

IMPORTANT — LUBRICATE



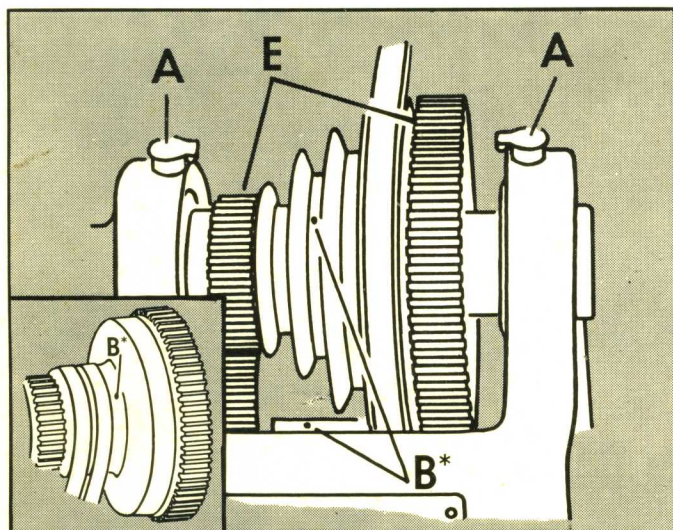
LATHE BEFORE OPERATING

LUBRICATION CHART

Sears 12-INCH METALWORKING LATHES

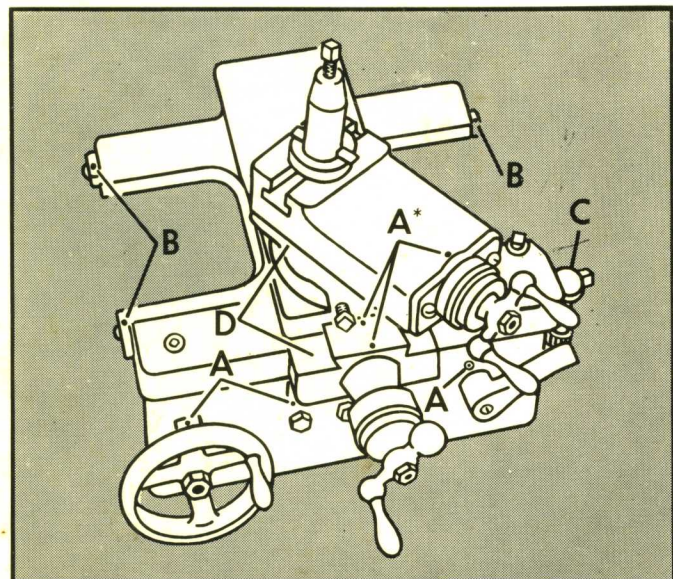
CODE

- A — OIL DAILY** with S.A.E. No. 20 oil
- B — OIL WEEKLY** with S.A.E. No. 20 oil
- C — OIL MONTHLY** with S.A.E. No. 20 oil
- D — KEEP CLEAN** and well oiled at all times
- E — LUBRICATE** gear teeth with Keystone No. 122 gear lubricant, or equivalent, to obtain smoother, more quiet operation. Remove oil and dirt before applying grease.



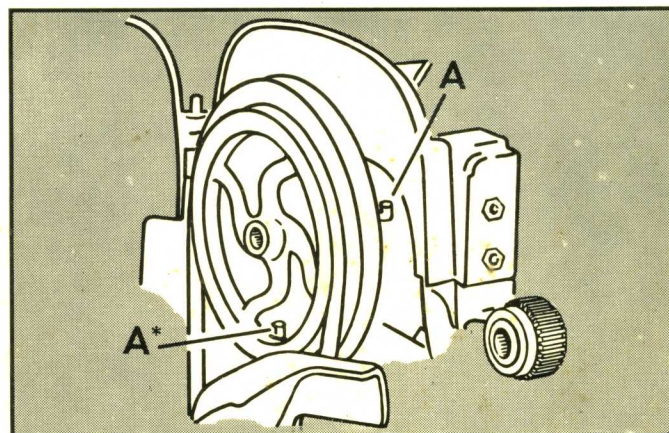
HEADSTOCK AND BACK GEARS

*Remove screw to oil bearings.



