



Coil Tubing Transfer System

TC-039-1688-000

MAN-TC-039-000 (R03)

OWEN OIL TOOLS

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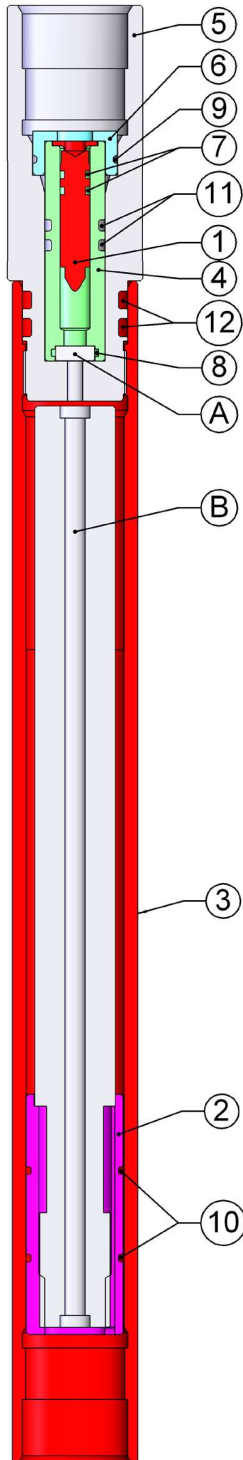
Warning: use of owen equipment contrary to manufacturer's specifications or operating instructions may result in property damage, serious injury or fatality. If you are not trained in the handling and use of explosive devices, do not attempt to use or assemble any owen perforating systems or owen firing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

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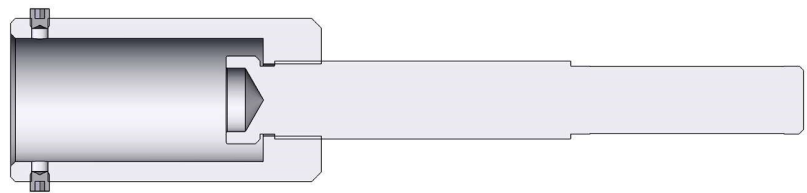
BILL OF MATERIALS:

ITEM	PART NUMBER	QTY	DESCRIPTION
--	TC-039-1688-000	--	Assembly , CT Transfer, 1-11/16
1*	TC-044-0003-000	1	Firing Pin, CT Transfer
2*	TC-039-0004-000	1	Support Block, 6-Min TD, 1-11/16
3	TC-039-0005-000	1	Housing, 6-Min TD, 1-11/16
4*	TC-039-0008-000	1	Housing, Firing Pin, 1-11/16
5	TC-039-0009-000	1	Top Sub, Igniter, 1-11/16
6*	TC-039-0013-000	1	Retainer, Firing Pin
7*	OOO-N569-010	2	O-ring, N-90
8*	OOO-N569-014	1	O-ring, N-90
9*	OOO-N569-020	1	O-ring, N-90
10*	OOO-N569-023	2	O-ring, N-90
11*	OOO-N569-113	2	O-ring, N-90
12*	OOO-N569-215	2	O-ring, N-90
A	2-360220-1	1	Igniter (sold separately)
B	51-8200-4	1	6-Minute TD Fuse (sold separately)
	2-450060-1		6-Minute CLCP TD Fuse (sold separately)
--	TC-039-1688-099	--	Redress Kit for TC-039-1688-000
--	TC-039-1688-299	--	Redress Kit, HT for TC-039-1688-000
--	MAN-TC-039-000	--	Manual
**	RTG-0100-275TD	--	RTG Time Delay Booster Transfer Kit



* Denotes parts that are in the redress kit

** The RTG-0100-275TD contains two RTG-0100-271 booster tubes which are required for both ends of the gun system used with the TC-039-1688-000.



