

JOHN DEERE

Dealer Cotton Picker Tooling

Designed and built exclusively by



douglas

MACHINE & ENGINEERING

1721 WEST FIFTH STREET

Davenport, Iowa 52802

Phone: 563-324-0611

Fax: 563-324-8625

Orders Please contact: Jen Zak at jzak@doug-machine.com
Technical Questions: Nick Roman at nroman@doug-machine.com

Tooling video of SNP 9929, DFG 9910, SCT 9928 & DIG 9925 can be viewed on You Tube at:

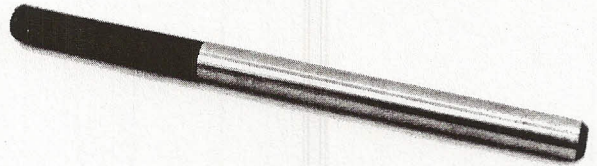
"DOUGLAS COTTON PICKER REPAIR"

NO. 6—

BROACH

Use to broach spindle nuts.

For: 499, 699 and older cotton pickers.

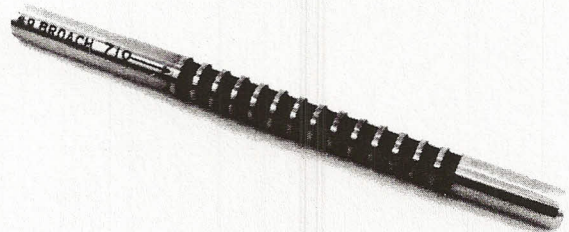


NO. 9—

BROACH

Use to broach spindle nuts.

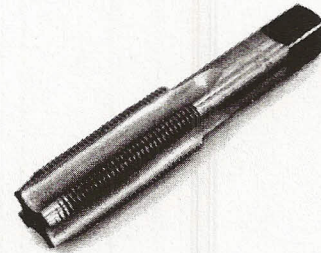
For: 9900 and newer cotton pickers.



ST199L—

SPINDLE TAP

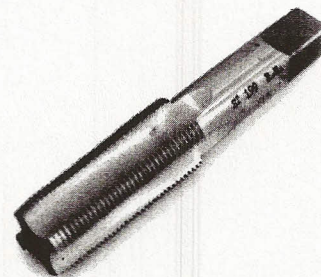
Use to rework left-hand spindle nut threads in picker bars.



ST199R—

SPINDLE TAP

Use to rework right-hand spindle nut threads in picker bars.

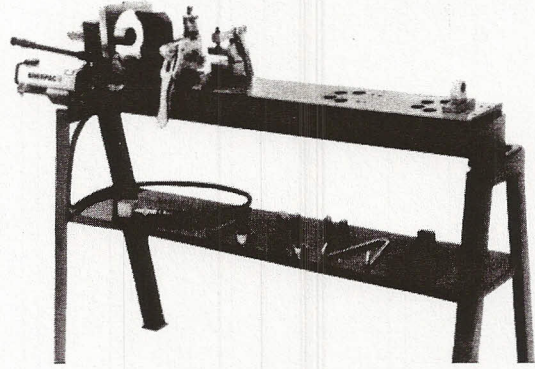


S-201—

**PICKER BAR
STRAIGHTENER**

Use to check and straighten bent cam arms and picker bars.

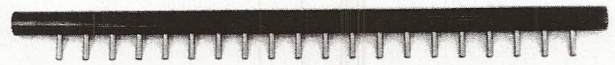
For: All cotton pickers.



GB-202— GAUGE BAR

Use to check doffer and moistener column spacing.

For: All cotton pickers.

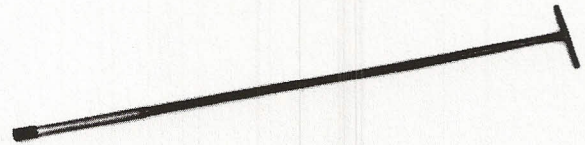


R-203—

**REAMER 1-1/8 IN.
DIAMETER**

Use to ream picker bar bearing areas.

For: All cotton pickers.

