



SPARES for ROYAL ENFIELD & AMAL

EMAIL: info@hitchcocksmotorcycles.com
WEB: www.hitchcocksmotorcycles.com

HITCHCOCK'S MOTORCYCLES LTD
ROSEMARY COURT
OLDWICH LANE WEST
CHADWICK END
SOLIHULL
B93 0EY ENGLAND

TELEPHONE: 01564 783 192
FAX: 01564 783 313

Fitting Guide for 90056 and 90057 (4 speed and 5 speed) Cast Alloy Type Clutch



Kit Includes:

- Clutch basket (alloy)
- Friction plates x 4
- Steel plates x 4
- Centre/backplate
- Front plate
- Springs x 6 (3 heavy, 3 light)
- Screws x 3
- Washers x 3
- Cap

Useful special tools:

Clutch holding tool (ST25104), Clutch centre extractor (ST25099), Engine sprocket extractor (ST25098) and Alternator Clearance gauge (98240)

Note: These instructions are to be carried in conjunction with an appropriate workshop manual.

1. Place a suitable container to catch the oil and then remove the primary chain case.
2. Back-off the primary chain tensioner
3. Remove the alternator, engine sprocket, and clutch assembly
4. Check primary chain for wear and if necessary replace
5. Lightly oil the plain metal bearing in the clutch drum
6. NOTE: the new clutch assembly does NOT use the large retaining circlip
7. Re-fit engine sprocket, primary chain, and new clutch drum
8. Tighten clutch centre nut to 40 ft/lb (4 speed engine); 50 ft/lb (5 speed engine)



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9. Refit the alternator – taking care that the air gap around the alternator is correct. Tighten alternator nut to 40 ft/lb

10. Before fitting the clutch plates soak the friction plates in primary lubrication – we recommend Automatic Transmission Fluid (ATF)

11. Locate one plain metal clutch plate in the clutch drum, followed by a friction plate – fit the remaining plates in this same alternating sequence (**Note:** The new clutch assembly does **NOT** use the two dished plates from the old style clutch)

12. Fit the clutch pad

13. Fit the 6 clutch springs, alternate one soft spring with one heavy spring (one is coloured yellow, the other plain)
14. Fit the clutch cap, 3 screws and 3 washers – at first tighten only finger tight, then fully tighten screws a little at a time with a ring or socket spanner

15. Adjust primary chain with the primary chain tensioner
16. Replace the primary chain case rubber seal or gasket – depending on engine type
17. Refit the primary chain case, tighten centre nut to no more than 10 ft/lb
18. Fill primary drive with 420 ml of ATF

19. Adjust clutch cable as required