Installation and Removal Tool
TC-039-0010-000



Warning: *The assembly of this tool requires the use of an Explosive Device and all safety precautions must be adhered to and observed! Only personnel trained in explosive handling procedures should be allowed to arm this firing head assembly!*



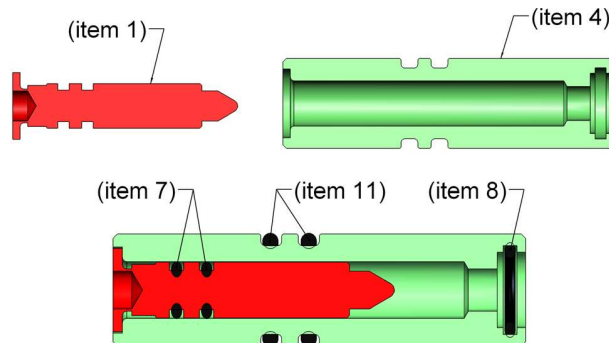
Note: *Check all items against the parts list to be sure you have the correct parts and quantities.*



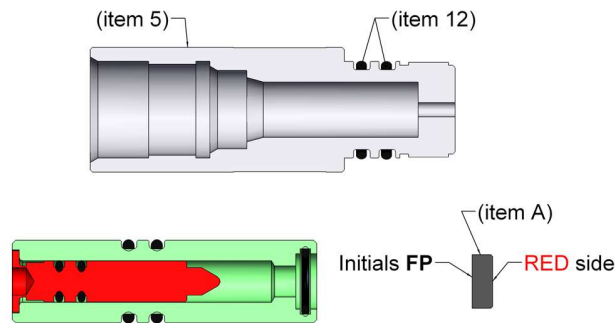
Note: *Check for any damage to the parts which would prevent the part from being assembled correctly, easily and safely.*

1.0 Assembly

- 1.1 Install the O-Rings (items 7 & 11) on the firing Pin (item 1) and the Firing Pin Housing (item 4). Install O-Ring (item 8) into the bottom end of the housing. Apply grease to the firing pin O-Rings and insert into the firing pin housing.

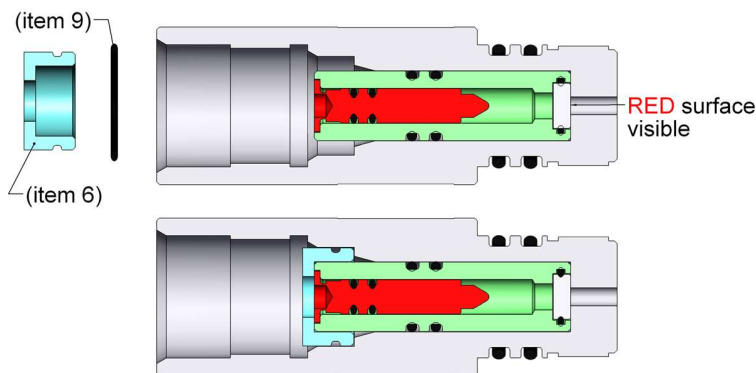


- 1.2 Install the O-Rings (items 12) onto the Igniter Top Sub (item 5). Remove the Igniter (item A) from its shipping package. The igniter will have the initials FP on one side and the other side will be colored RED. Insert the igniter into the recess of the firing pin housing with the FP side facing the firing pin and the RED side facing outward.

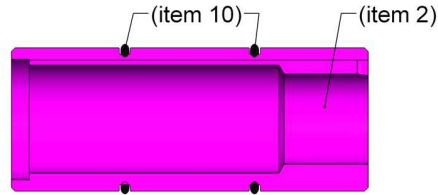


Warning: Use extreme caution when handling the explosive Igniter.

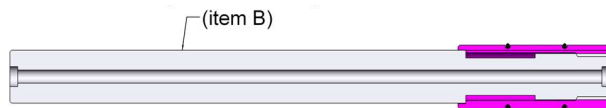
- 1.3 Apply some grease to the O-Rings of the firing pin housing and insert into the igniter top sub, being careful that the igniter stays seated in the recess. If all is installed correctly, you should be able to see the RED surface of the igniter through the hole in the bottom of the top sub. Place O-Ring (item 9) onto Firing Pin Retainer (item 6) and insert this into the top sub assembly as shown. Set aside this assembly in a SAFE location.