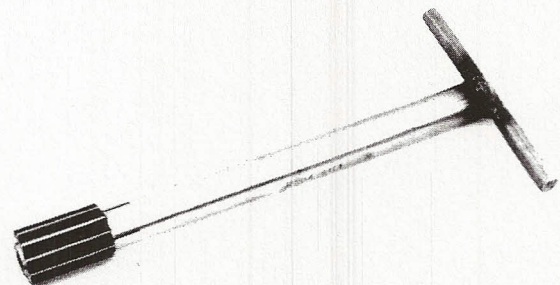


R-204—

**REAMER 1-3/8 IN.
DIAMETER**

Use to ream upper bore for ball bearing.

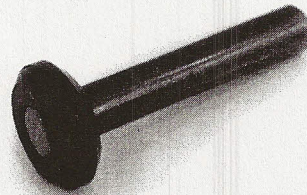
For: Cotton pickers with steel picker bars.



CG-333— CAM GAUGE

Use to check wear in the cams.

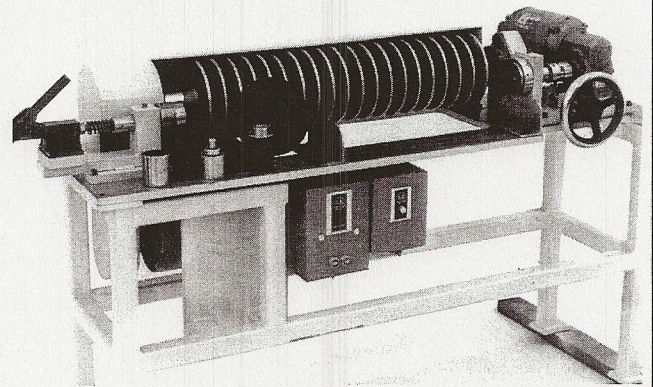
For: 9900 and newer cotton pickers.



G-9900— DOFFER GRINDER

Used to grind doffer column pads.

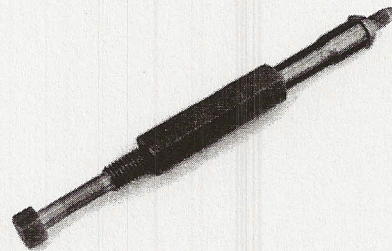
For: All cotton pickers.



BP-9901R— BUSHING PULLER

Use to remove bushing in older style doffer columns only.

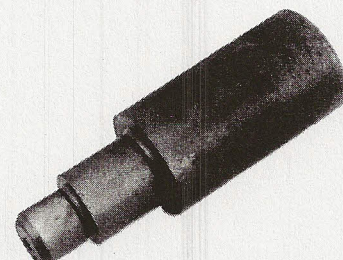
For: 9900 and 9910 cotton pickers.



BD-9902C— BUSHING AND SEAL DRIVES

Use to install bushing and seals in older style doffer columns.

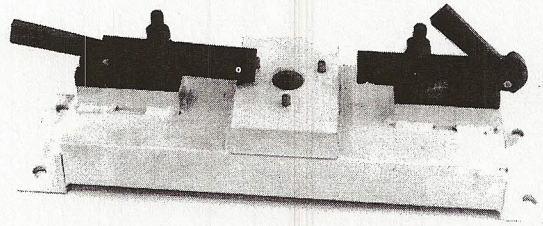
For: 9900 and 9910 cotton pickers.



DH-9904—DOFFER HOLDING FIXTURE

Use to protect the flange face of the doffer column while holding the column during repair.

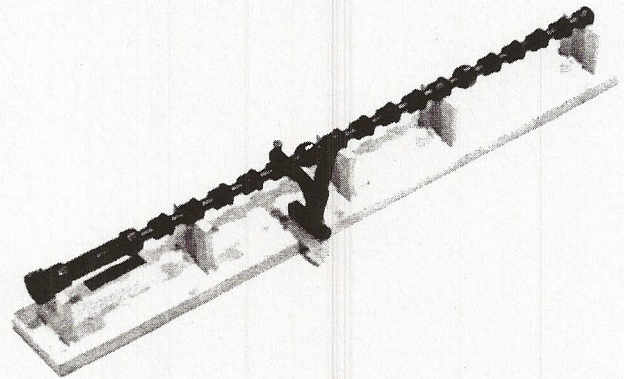
For: All cotton pickers.



SV-9905— SHAFT VISE

Use to hold picker bar shafts while removing and installing spindle drive gears.

