SPECIAL TOOLS
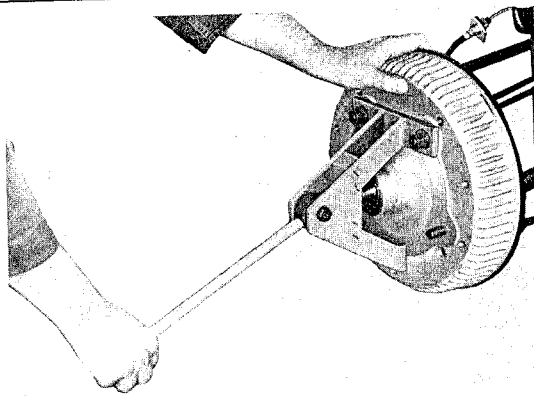
FOR

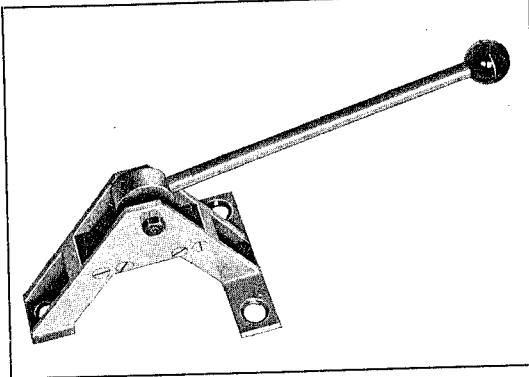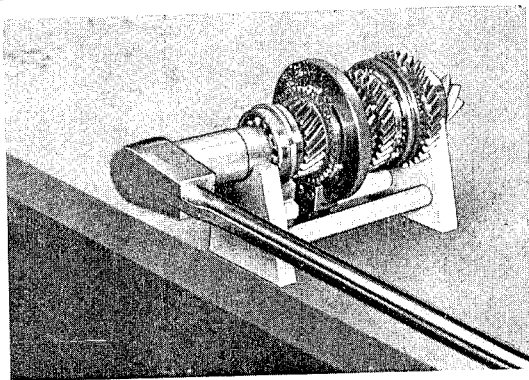# GROUP R

Puller for Brake Drums

Application

Tool

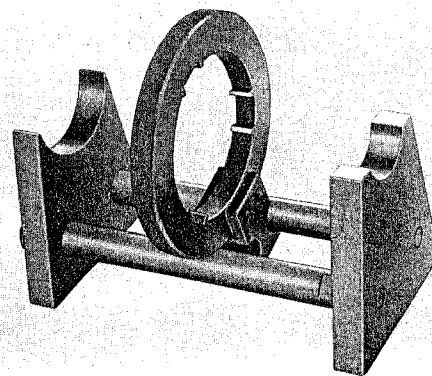**Use:** To remove brake drums

See: Workshop Manual, group R, operation 1 RA

Subject to change
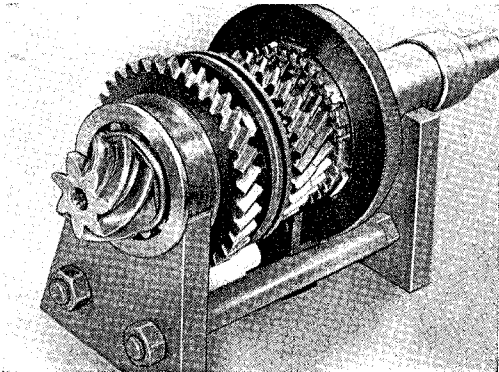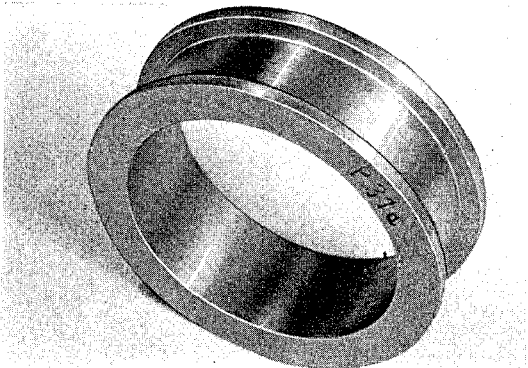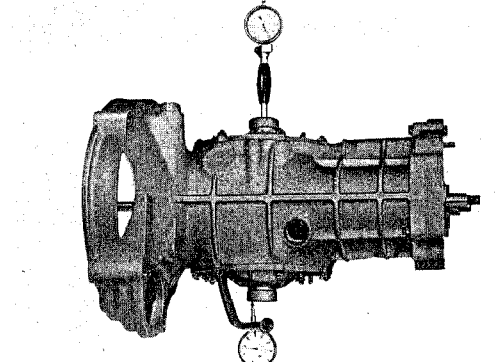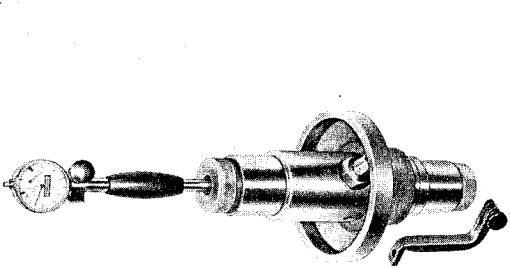
Holder for Pinion Shaft

