



NOTE: All electrical checks with a Meg-Ohmmeter are done without the BP-3 Igniter installed. Once the BP-3 Igniter is installed, all electrical checks are to be performed only with an approved Blaster's meter.

- 1- Thoroughly clean the Firing Sub Adapter and Igniter Body, then de-grease. Dry completely.
- 2- Install external o-rings on the Igniter Body, Shorting Plug and Lower Thread Protector.
- 3- Place o-ring and Insulating Washer on the Contact Rod. Make sure the o-ring is properly seated in the recess under the head of the Contact Rod. Insert the Contact Rod into the Teflon Sleeve.
- 4- Install o-ring to the end of the Igniter Body; make sure the o-ring is properly seated in the recess. Insert the Contact Rod into the pin end of the Igniter Body.
- 5- Insert the Rubber Washer first, then the Insulating Washer into the open end (top) of the Igniter Body over the end of the Contact Rod.
- 6- Insert the Flat SS Washer and Lock Washer into the open end (top) of the Igniter Body over the end of the Contact Rod; install and tighten Nut firmly.

Note: Check the electrical insulation resistance between the Contact Rod and the Igniter Body with a Meg-Ohmmeter. The reading should be in excess of 700 Meg-Ohms.

- 7- Make up the Igniter Body assembly to the Firing Sub Adapter. Install Shorting Plug and Lower Thread Protector.
- 8- At the wellsite: Remove Igniter Body assembly (with Shorting Plug in place) from Firing Sub Adapter (with Lower Thread Protector in place). After performing the electrical check of the BP-3 Igniter in a safety sleeve assembly using a Blaster's meter, install the BP-3 Igniter into the Firing Sub Adapter until it is firmly seated. Re-install the Igniter Body assembly into the Firing Sub Adapter; remove Shorting Plug and check electrical continuity with a Blaster's Meter (reading should be .950-1.00 Meg-Ohms). Attachment of this Igniter Body/Firing Sub Adapter with the RED Igniter in place is done PRIOR to assembly of the Chemical Cutter to this assembly.

TOLERANCES (EXCEPT AS NOTED)
 FRACTION: ±1/64
 DECIMAL: .X .050
 .XX .015
 XXX .005
 (DD NOT SCALE DRAWING)
 ANGLE: ± 1/2"
 FINISH: 125 / RMS



HOUSTON

TEXAS, USA

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REV.	DATE	DESCRIPTION	DWN.	CHK'D	MAT'L
					FINISH
					HEAT TREAT
					DWN. Ghossein CHK APPR. SCALE NTS
					DATE 11.20.14

BP-3 IGNITER ASSY F/1 11/16-4 9/16 OD TOOL	
SUPERSEDES	DWG. NO.
SUPERSEDED BY	HPT-1687-BPA