



# CT Shoot And Plug System

**TC-043-3125-110**

**MAN-TC-043-110 (R02)**

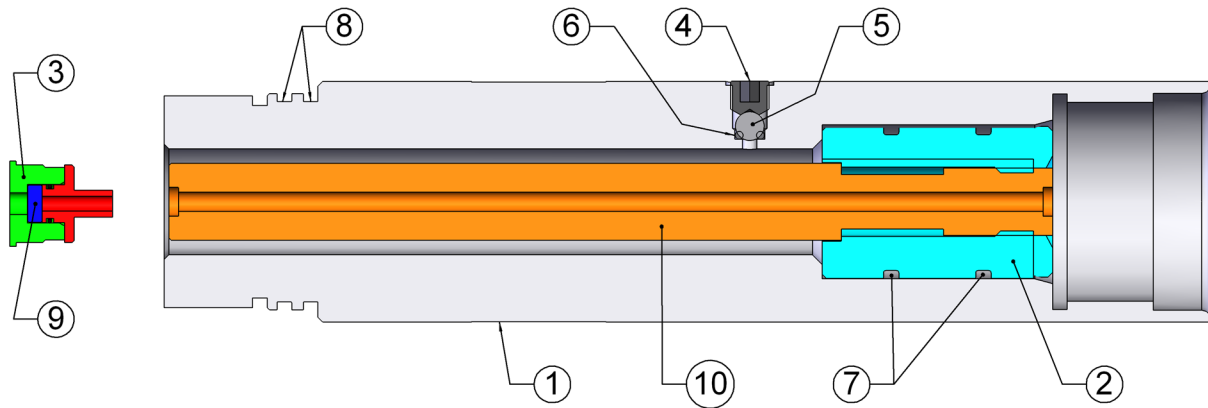
## OWEN OIL TOOLS

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**Warning:** use of owen equipment contrary to manufacturer's specifications or operating instructions may result in property damage, serious injury or fatality. If you are not trained in the handling and use of explosive devices, do not attempt to use or assemble any owen perforating systems or owen firing devices.

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ITEM NO	PART NUMBER	DESCRIPTION	QTY
1	TC-043-0101-000	TC Housing W/Bleed-off Port	1
2*	TC-043-0002-000	Support Block, 6-Min. TD 3.125"	1
3*	TC-043-0003-000	Igniter Support Assembly	1
4*	PF-001-025F-044S	Set Screw, Cup Point, Steel, 1/4-20X7/16	1
5*	ST-040-0375-000	Ball Bearing	1
6*	OOO-V569-106	O-ring, V-90	1
7*	OOO-V569-224	O-ring, V-90	2
8*	OOO-V569-230	O-ring, V-90	2
9**	2-350220-1	Igniter (explosive component)	1
10**	51-8200-4	6-Min. TD Fuse (sold separately)	1
	2-450060-1	6-Min. CLCPTD Fuse (sold separately)	1
**	TC-043-3125-499	Redress Kit, set up for HT only	--
**	TC-043-0006-000	Fuse Installation Tool, 3.125" TD	--
**	TC-043-0014-000	Fuse Removal Tool, 3.125" TD	--

\* Denotes parts that are in the redress kit, only HT version available.

\*\* Denotes items that are sold separately.



**Warning:** *The assembly of this tool requires the handling of Explosive Components. The assembly can only be done by personnel trained in the handling of explosives. All safety precautions must be adhered to and observed!*



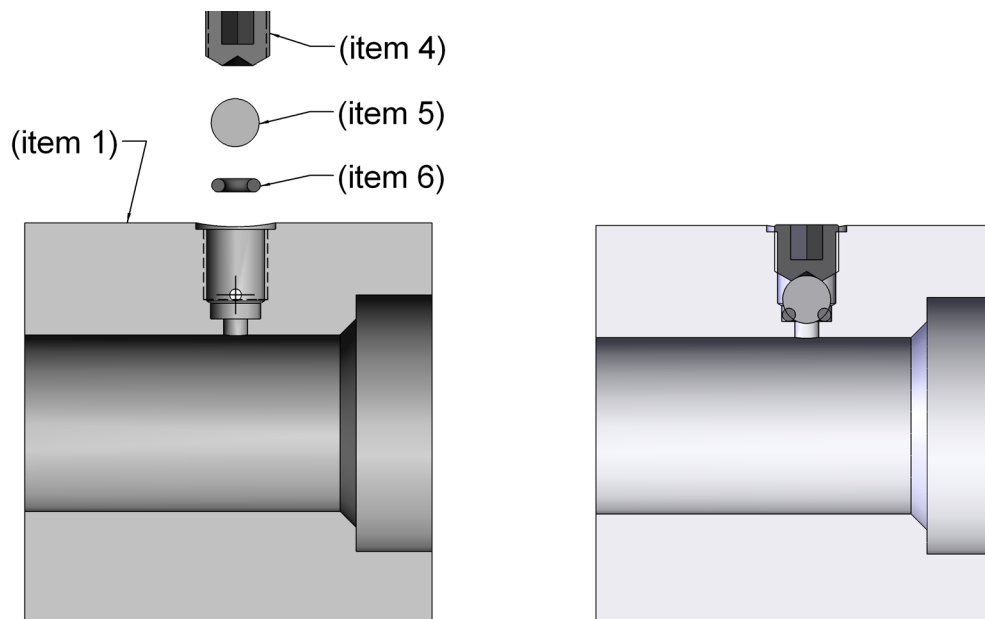
**Note:** *Check all items against the parts list to be sure of having the correct parts and quantities.*