Application

Tool

Use: To loosen or tighten pinion shaft castle nut
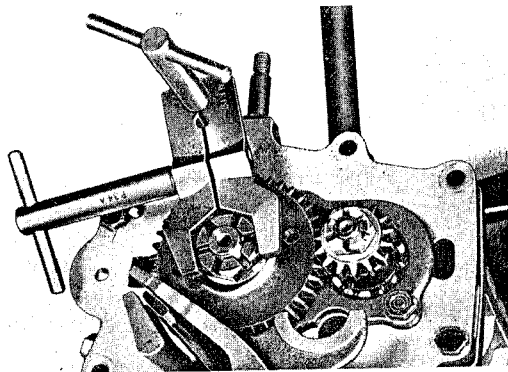
See: Workshop Manual, group R, operation 6 RA

Subject to change

Guide Pinion Shaft

Application

Tool

Use: Used with P 31 to loosen or tighten pinion shaft castel nut

See: Workshop Manual, group R, operation 6 RA
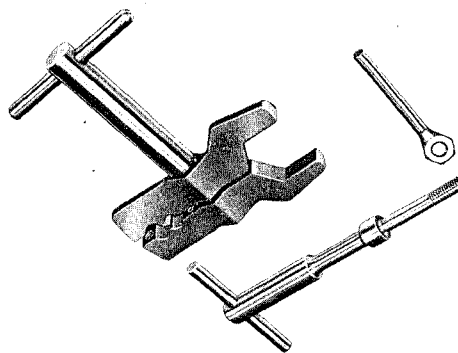
Subject to change

Gauge

Application

Tool

Use: To measure housing depth and to determine spacers for differential and final adjustment of ring and pinion

See: Workshop Manual, group R, operation 11 RA

Subject to change

Pinion Shaft Holding Clamp | P 34a
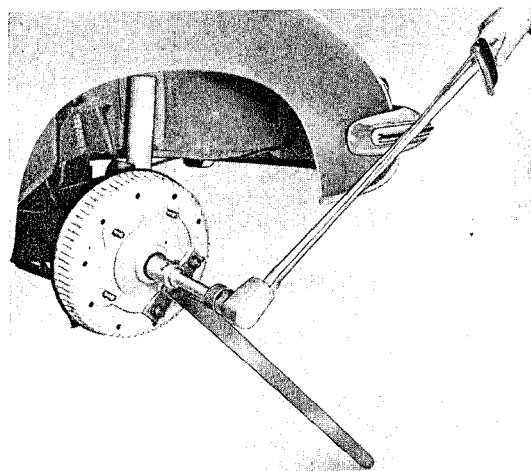
Application   Tool

Use: To hold pinion shaft while measuring the backlash of the ring and pinion gear

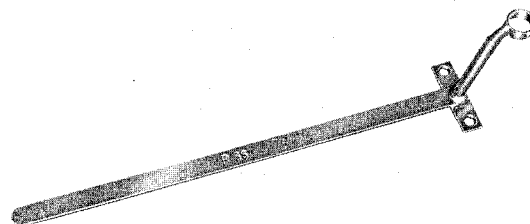**See:** Workshop Manual, group R, operation 14 RA

Subject to change

Wrench Guide and Holder | P 36
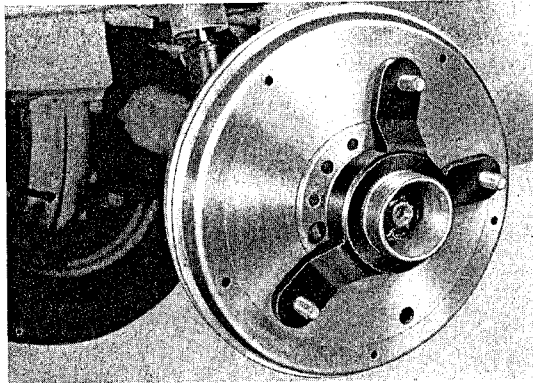
Tool

Application

Use: To loosen and tighten rear axle nuts (used with P 42, P 44, and P 44a)

See: Workshop Manual, group R ,operation 1 RA

Subject to change
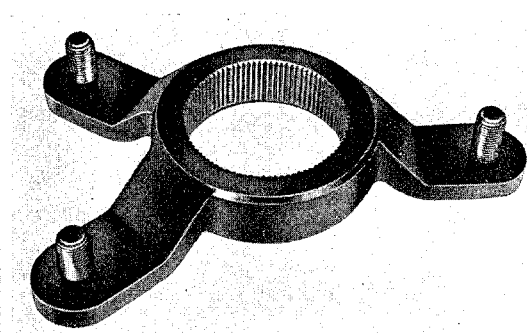
Holder   P 36a
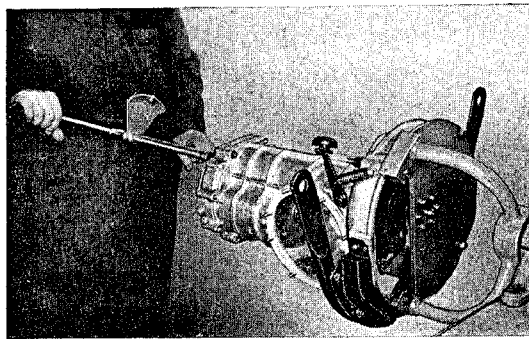

