TO INFORM YOU

PRODUCT SUPPORT BULLETIN # 442

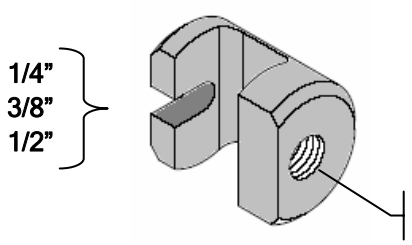
TO: AUTHORIZED *Portable Electric Tool* SERVICE STATIONS
factory SERVICE / SALES SUPPORT BRANCH CENTERS
SALES COMPANIES

DATE: November 2005

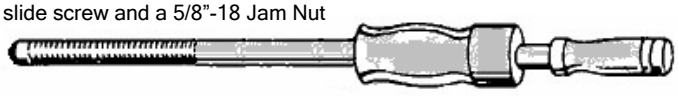
TOOL(S) \ PRODUCT(S) AFFECTED: 6180-20 14" Abrasive Cut-Off Machine
6190-20 Dry-Cut Cut-Off Machine

SUBJECT: Special Service Tooling – Slide Hammer Puller Attachments

61-10-1025	3/8" Slide Hammer Puller Attachment	Net Price $18.70
61-10-1050	1/2" Slide Hammer Puller Attachment	Net Price $18.70
61-10-1075	1/4" Slide Hammer Puller Attachment	Net Price $18.70



Use with Snap-On® CG250H Slide Hammer or equivalent, with 5/8"-18 thread slide screw and a 5/8"-18 Jam Nut

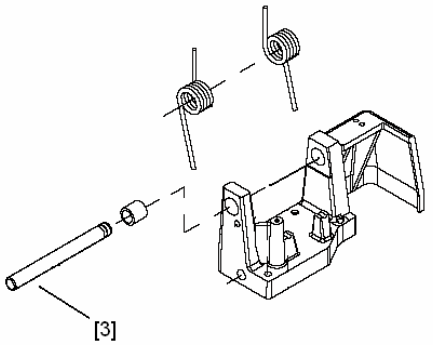


Pictured Slide Hammer Puller Attachments with 5/8"-18 UNF thread in the three [3] sizes listed are service tooling which will help to remove the Pivot Shaft and Spindles Assembly from 6180-20 Abrasive and 6190-20 Dry-Cut Cut-Off Machines.

Removing Pivot Shaft, Torsion Springs, and Gear Housing Assembly from Pivot Block

- Release Torsion Spring Tension – see insert below
- To remove pivot shaft [3], use a slide hammer and slide hammer puller attachment (illustrated above)
- Thread a **hex head** M6 X12 screw into the internal threads of shaft [3].
- Place u-shape opening of slide bar puller attachment over head of the M6 X 12 screw (a washer maybe required on M6 screw depending on attachment style being used).
- Move slide of slide-hammer back and forth rapidly across slide bar until pivot shaft has been removed.

Early machines used two set screws to hold pivot shaft [3] secure. One on gear housing. One on pivot block, this set screw was removed from the machine as a running change. Replacement pivot supports will not be drilled for a second set screw.



Releasing Torsion Spring Tension Step 1, 2, 3

To release torsion spring tension follow steps 1, 2 & 3

1. Begin by having a large flat bladed screwdriver (or similar device) with a notch cut into it [fig1].
2. Position notch of screwdriver (or similar device) under long end of torsion spring resting on pivot block support [fig 2], (use pivot block as stop for screwdriver shaft pressure point).
3. Lift torsion spring coil off pivot block support and slowly release pressure from long arm of torsion spring. Fig 3 illustrates spring in released position.

Repeat steps 1, 2 & 3 to remove second torsion spring coil.

