WATCH STAN TRUSCOTT REASON DESTITE STEEDS THE STANDARD GEARBOX

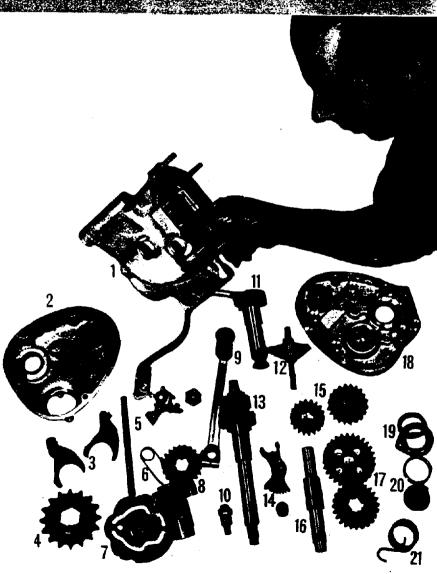
THE gearbox shown here is fitted to all the present-day heavyweight Matchless and A.J.S. machines. These include the 350 and 500 c.c. singles and all of the big twin-cylinder models. To dismantle or reassemble the A.M.C. gearbox is fairly straightforward. Although special service tools are available to carry out the work, the box can be assembled without having to use them.

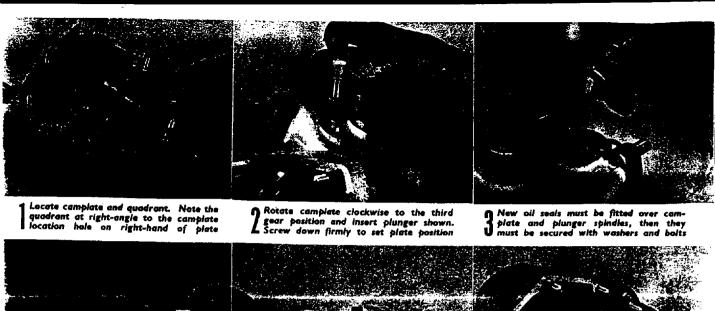
To remove the box from the frame of the motorcycle it is necessary to completely dismantle the primary drive and clutch. Once this work is complete, the top and bottom retaining and adjusting bolts are removed and the gearbox lifts out.

To dismantle the gearbox, simply reverse the picture sequence shown here. Once dismantled, check all bearings, gear pinions and dogs for wear. If any components show signs of wear and you are in doubt, don't hesitate to renew them. It is better to do the work while the unit is stripped than replace worn parts and have to dismantle the unit again at a later date.

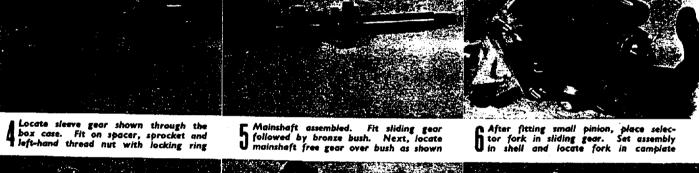
KEY TO PARTS

1, Gearbox Shell. 2, Outer Cover. 3, Selector Forks. 4, Drive Sprocket. 5, Selector Fork Rod. 6, Gearchange Return Spring. 7, Camplate. 8, Sleeve Gear. 9, Gearchange Pedal. 10, Camplate Plunger. 11, Kickstart Ratchet. 12, Gearchange Ratchet Plate. J3, Mainshaft. 14, Camplate Quadrant and Roller. 15, Gear Pinions. 16, Layshaft. 17, Gear Pinions. 18, Inner Cover. 19, Driver Sprocket Spacer, Nut and Locking Ring. 20, Clutch Operating Cover. 21, Kickstart Return Spring.















Fit mainshaft nut, ball bearing, then Engage gearchange ratchet in knuckle roller. Fit clutch body arm and roller and secure. Fit outer gasket on cover Fit pawl spring shown so that cranked leg is nearest bottom of gearbox. Fit clutch body-line slot with cable hale in outer cover. Fit kickstart spring outer cover and levers to complete job