Application   Tool

Use: To loosen and tighten rear axle nuts on cars with knock-off wheels, used with P 36, P 42, P 44, and P 44a

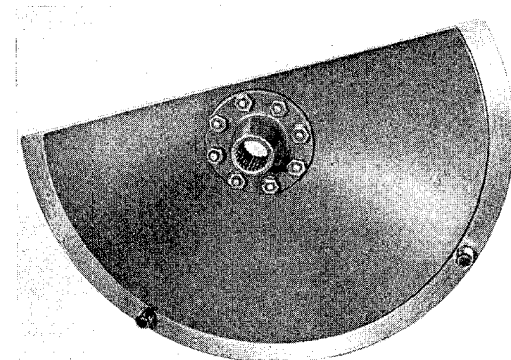See: Workshop Manual, group R, operation 1 RA

Subject to change

Holder for Main Shaft   P 37

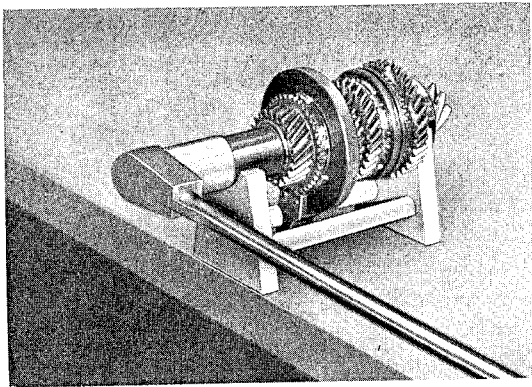Application   Tool

Use: To hold the main shaft while loosening and tightening castle nuts of the main and pinion shafts

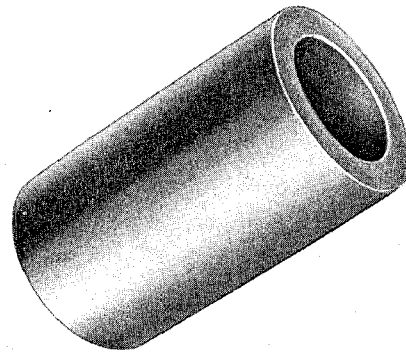See: Workshop Manual, group R, operation 2 RA

Subject to change

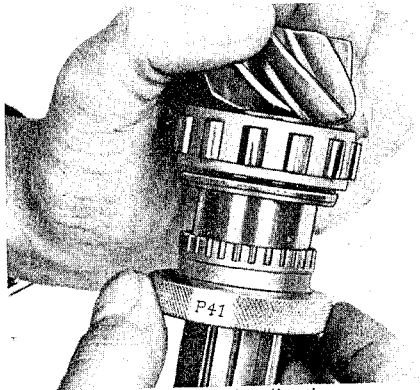| Collar (long)	P 39

Application

Tool

Use: To tighten gears and sleeves on pinion shaft
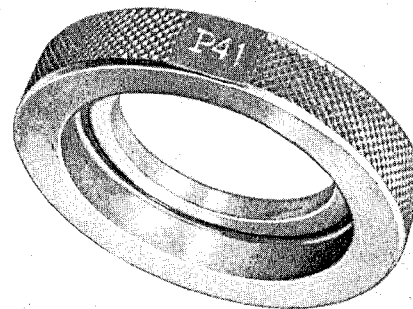
See: Workshop Manual, group R, operation 6 RA

Subject to change

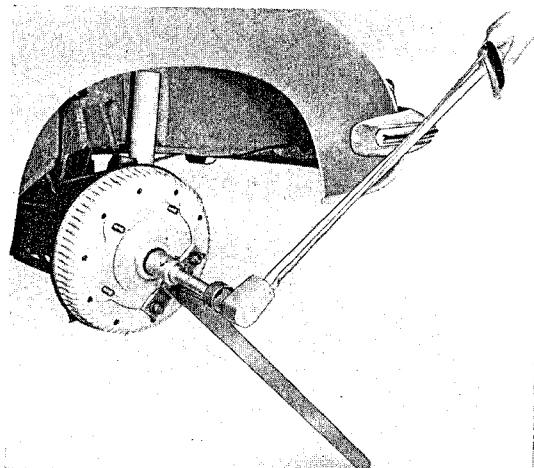| Assembly Ring	P 41

Application

Tool

Use: To install roller bearing cage and rollers on pinion shaft

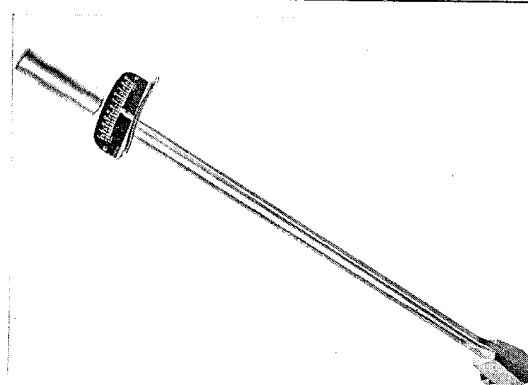**See:** Workshop Manual, group R, operation 6 RA

