

### Description

The Extended Time Delay Hardware for 6 minute Delay Fuse allows the operator to extend the delay time of the standard 6-minute Time Delay System. If more time is needed for downhole operations additional 6-minute Time Delay Fuses may be used in conjunction with this hardware. This hardware assembly must be used for each additional time delay fuse needed. The hardware contains a Firing Pin and Ignitor that are used to activate the additional Time Delay Fuse.

### Features and Benefits

- Increase the time delay to optimize the underbalance perforating operations including the use of nitrogen with a pressure activated firing head.
- May be used to independently perforate multiple zones
- An alternative to the Pressure Activated Time Delay Firing Head (with 10 minute time delay)
- Allows multiple guns to be run without the need for gun spacers

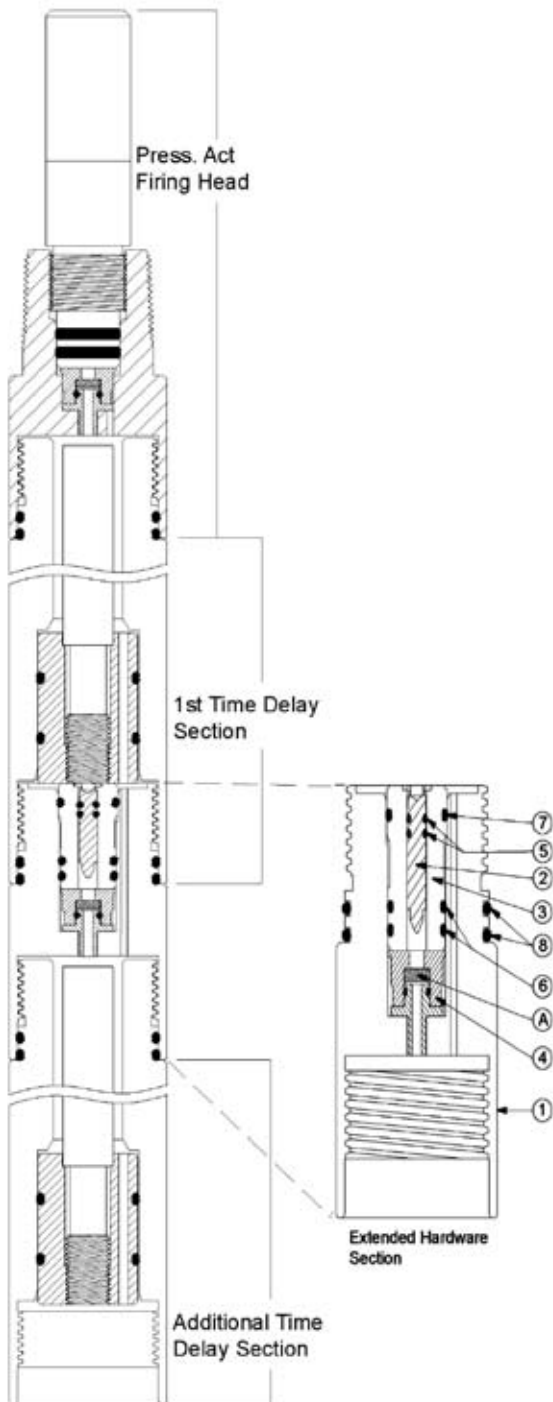
### Specifications

TC-043-2750-100		
O.D.	2.750"	69.9 mm
Make-up Length	3.53"	89.7 mm
Max. Temperature	250°F	121°C
Max. Body Hydrostatic	20,000 psi	137.9 Mpa
Max. FP Hydrostatic	10,000 psi	68.9 Mpa

TC-043-3125-100		
O.D.	3.125"	79.4 mm
Make-up Length	3.50"	88.9 mm
Max. Temperature	250°F	121°C
Max. Body Hydrostatic	20,000 psi	137.9 Mpa
Max. FP Hydrostatic	10,000 psi	68.9 Mpa

The maximum temperature can be increased to 450°F (230°C) by substituting the 90 durometer Nitrile O-Rings with 90 durometer Viton O-Rings.