1.4 Install the O-Rings (item 10) onto the Fuse Support Block (item 2).

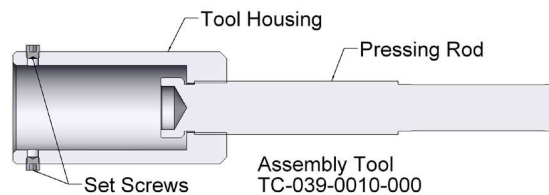


1.5 Remove the 6-Minute TD Fuse (item B) from its shipping package. Remove the safety shield and thread the fuse into the support block until the two parts shoulder up.

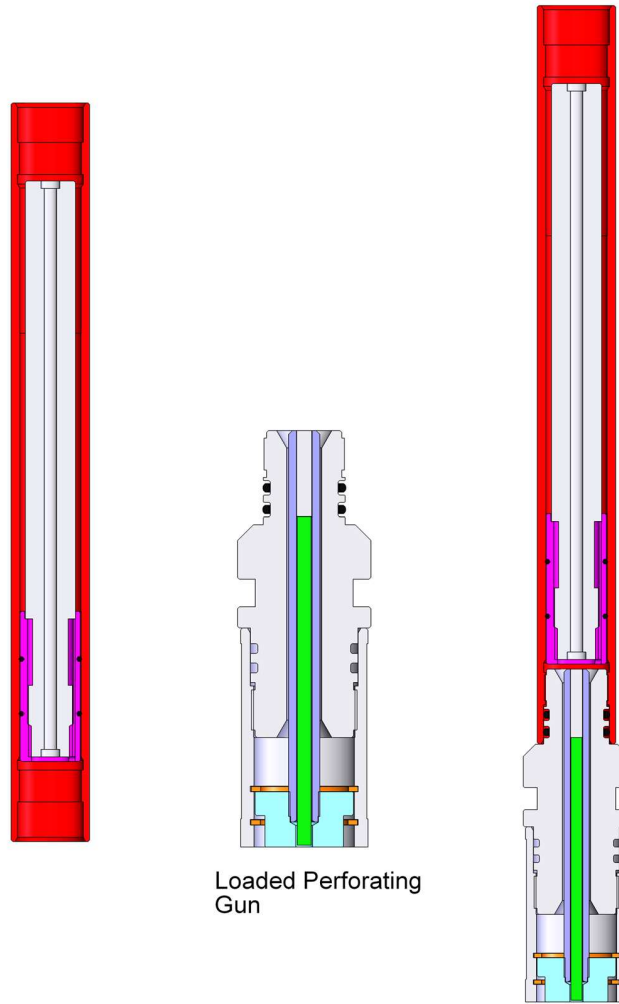


Warning: Use extreme caution when handling the explosive Time Delay Fuse.

