



TO INFORM YOU

**PRODUCT  
SUPPORT  
BULLETIN # 434**

TO: AUTHORIZED *portable electric tool* SERVICE STATIONS  
*factory* SERVICE / SALES SUPPORT BRANCH  
SALES COMPANIES

DATE: April 2005

TOOL(S) \ PRODUCT(S) AFFECTED: 6080-20, 6081-20, 6082-20, 6088-20 Fixed Cord 7" / 9" 15Amp  
Sander / Grinder

6086-20, 6089-20 Quik-Lok™ Cord 7" / 9" 15Amp Grinder

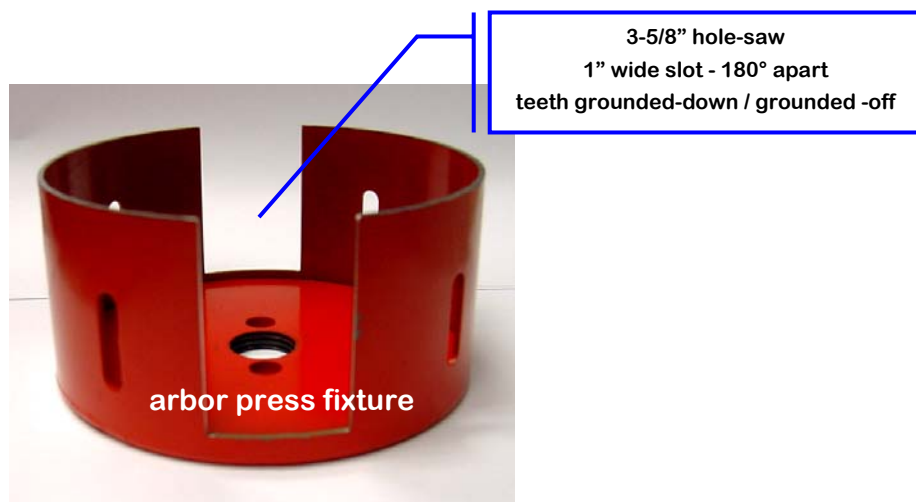
**SUBJECT: installing 18-70-1130 120V Field in 31-50-1785 Motor Housing**

The **interference fit** between the 18-70-1130 120V Field and the internal 'lands' of a 31-50-1785 Motoring Housing, *which is a component of the 31-50-1752 Motor Housing Service Kit*, **is substantial and requires significant force for the field to be installed**. The fit requires utilizing a simple ratchet arbor press and a press fixture.



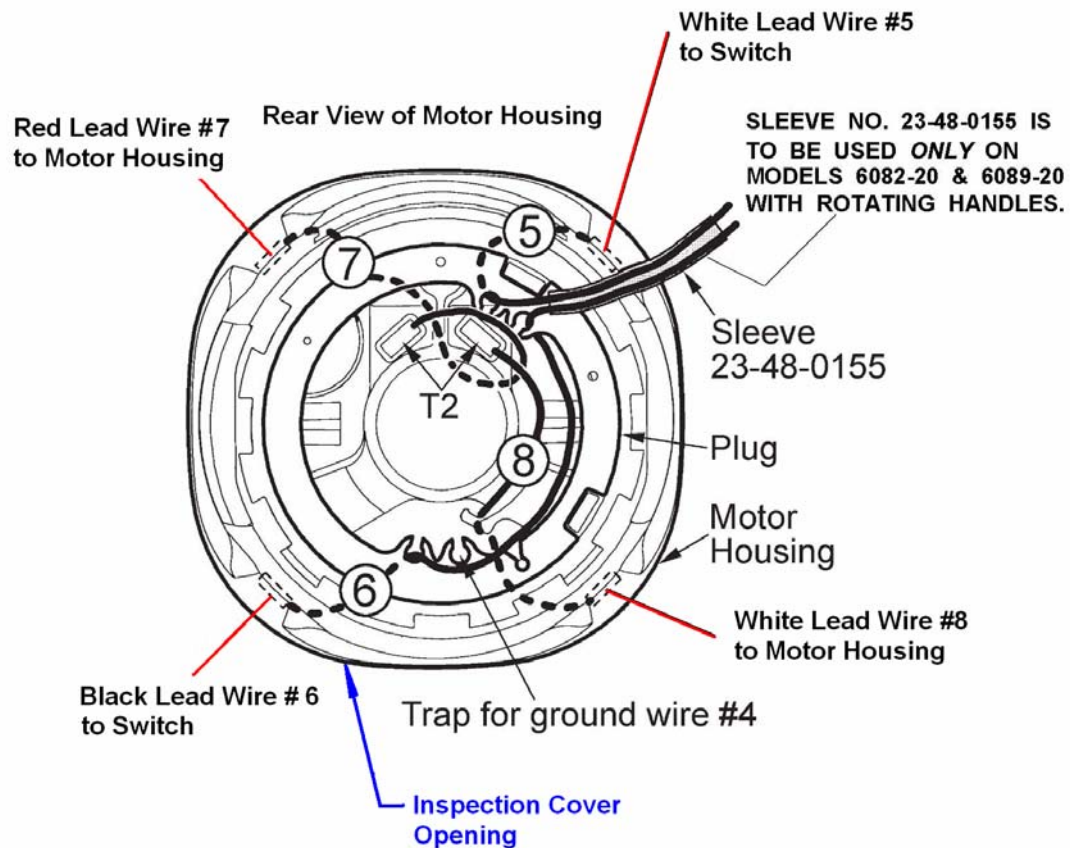
**With slight modification a 3-5/8" Hole-Saw** [49-56-0195, 49-56-0196, 49-56-3620 or 49-56-3623] **will work as a service arbor press fixture** (*see illustration*).

Cutting 2 - 1" wide slot 180° apart into the side wall of the hole-saw and grinding down / grinding-off the teeth of the hole-saw allows it to be used as an arbor press fixture; the slots allow the modified hole-saw fixture to clear the 'lands' of the motor housing when pressing and seating the field in the motor housing.



**Service note** – please see Product Support Bulletins # 393 - Subject: Type 'X' Dielectric Grease 49-08-5000 and Mag-Mate Terminals. Please see Product Support Bulletin # 424 - Subject: motor housing and wiring change to 7" / 9" 15Amp Sander / Grinders.

This bulletin is for informational purposes. PLEASE NOTE ON SERVICE PARTS LIST: 54-38-1400, -1401, -1402, -1425, -1426, -1427, -1550, -1551, -1552, -1553, -1575, -1576, -1600, -1601, -1602, -1603, -1625, -1626, -1627 and Product Support Bulletin # 393, 424



**Service Note** – if the Field is cleaned / wash in solvent, 'X' Grease must be added to the field Mag-Mate cavities to help prevent corrosion and maintain electrical reliability of the tool (see *Product Support Bulletin # 393*).

#### Installation steps...

1. attached lead wires # 7 & 8 into Mag-Mate field terminals and tuck into center core of field
2. attached lead wires # 5 & 6 into Mag-Mate field terminals
3. gently place field into motor housing and pull lead wires # 5 & 6 through the rear of the motor housing
4. align field with motor housing 'lands'
5. align modified hole-saw press fixture with field and motor housing 'lands' and firmly press and seat field into motor housing - *field leads 5 & 6 must be pulled through and positioned to make sure they are not between arbor press plate and rear bearing bore of the housing*