Subject to change

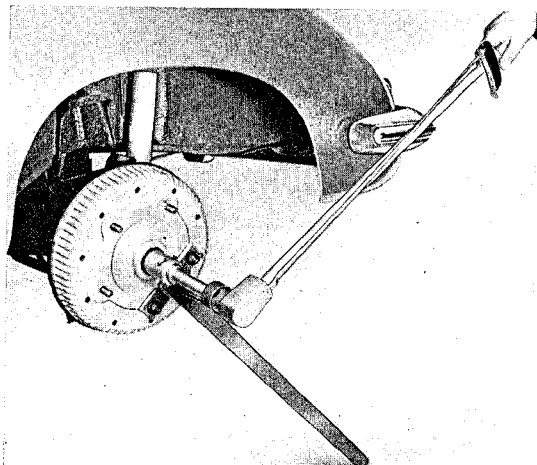| Torque Wrench (50 mkg. 360 ft. lb. cap.) | P 42 |

Application

Tool

Use: To loosen and tighten rear axle nuts, used with P 44, P 44a, and P 36

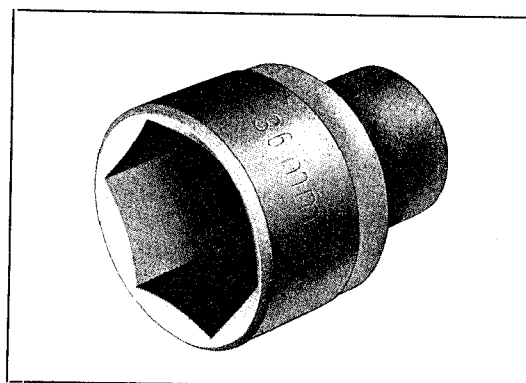**See:** Workshop Manual, group R, operation 1 RA

Subject to change

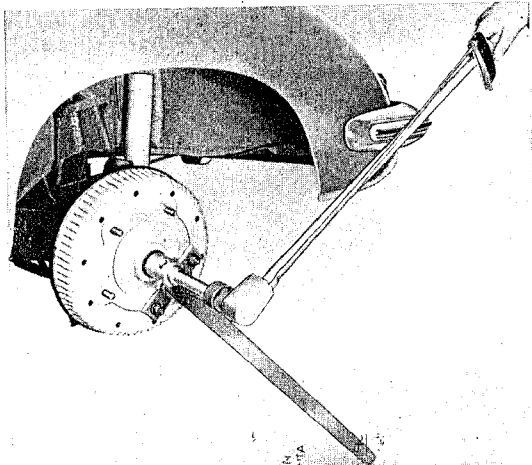| Socket 36 mm | P 44 |

Application

Tool

Use: To loosen and tighten rear axle nuts, used with P 36, P 42, and P44a

See: Workshop Manual, group R, operation 1 RA
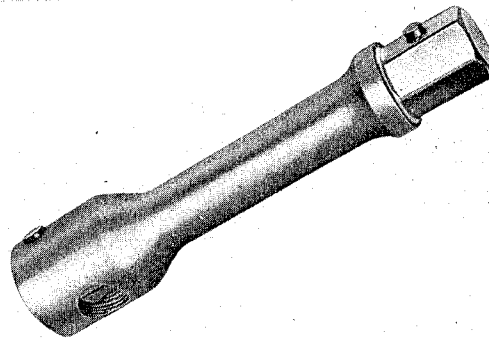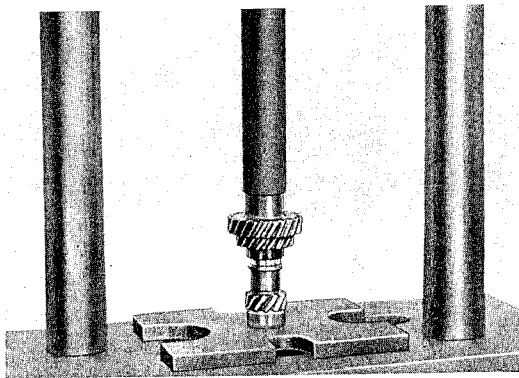
Subject to change

Socket Extension

Application

Tool

Use: To loosen and tighten rear axle nuts, used with P 36, P 42, and P 44

See: Workshop Manual, group R, operation 1 RA
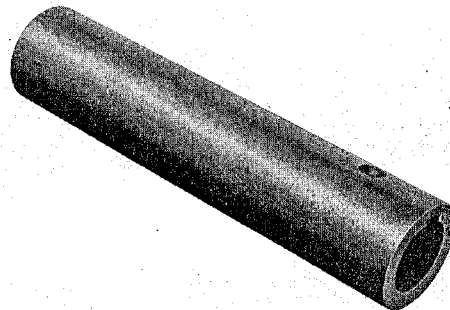
Subject to change

