

PRIMARY DRIVE

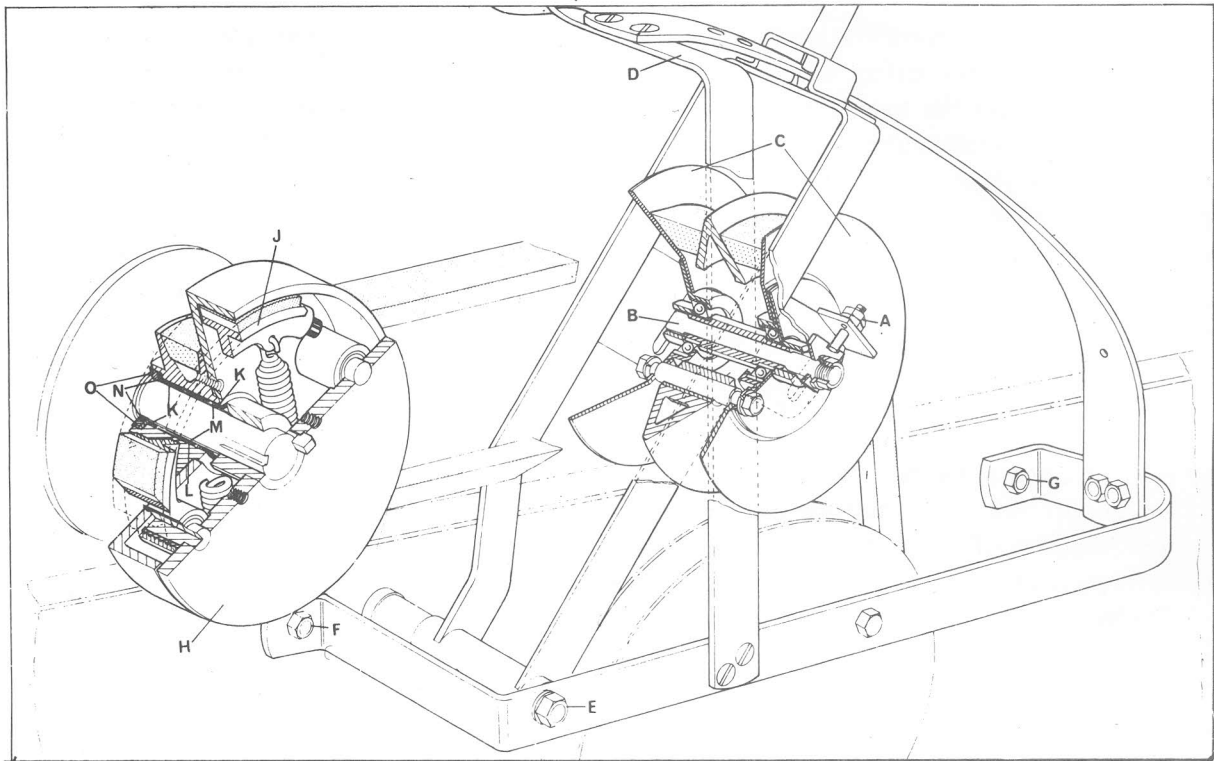


Fig. 1. Primary Drive. Marks 1 & 2. Early Type.