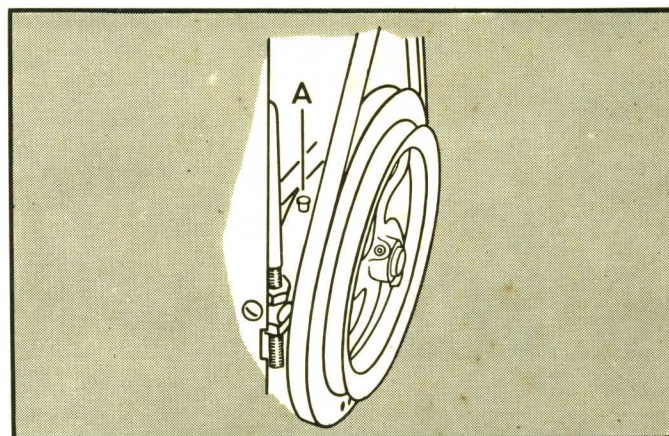
CARRIAGE

*Remove screw to oil bearings and cross feed gears.



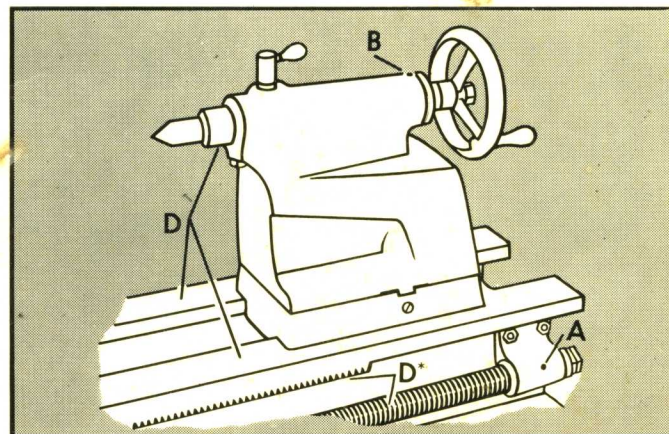
HORIZONTAL COUNTERSHAFT

*Lubricate rocker-shaft pin at this point.



UNDERNEATH DRIVE COUNTERSHAFT

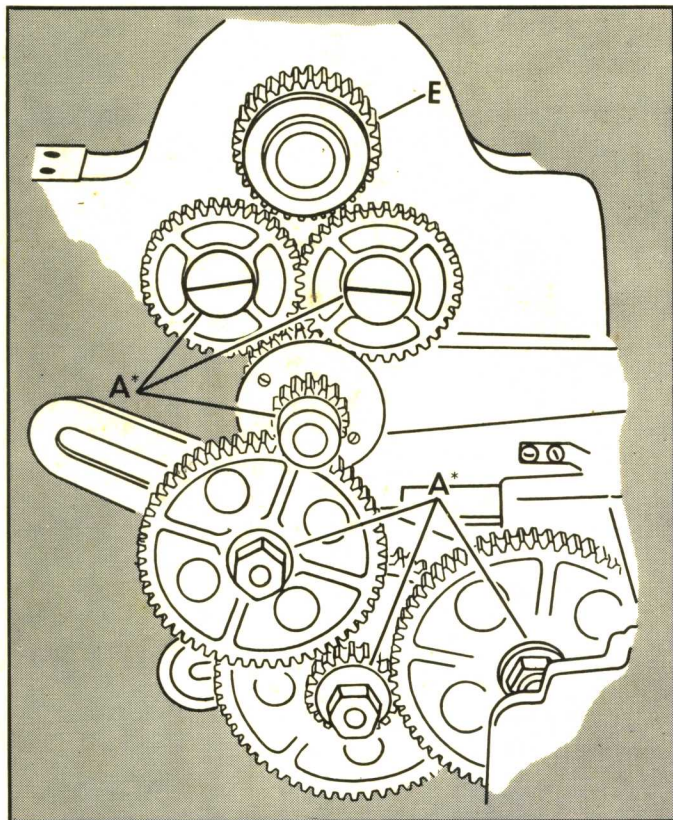
Note: Spindle drive shaft ball bearings are sealed and require no further attention.