Tube

Application

Tool

Use: To press gears onto main shaft

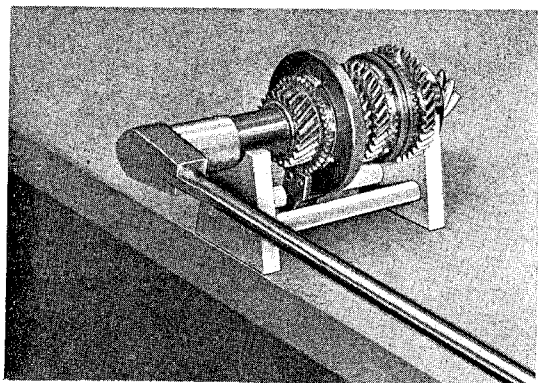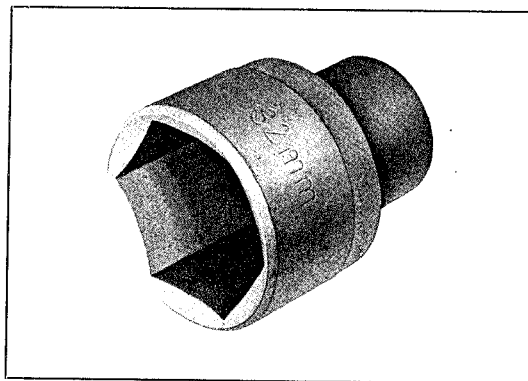See: Workshop Manual, group R, operation 7 RA

Subject to change

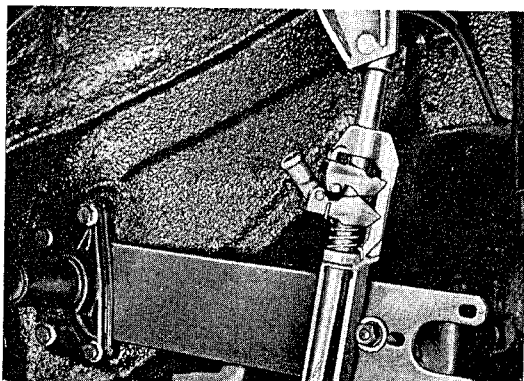| Socket 32 mm	P 46

Application

Tool

Use: To loosen and tighten castle nut on pinion shaft
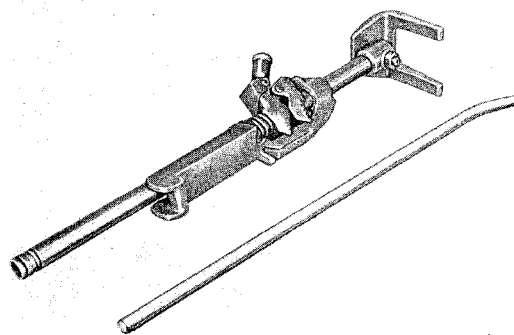
See: Workshop Manual, group R, operation 6 RA

Subject to change

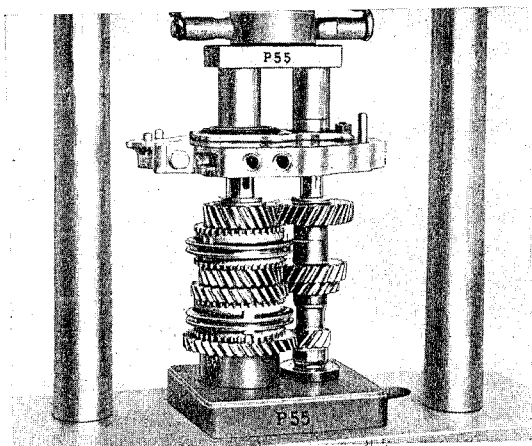| Radius Arm Jack	P 53

Application

Tool

Use: To raise radius arm for tansmission and shock absorber installation

See: Workshop Manual, group R, operation 24 RA
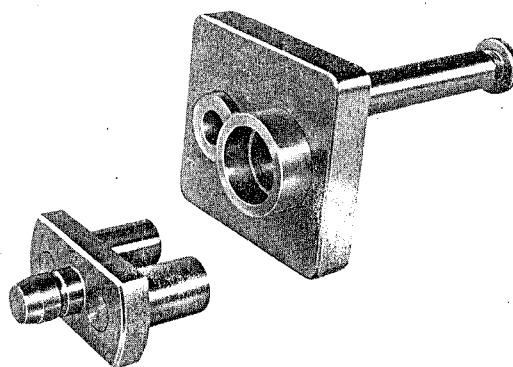
Subject to change

Press Stand

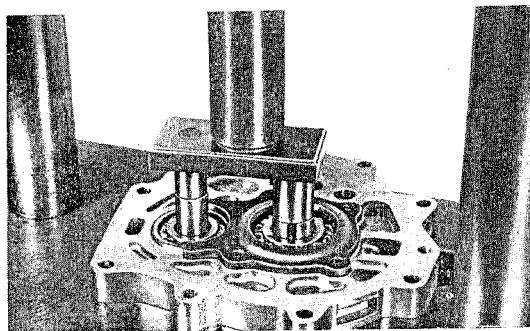Application   Tool

Use: To press intermediate plate onto main and pinion shafts

See: Workshop Manual, group R, operation 2 RA
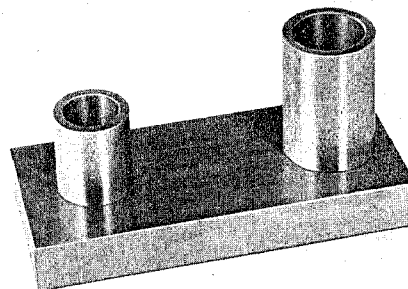
Subject to change