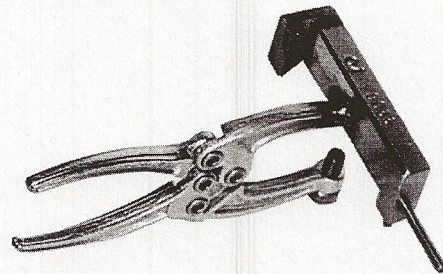
For: All cotton pickers.



DA-9906A— GEAR ALIGNMENT TOOL

Use to align spindle drive gear for installation.

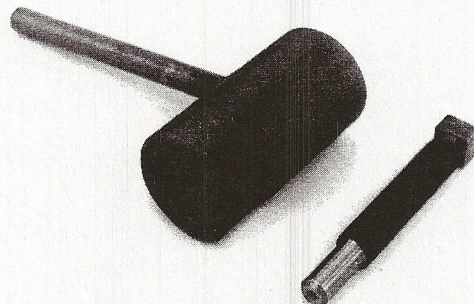
For: 9900 and newer cotton pickers.



GP-9907— GEAR PULLER

Use to remove the spindle drive gear.

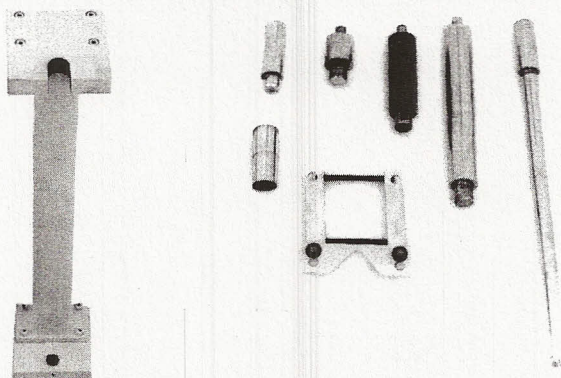
For: 9900 and newer cotton pickers.



**GAD-9908— GAUGE,
DISASSEMBLY
AND ASSEMBLY**

Use to disassemble and assemble picker bar cam follower arm and sleeve.

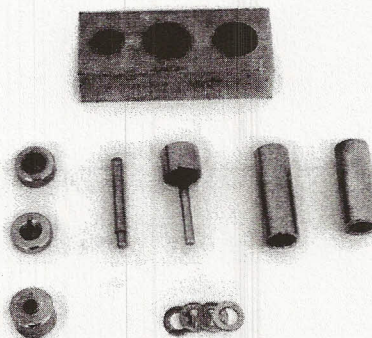
For: 9900 and newer cotton pickers.



**PF-9909— SPINDLE
PRESSING
FIXTURE**

Use to assemble and disassemble spindle nuts.

For: All cotton pickers.



**DFG-9910— DOFFER FLANGE
GRINDER**

Used to grind doffer flange.

For: All cotton pickers.



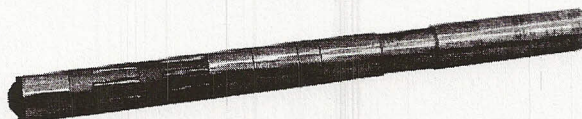
RB-9911— BEARINGIZER

Use to size spindle nuts.

The bearingizer accurately sizes bushings with two sets of cam actuated rollers. Broaches remove material while the bearingizer peens out the peaks and valleys, resulting in a hardened finish.

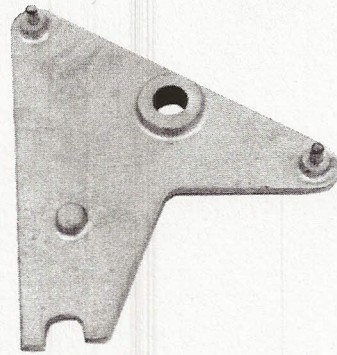
Life expectancy of the bearingizer is 160,000 spindle nuts. Life expectancy of the rollers is 2,000 spindle nuts. Use RB-9911K16 for roller replacement.

For: 9900 and newer cotton pickers.