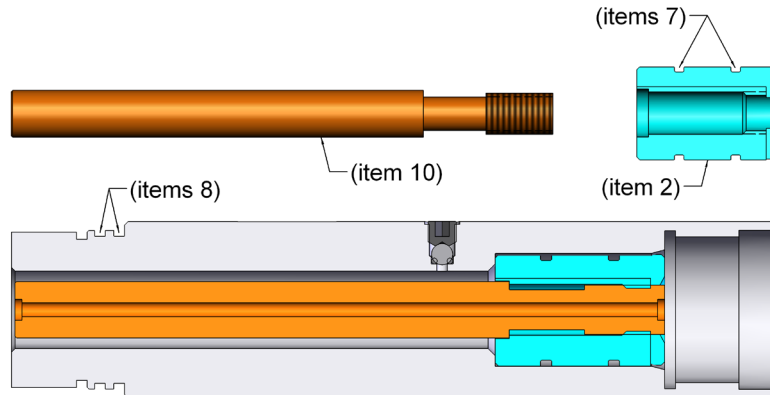
**Note:** *Check for any damage to the parts which would prevent the part from being assembled correctly, easily and safely.*

## 1.0 Assembly

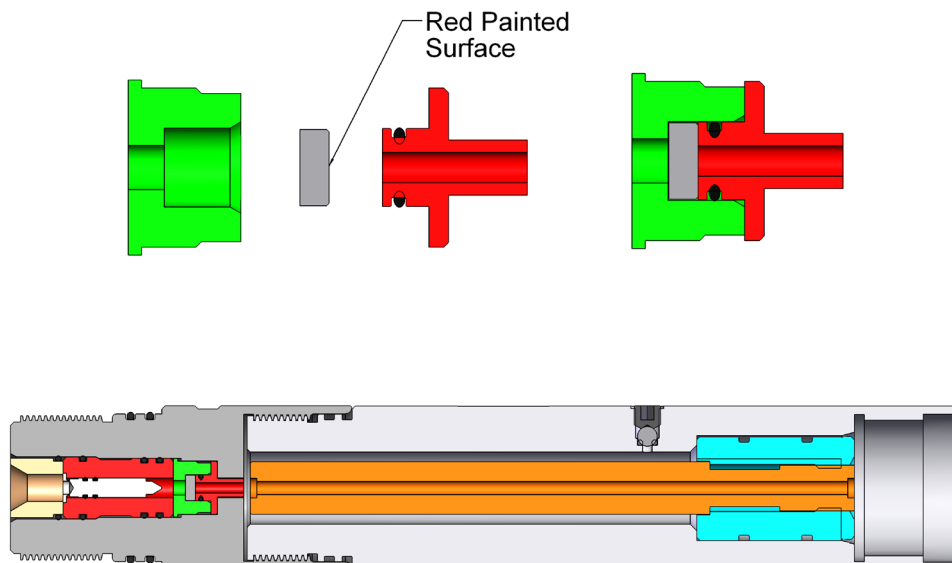
- 1.1 Insert the O-ring (item 6) into the threaded bore on the side of the TD Housing (item 1), also place Ball Bearing (item 5) into the bore on top of the o-ring. Thread in the Set Screw (item 4) sealing the o-ring between the bottom of the bore and the ball bearing. Install O-rings (item 8) onto the upper end of the TD housing



- 1.2** Install O-ring (item 7) onto the Support Block (item 2). Remove protective cover from the Time Delay Fuse (item 10) and thread into the support block. Apply a light layer of grease to the o-ring, using the installation tool (TC-043-0006-000) install the fuse and support block into the TD Housing.



- 1.3** Separate the two halves of the Igniter Support (item 3) and insert the Igniter (item 9), reconnect the two halves. **REMEMBER:** the **RED** painted surface must face toward the support half with the protruding tube. Place the **ARMED** igniter support into the CTubing Transfer Sub or Detonator Body to be used. Install any supporting parts securing igniter in place, apply grease to o-ring and threads of the TD housing, and thread together.



1.4 The assembly is now complete and ready to be mated with whatever tool it is to be used with.



**Warning:** *If this assembly is to be used with a Setting Tool; you MUST remember to BLEED OFF the PRESSURE that will be trapped in the housing before attempting to un-thread any sub.*