**Note: The maximum pressure rating for the firing pin (FP) is established as a safety feature in the event of a seal failure.**



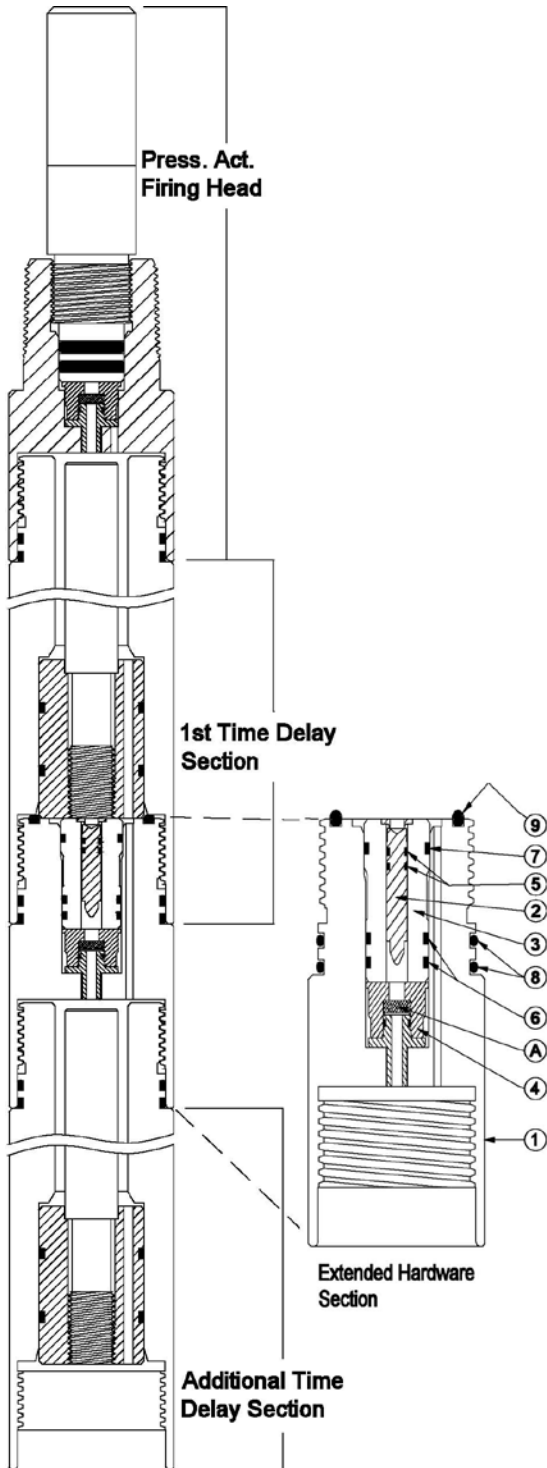
Item	Part Number	Qty	Description
1	TC-043-0002-100	1	Body, Ext. 6-Min. Delay 2.750
2**	TC-044-0003-000	1	Firing Pin
3**	TC-044-0004-000	1	Housing, Firing Pin
4	TC-043-0003-000	1	Igniter Support Assembly
5**	OOO-N569-010	2	O-ring, N-90
6**	OOO-N569-119	2	O-ring, N-90
7**	OOO-N569-120	1	O-ring, N-90
8**	OOO-N569-225	2	O-ring, N-90
A	2-350220-1	1	Igniter, (explosive component)
--	TC-043-2750-199		Redress Kit, Ext. 6-Min. Delay
--	TC-043-2750-599		Redress Kit, HT Ext. 6-Min. Delay
--	MAN-TC-043-100		Manual, Ext. 6-Min. Delay

\*\* Denotes parts that are in the redress kit.

TC-043-2750-599 contains Viton O-rings

Note: Explosive components are sold separately

This assembly and redress kits do not include Igniter Support Assembly (TC-043-0003-000). This part comes with the 6-Minute Fuse Assembly and their redress kits.



Item	Part Number	Qty	Description
1	TC-043-0001-100	1	Body, Ext. 6-Min. Delay 3.125
2**	TC-044-0003-000	1	Firing Pin
3**	TC-044-0004-000	1	Housing, Firing Pin
4	TC-043-0003-000	1	Igniter Support Assembly
5**	OOO-N569-010	2	O-ring, N-90
6**	OOO-N569-119	2	O-ring, N-90
7**	OOO-N569-120	1	O-ring, N-90
8**	OOO-N569-230	2	O-ring, N-90
9**	OOO-N569-329	1	O-ring, N-90
A	2-350220-1	1	Igniter, (explosive component)
--	TC-043-3125-199		Redress Kit, Ext. 6-Min. Delay
--	TC-043-3125-299		Redress Kit, HT Ext. 6-Min. Delay
--	MAN-TC-043-100		Manual, Ext. 6-Min. Delay

\*\* Denotes parts that are in the redress kit.

TC-043-3125-299 contains Viton O-rings

Note: Explosive components are sold separately

This assembly and redress kits do not include Igniter Support Assembly (TC-043-0003-000). This part comes with the 6-Minute Fuse Assembly and their redress kits.