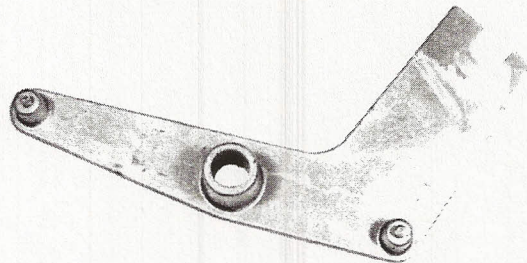
**12-UG-9913— ALIGNMENT
GAUGE**

Use on 12 bar front or rear drums on conventional cabinets.
Also requires CG-9918.



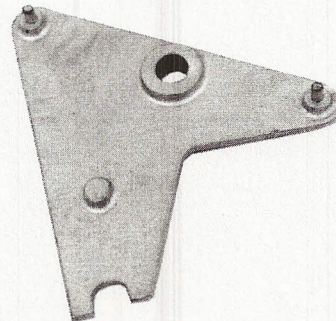
**12-CGPRO— ALIGNMENT
GAUGE**

For: Use on front and rear drums on PRO-12 units
and rear drum only of PRO-16™ units.



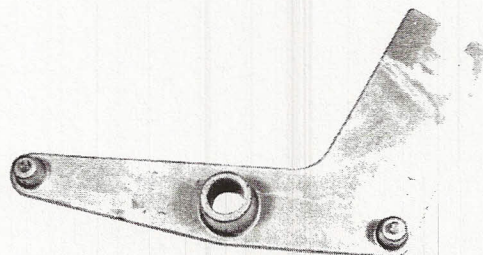
**16-UG-9913— ALIGNMENT
GAUGE**

Use on 16 bar front drums on conventional cabinets.
Also requires CG-9918.



**16-CGPRO— ALIGNMENT
GAUGE**

For: Use on front drum of PRO-16 units.



SRP-9916— SNAP RING PLIERS

Use to install and remove picker bar snap ring.

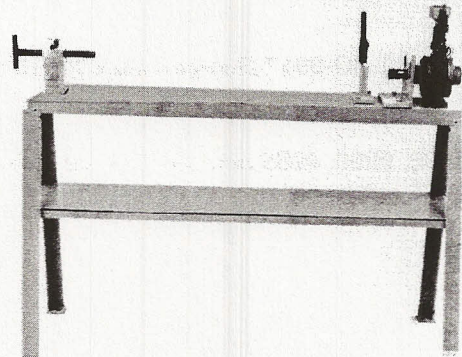
For: 9900 and newer cotton pickers.



RO-9917— RUN-IN FIXTURE

Use to run-in picker bars.

For: All cotton pickers.



CG-9918— CABINET ALIGNMENT TOOLS

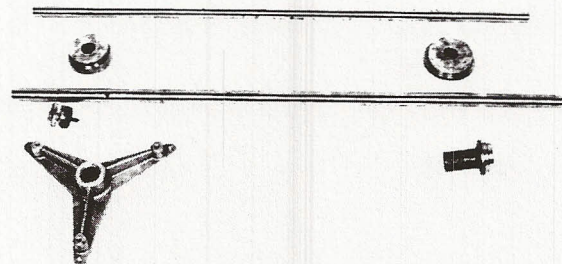
Use to align cabinets.

NOTE: For in-line cabinets, two sets are needed.

For: 9900 and newer cotton pickers.

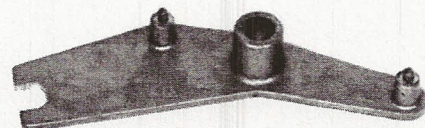
Also requires—Alignment Gauge:

- 18-CG9918 In-Line Units—9960, 9965 cotton pickers
- 16-UG9913 16 Bar Front Drum Units—on conventional units
- 12-UG9913 12 Bar Front and Rear Drums—on conventional units.
- 12CG-PRO
- 16CG-PRO



18-CG-9918— ALIGNMENT GAUGE

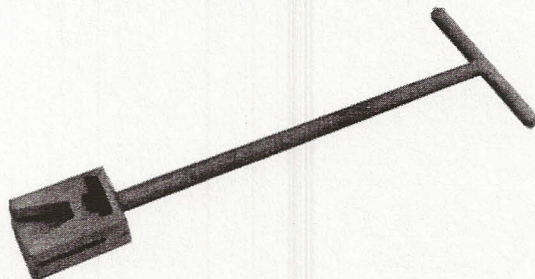
Use to align in-line cabinets. Also requires CG-9918 for in-line units for 9960 and 9965 cotton pickers.