Press block

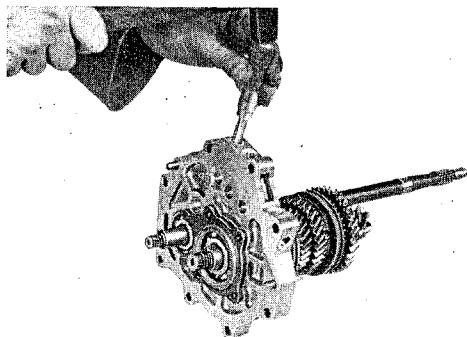Application   Tool

Use: To press main and pinion shafts out of intermediate plate
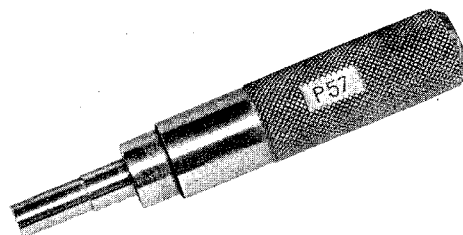
See: Workshop Manual, group R, operation 2 RA

Subject to change

Guide Pin (short) | P 57
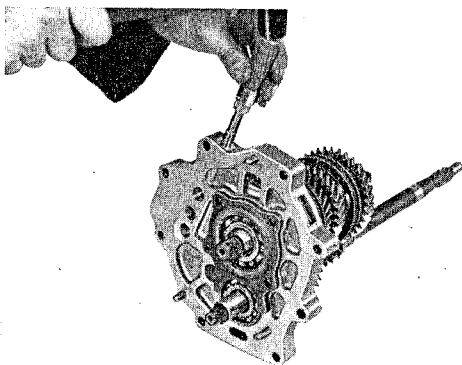
Application   Tool

Use: To install selector rod lock bushing (1st, 2nd, and reverse gear)
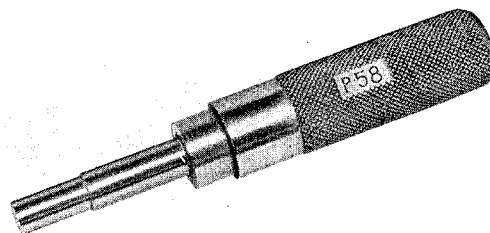
See: Workshop Manual, group R, operation 9 RA

Subject to change

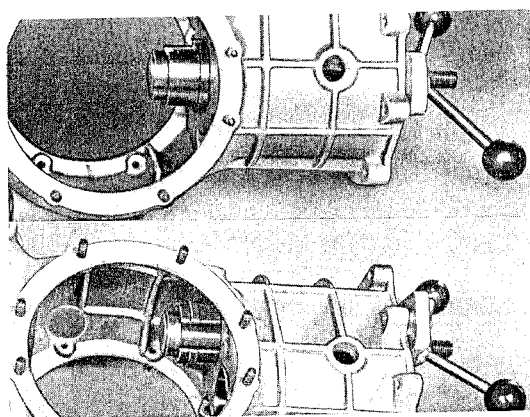## Guide Pin (long) | P 58

Application   Tool

Use: To install selector rod lock bushing (3rd and 4th gear)

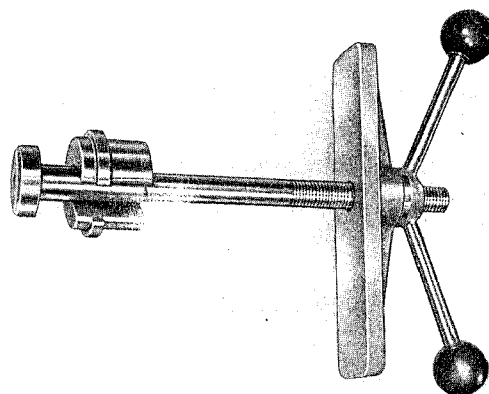**See:** Workshop Manual, group R, operation 9 RA

Subject to change

Puller	P 59

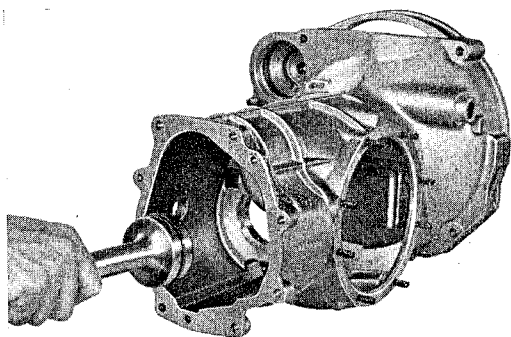Application   Tool

Use: To remove outer race of main and pinion shafts from transmission housing
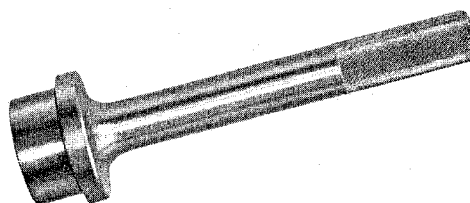
See: Workshop Manual, group R, operation 2 RA