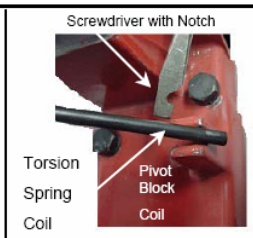


fig 1

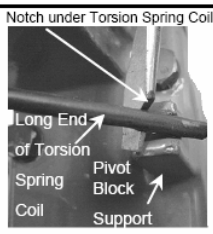


fig 2

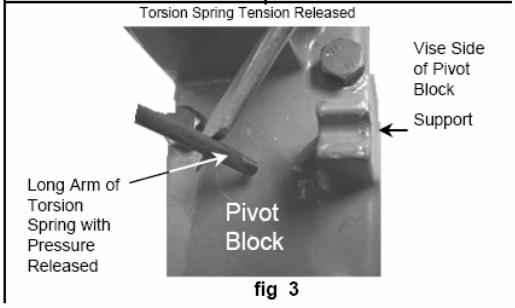


fig 3

This bulletin is for informational purposes. PLEASE NOTE ON SERVICE PARTS LIST: 54-40-0900, -0901, -0925, -0926

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Preparing to Remove Spindle, Front Bearing Cover, Spindle Stop Collar and Gear Assembly Step 1

Fig. 1

1. Install flange nut [A] onto spindle threads [B] in direction of arrow. (clockwise)

Fig. 2

2. Hand tighten flange nut [A] onto threads of spindle [B] until back of flange nut [A] reaches spindle shoulder [C].

Do not use M14 Fixtec nut when pulling gear assembly from gear housing

Proceed to Step 2

STEP 1

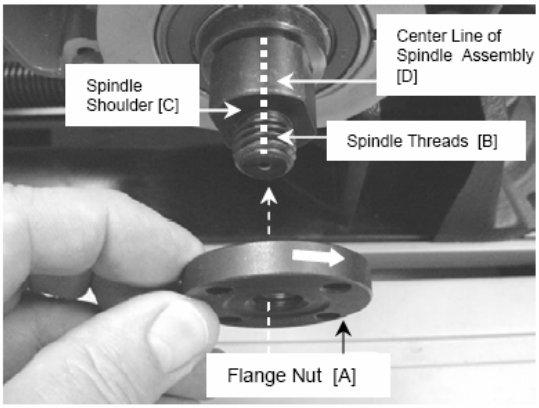

Fig. 1

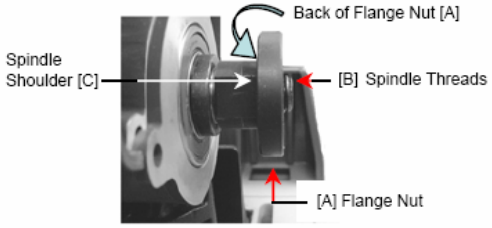

Fig. 2

Preparing to Remove Spindle, Front Bearing Cover, Spindle Stop Collar and Gear Assembly Step 2

Fig. 3

1. Place slide bar attachment head [1] over flange nut [A].
2. Position slide bar [2] in-line with center of spindle assembly [D].
3. Slide, slide hammer [3] back and forth across slide bar [2] until spindle / gear assembly has been removed from gear housing [G].

STEP 2

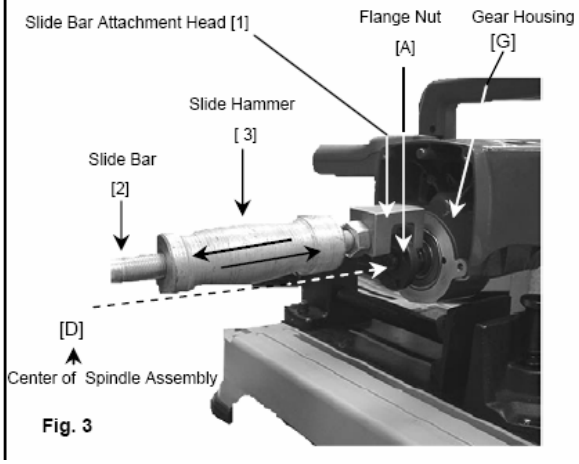

Fig. 3