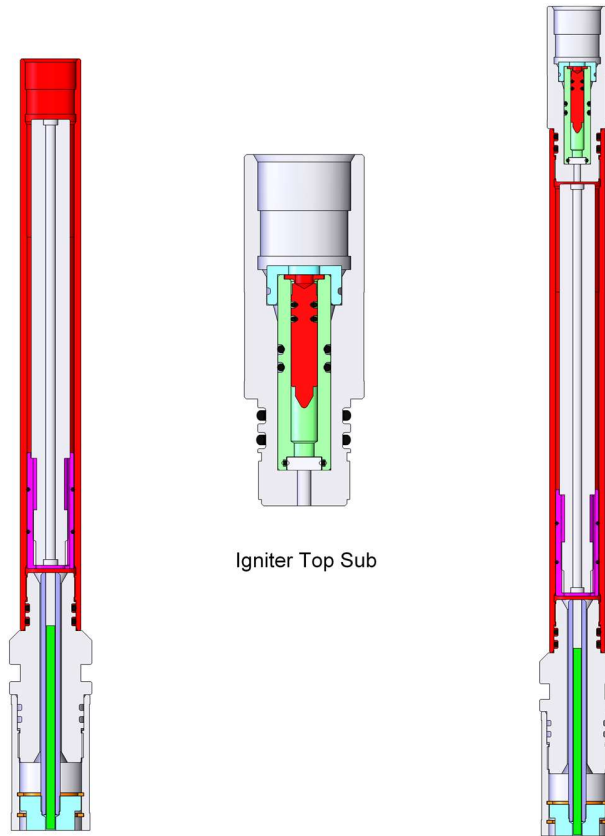
1.6 Apply some grease to the O-Rings on the fuse support block and insert into Outer Fuse Housing (item 3) up to the first O-Ring. Use the Installation Tool (TC-039-0010-000) to help push the fuse assembly into the housing. Back off the pressing rod up into the outer tool housing, slide over the end of the housing, and tighten set screws onto fuse housing. Gently thread in pressing rod, which in turn will push fuse assembly into fuse housing, push in until the top of the fuse is near the thread relief. When done, loosen set screws and remove tool.



- 1.7 Apply grease to the O-Rings and threads of the top gun sub onto which you will be putting the time delay fuse. Thread the fuse and its housing assembly onto the top gun sub, tighten.

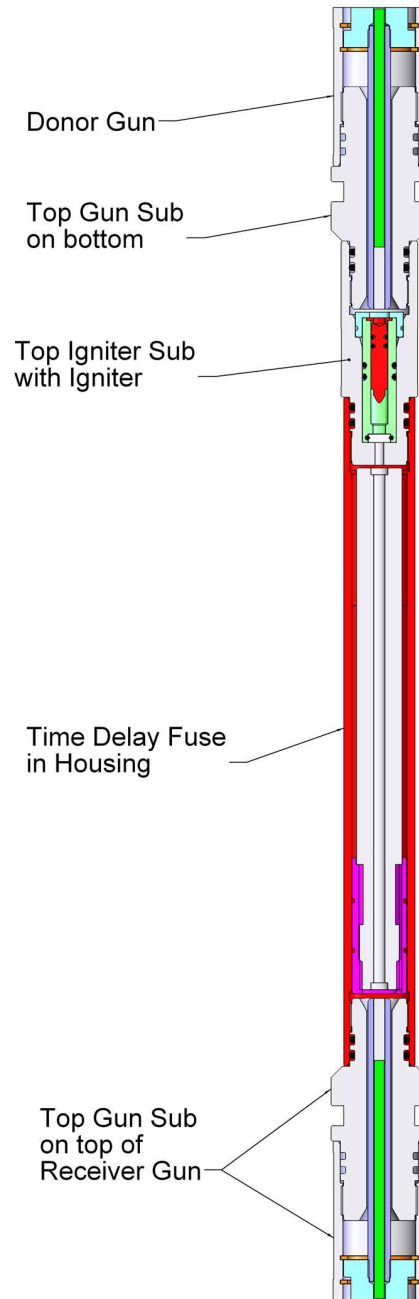


- 1.8 Apply some Grease to the O-Rings and threads of the top igniter sub and thread into the top end of the fuse housing, tighten. This assembled gun system is now ready to be mated to the bottom of the next gun in the perforating string. Remember the gun it connects to MUST have a top gun sub on the bottom looking down to mate and function correctly.



Igniter Top Sub

- 1.9 This is what the 1-11/16" Coiled Tubing Transfer should look like when mated with the next gun in the perforating string. The mating gun **MUST** have a Top Gun Sub on both ends and boosted exactly alike to have a successful explosive transfer.





Delay Time vs. Temperature | 6-Minute Fuse