Subject to change

Mandrel	P 60

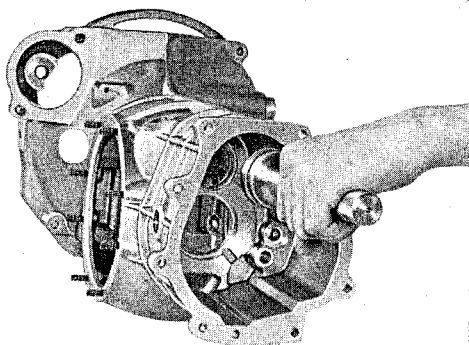Application   Tool

Use: To install roller bearing race in transmission housing (pinion shaft)

See: Workshop Manual, group R, operation 2 RA
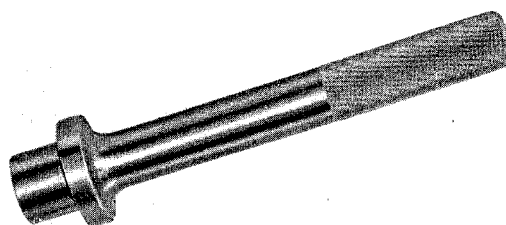
Subject to change

| Mandrel | P 61 |

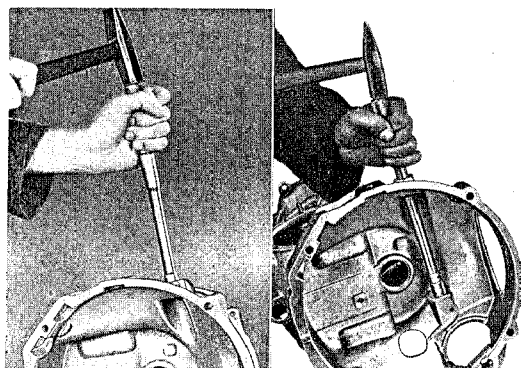Application   Tool

Use: To install roller bearing race in transmission housing (main shaft)
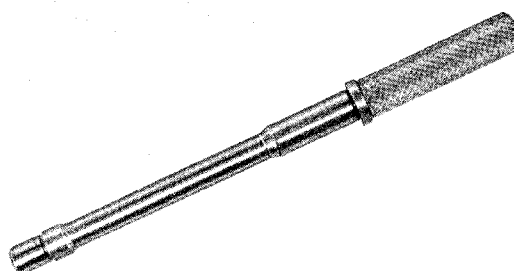
See: Workshop Manual, group R, operation 2 RA

Subject to change

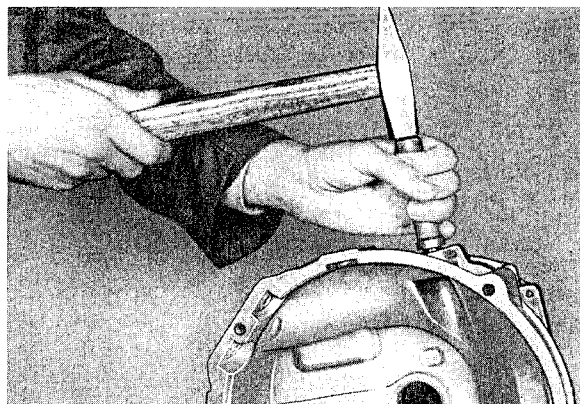| Drift | P 62 |

Application   Tool

Use: To remove or install clutch pivot shaft bushing
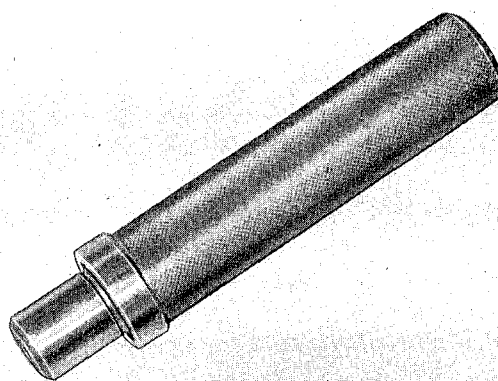
See: Workshop Manual, group R, operation 20 RA
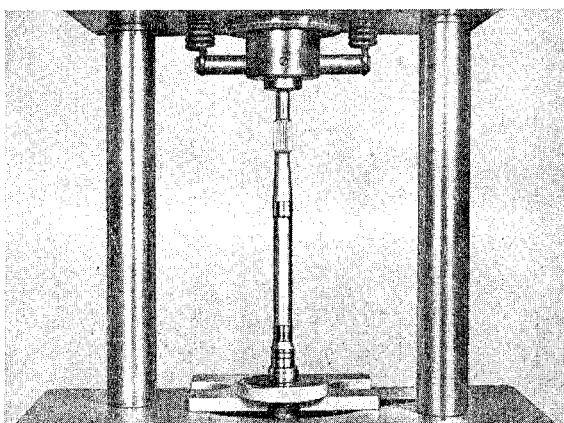
Subject to change