**TAILSTOCK — LEADSCREW —
LEADSCREW BEARING — RACK**

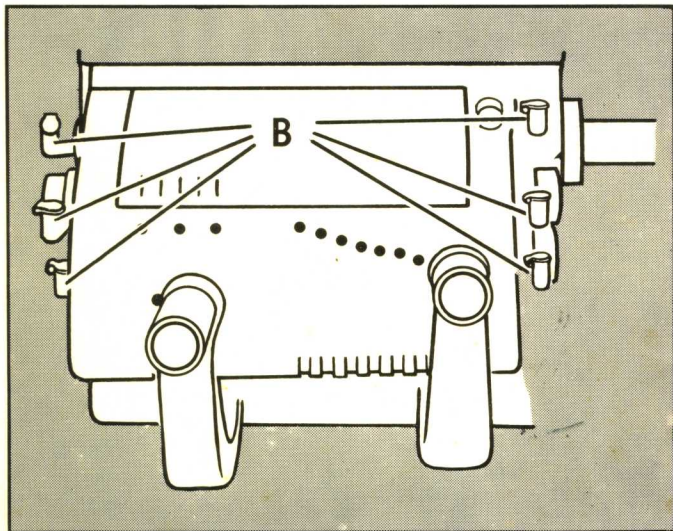
*About once a month clean with kerosene and a brush, then cover with oil.

QUICK-CHANGE LATHE



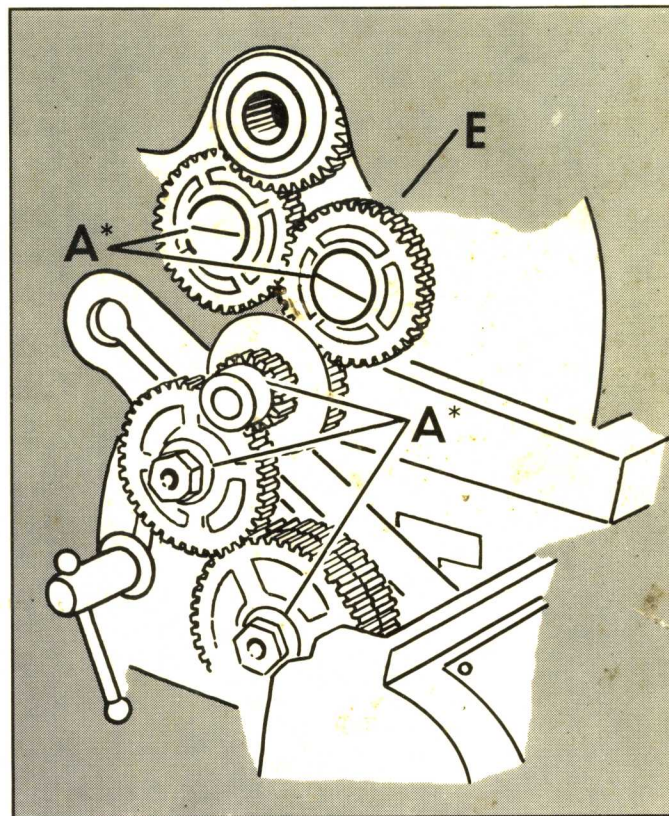
QUICK-CHANGE GEAR TRAIN

*Lubricate gear bearings at these points.



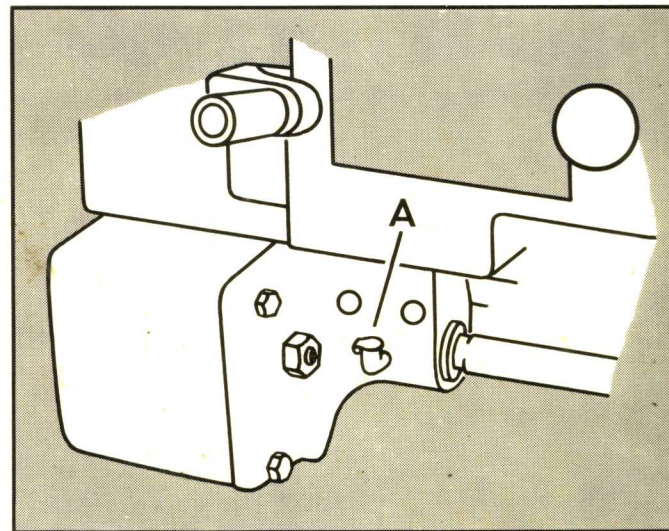
QUICK-CHANGE GEAR BOX

STANDARD CHANGE-GEAR LATHE



STANDARD GEAR TRAIN

*Lubricate gear bearings at these points.



STANDARD REVERSE GEAR BOX

KEEP YOUR LATHE CLEAN

Oil and dirt form an abrasive compound which can easily damage carefully fitted bearing surfaces. Wipe the bed and all polished parts with a clean oily rag at frequent intervals. Use a brush to clean spindle threads, gear teeth, lead screw threads, etc.