Casing OD				
in	4 - 1/2"	5 - 1/2"	7"			
mm	114.30	139.70	177.80			
		Tubing OD				
in	2-3/8"	2-3/8"	2-7/8"	2-3/8"	2-7/8"	3-1/2"
mm	60.33	60.34	73.03	60.34	73.03	88.90

On/Off Tool Product No.574 (Overshot), 571, 572 (Seal Nipple)

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APPLICATIONS:

Designed for production, treating, or testing where it is desirable to isolate a lower zone or disconnect the tubing without disturbing the packer.

FEATURES:

- Standard left-hand release.
- Bonded seals allow for multiple disconnects.
- Can be pinned in shear up or shear down position.
- Washover shoe allows for cutting of debris
- Many various nipple profiles available

TO DISENGAGE THE TUBING:

Slack off the tubing weight, rotate tubing ¼ turn to the left and pick up.

TO RE-ENGAGE THE TUBING:

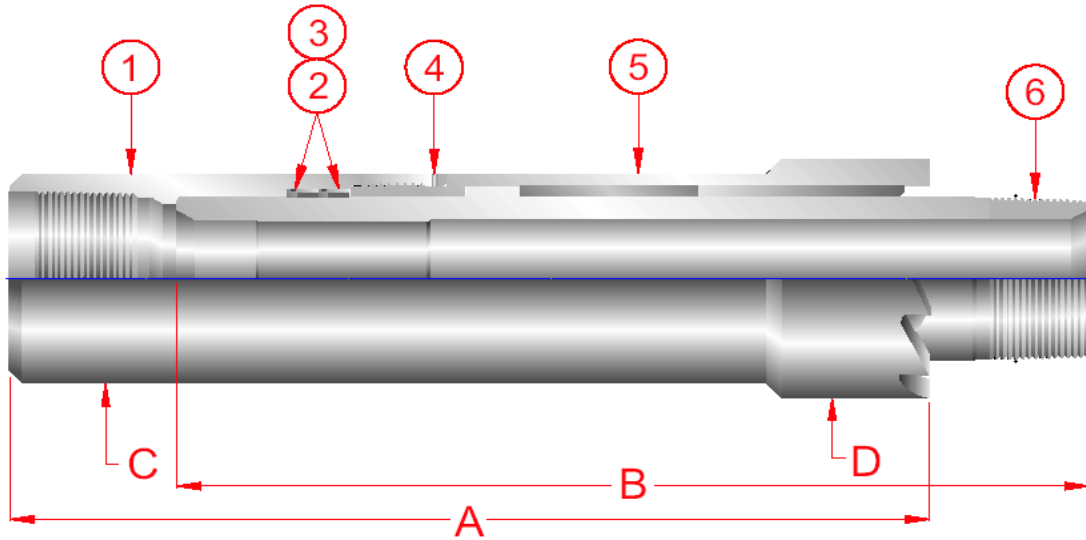
Simply lower the tubing and the tool will automatically re-engage.

DISASSEMBLY:

1. Remove the Slick Joint from the J-latch by ensuring Overshot is ¼” turn to the left of the engaged position and then withdraw Slick Joint.
2. Remove set screws from Top Sub.
3. Place the top sub in a vise, and unthread J-latch sub with pipe wrench.
4. Remove the seal assemblies from the top sub by placing the Top Sub on a flat surface with the EUE Box facing up. Insert a long drift pin punch, tap down on the exposed steel shouldered edge of first the lower seal and then the upper seal, rotating around each seal until they each fall out. Be careful to not tap so hard as to damage the seals or Overshot.

ASSEMBLY:

1. **Set top sub on bench top, with EUE end down, touching bench.**
2. **Press lightly greased new seal assemblies with o-rings installed, fully into the top sub.**
3. Place top sub into a vise. Apply thread grease onto pin thread of latch sub and thread into the top sub.
4. Tighten J-latch sub into top sub and then screw in the retention set screws. Remove from vise.
5. Place Slick Joint, EUE end down, onto a hard but non marring surface.
6. Place J-latch of overshot over the sealing surface of the stinger.
7. Lift both the stinger and overshot up together and bring down forcefully, banging the pin connection down onto the hard surface, repeating until the Slick Joint is fully inserted into the overshot. **GRIP CAREFULLY SO AS NOT TO HURT YOURSELF HERE!**
8. Screw in brass shear pins if required.



Component Listing			
Item No.	Description	Quantity	Material
1	Top Sub	1	4140
2	Seal Assembly	2	HSN/Nitrile*/SS
3	O-Ring	2	Viton
4	Set Screws	3	Steel
5	J-Latch Body	1	4140
6	Slick Joint	1	4140

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