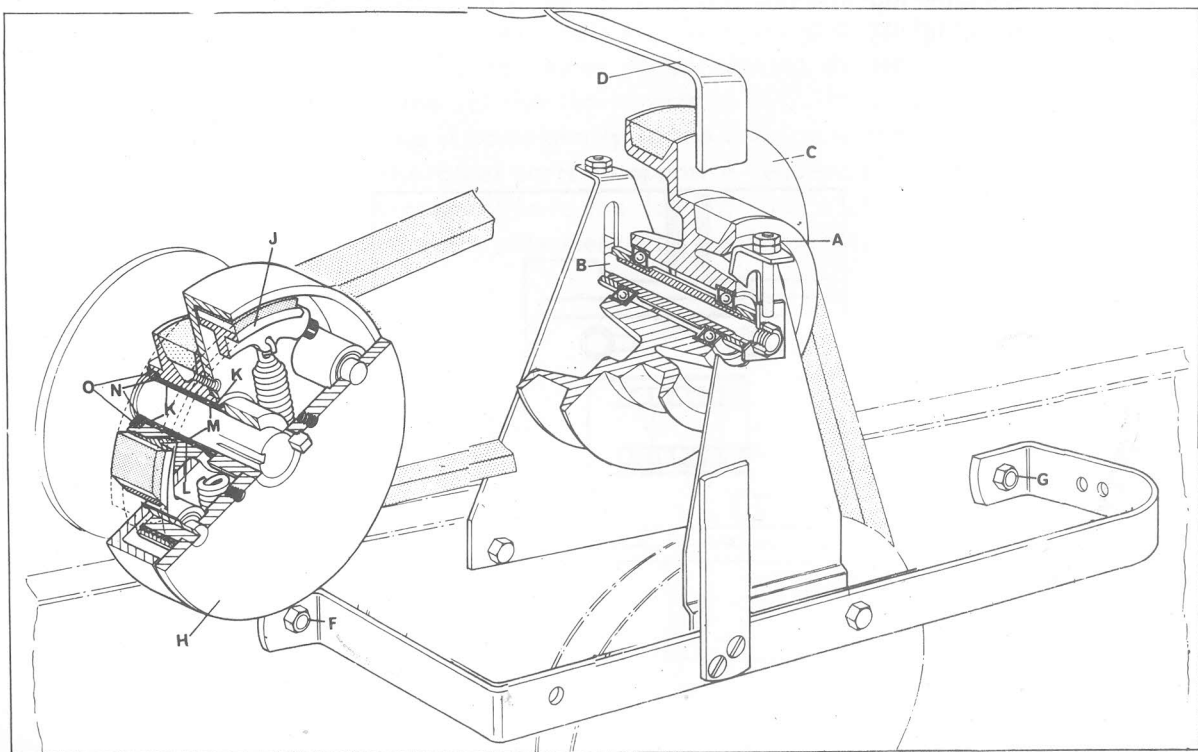


Fig. 2. Primary Drive. Mark 3.

1 TO REMOVE AND REPLACE PRIMARY DRIVE CLUTCH

Remove the guard from L. H. side of mower. Remove centre screw washer. Replace screw and draw off the clutch plate 'H' (Figs. 1 & 2) with extractor tool MO 3718T (Fig. 3). The clutch shoes 'J' can then be drawn off the plate. Inspect the linings and bushes and replace if necessary.

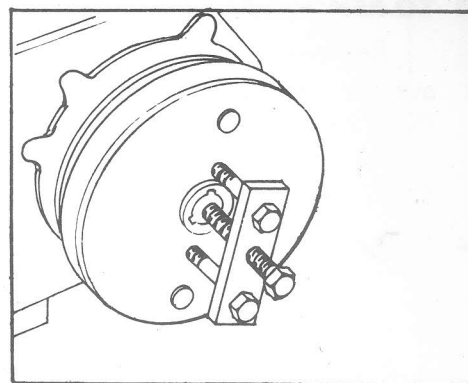


Fig. 3.

2 TO REMOVE AND REPLACE ENGINE PULLEY BEARINGS

With the variable speed control in the transport position, slacken the engine bearer bolts and turn the adjuster anti-clockwise to move the engine rearwards so that the belt can be slipped off the pulley. Remove the clutch as detailed in paragraph 1. The pulley, complete with bearings and clutch ring, can now be drawn off the engine shaft. Draw off the bearing sleeve 'M' (Figs. 1 & 2), support the pulley and drive out the oil seals 'K' and the bearing 'L'.