Mandrel

Application

Tool

Use: To install outer bushing for clutch pivot shaft

See: Workshop Manual, group R, operation 20 RA
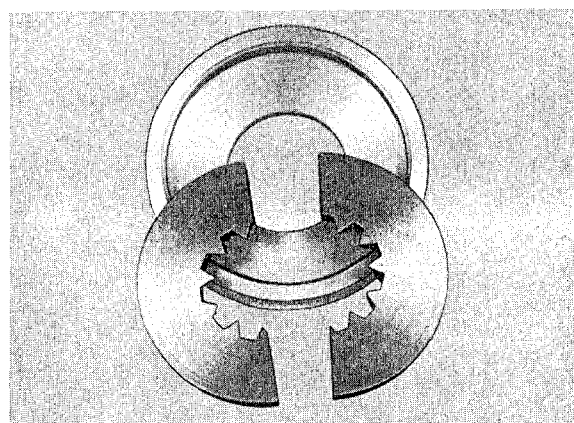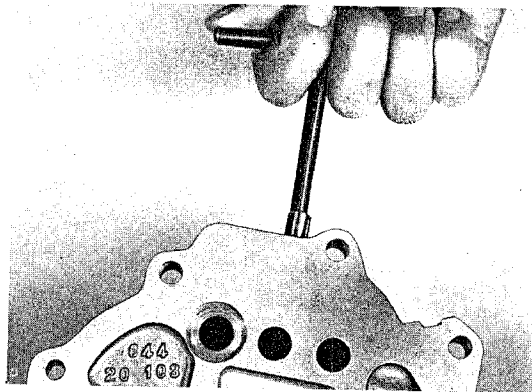
Subject to change

Plate

Application

Tool

Use: To remove inner roller bearing race from main shaft
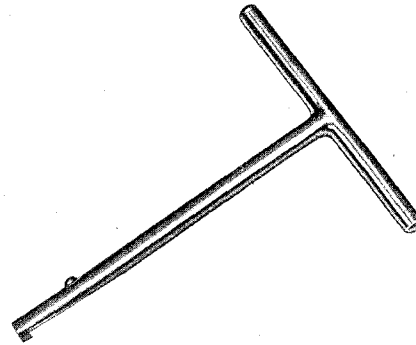
See: Workshop Manual, group R, operation 9 RA

Subject to change
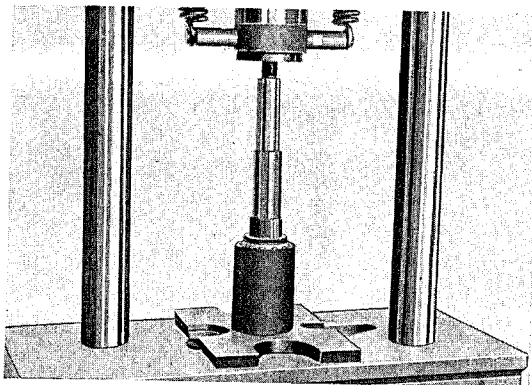
Puller

Application

Tool

Use: To remove selector rod lock bushings from intermediate plate
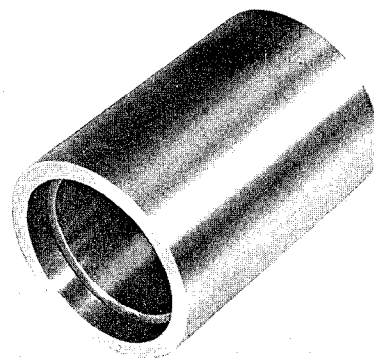
See: Workshop Manual, group R, operation 9 RA

Subject to change

Press Guide

Application

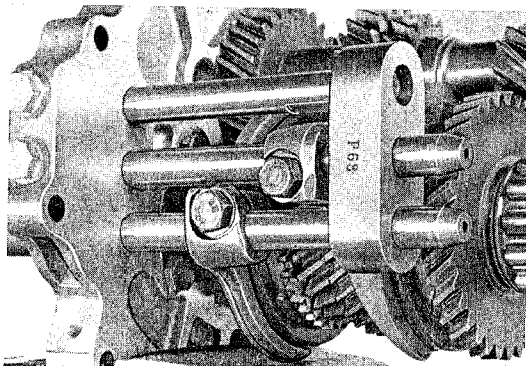Tool

Use: To remove roller bearing from pinion shaft
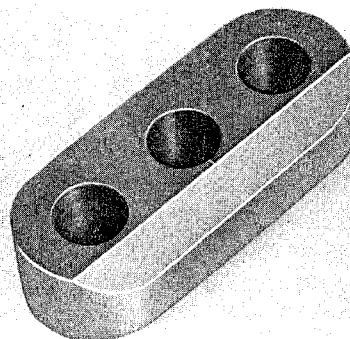
See: Workshop Manual, group R, operation 6 RA

Subject to change

Application

Tool

Use: To guide selector rods while adjusting forks

See: Workshop Manual, group R, operation 2 RA

Subject to change