PS-9919— PAD STRAIGHTENER

Use to straighten moistener column pad holders.

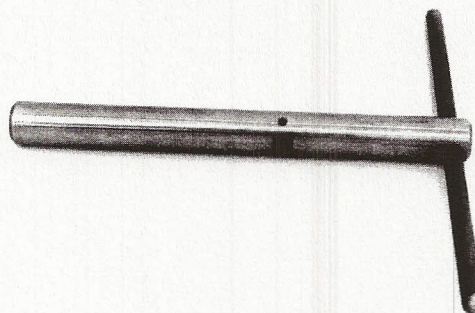
For: All cotton pickers.



GC-9920— GROOVE CUTTER

Use to recut snap ring groove in picker bar.

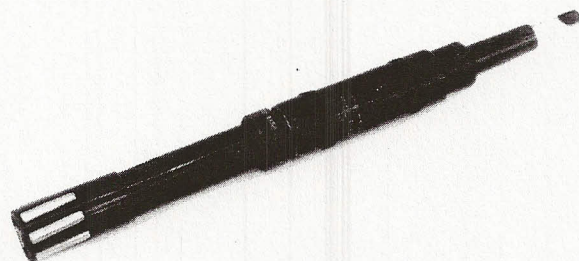
For: 9900 and newer cotton pickers.



RB-9921— ROLLER BURNISHER

Use to size picker bar upper bore.

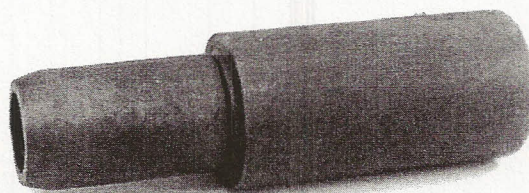
For: 9900 and newer cotton pickers.



PBP-9922— PICKER BAR PLUG

Use to check picker bar bore size and to support upper bar area while straightening cam area.

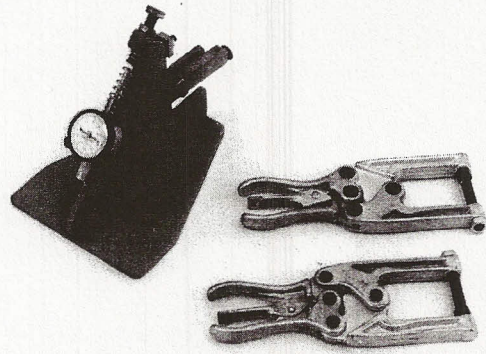
For: 9900 and newer cotton pickers.



DIG-9925— DIAL INDICATOR GAUGE

Use to plane picker bars.

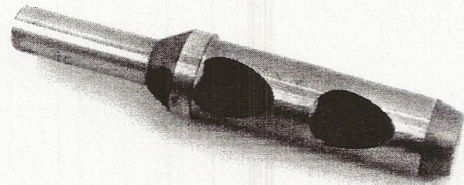
For: 9900 and newer cotton pickers.



PDT-9927R— PILOT DEBURR TOOL

Use to deburr spindle nuts.

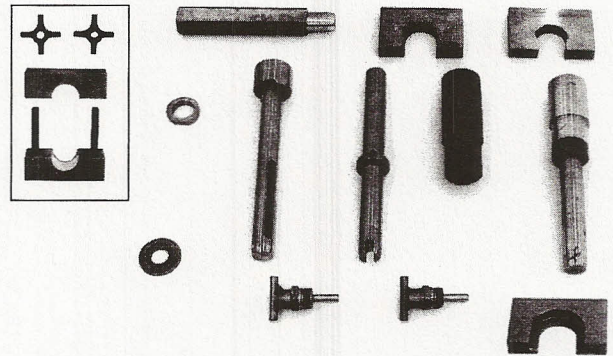
For: 9900 and newer cotton pickers.



SCT-9928— SLEEVE AND CAM TOOLS

Use to remove and install cam follower arms and full length sleeves on picker bars.

For: 9900 and newer cotton pickers.



SNP – 9929 SPINDLE NUT PRESS