Prior to fitting, a new bearing should be thoroughly degreased by washing in any commercial degreasing agent to remove the 'anti-rust' storage protection. Make sure that it is perfectly dry before fitting into the pulley. The bearing should be replaced by using mandrel No MO 8587T on an arbor press or by means of the dual purpose tool No MO 8614T, in which case the bearing is drawn into its housing by tightening the nut on the screwed mandrel. Always assemble the bearing with the stamped end against the angled shoulder of the pressing-in mandrel. Pack the bearing with Shell Darina Grease R.2, for U.K., (Shell Darina Grease 2 elsewhere in the world) and insert new seals on either side.

Clean the engine shaft and the new bearing sleeve using a degreasing agent and allow to dry thoroughly. Apply one or two drops of 'Loctite' sealant GSF 5201 AD to the bore of the bearing sleeve and assemble the sleeve on the engine shaft. Note that the thinner thrust washer 'N' must be next to the pulley face and the steel washer 'O' next to the engine. Push the assembly sleeve MO 5587T through the oil seals and gradually feed the complete pulley assembly on to the engine shaft as the assembly sleeve is withdrawn.

3 TO REMOVE AND REPLACE DRIVING BELTS

With the control lever in No.1 speed position, remove the guard from the left hand side of the machine. Slacken off the adjusting nuts 'A' (Figs. 1 & 2) and remove the control bolt 'B'. Slide the pulley 'C' downwards and clear of the belts which can then be slipped off the respective pulleys and removed.

Replace in opposite sequence. Re-adjust the belt tension as explained in the Operator's Handbook.

4 TO REMOVE AND REPLACE VARIABLE PULLEY BEARINGS (Marks 1 & 2)

Remove the belts and pulleys as detailed in paragraph 2.

Early Type Pulley with Steel Outer Flanges. Adequately support the pulley and drive out the centre spindle and R.H. bearings, using a suitable stepped drift to fit the bore of the spindle. Remove four nuts from left hand side of the pulley, take off the bearing cover and remove the housing complete with bearing, which can then be drifted out. The left hand pulley flange can then be removed and the bushes in the central flange examined for wear and replaced if necessary.

Replace in reverse order. When driving the bearings home, use a hollow drift MO 5319T to avoid damage to the spindle.

LATEST TYPE WITH CAST OUTER FLANGES. Adequately support the pulley and drive out the centre spindle and right hand bearing, using a suitable stepped drift to fit the bore of the spindle. Remove four nuts from left hand side of the pulley and take off the left hand pulley flange. Remove the internal circlip from the bore of the flange, support the flange and drift out the left hand bearing. Examine the bushes in the central flange for wear and replace them if necessary.

Replace in reverse order. When driving the bearings home, use a hollow drift MO 5319T to avoid damage to the spindle. NOTE. The internal circlip is only fitted to hold the outer housing of the sealed bearing on one side.

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5 TO REMOVE AND REPLACE DOUBLE SHEAVE PULLEY BEARINGS (Mark 3)

Remove the belts and pulley as detailed in paragraph 3. Adequately support the pulley drive out the centre spindle and bearing, using a suitable stepped drift to fit the bore of the spindle. The other bearing can now be driven out.

Replace in the opposite sequence. When driving the bearings home use a hollow drift MO 5319T to avoid any damage to the spindle.

6 TO REMOVE VARIABLE DRIVE FRAME (Marks 1 & 2)

Remove the belts and pulley as detailed in paragraph 3. Detach the spring attached to the lug on the right hand pulley adjuster bracket. Remove the two screws attaching the support 'D', Fig. 1 to the steering box support. Remove the nut and washer from the pulley bracket pivot 'E'. Remove the bolts 'F' and 'G' from the bottom frame stay and the complete variable drive frame can be withdrawn.

7 TO REMOVE PRIMARY DRIVE FRAME (Mark 3)

Remove the belts and pulley as detailed in paragraph 3. Remove the screws attaching the support 'D' (Fig. 2) to the steering box support. Remove bolts 'F' and 'G' from the bottom frame stay and the complete outer frame can be withdrawn.