Gearbox Bearings & Kits

Easy on-line ordering at www.minimania.com

1. a. 4 synchro layshaft single step
   pre A-plus ........................................ 22G931
   b. Competition version of above. .................. C-22AT738
2. a. 4 synchro layshaft dual step.
   A-plus ............................................ DAM3187
   b. Competition version of above. .................. C-22AT739
3. 3 synchro hi-grade layshaft. ........................................ C-22A1731

Pre A-plus gearboxes have a 14mm wide end on the mainshaft to fit the 1st motion shaft where as A-plus have a 18mm wide end to fit the 1st motion shaft. Some early A-plus and all ST original ratio straight cut laygears were made to take 3 bearings, hence kit ............ MS24
Complete gearbox rebuild kit less differential for a pre A-plus series. MS20
Complete gearbox rebuild kit with differential for a pre A-plus series. MS21

For 4 synchromesh gearboxes with 18mm wide main shaft A-plus type
Complete gearbox rebuild kit less differential A-plus with 2 bearings on laygear. ........................................ MS22
Complete gearbox rebuild kit with differential parts for A-plus as above ........................................ MS23
Complete gearbox rebuild kit less differential A-plus with 3 bearings on laygear. ........................................ MS24
The small roller bearings under 1st gear is available as AAU1815 and for 2nd or 3rd gear, available as AAU1816. These are not included because they do not often get checked or changed and are expensive. All supplied with competition lay shafts.

65mm diameter main shaft
double roller bearing. AAU1365
4 synchromesh 1st Motion shaft
single roller bearing. ADU7619

1st motion shaft
needle roller bearing for 14mm
mainshaft. CHM172
1st motion shaft
needle roller & layshaft bearing for 18mm shaft. I3H9513
Layshaft large
needle roller bearing for 20mm shaft. CHM141
Layshaft small
needle roller bearing for 16mm shaft. B8G396

3 synchromesh idler gear bearing. B8G302
4 synchromesh idler gear bearing
Pre A plus. I3H7848

4 synchromesh idler gear
Torrington bearing A plus, 1996 factory upgrade. TUK100320

1st motion shaft
nose bearing and
outer track for
clutch case. AAU8424
Clip for holding
outer track of
nose bearing in
clutch case. 2A3643
Circclip to hold
bearing on 1st
motion shaft. CCN110
Differential
roller bearing
except autos. AAU1856

4. Evolution cross pin differential, Mini
Spares have produced the same original
and unique X-Pin diff since 1994. It was
designed for powerful engines or events
where the LSD type was not allowed, or
the original differential could not cope and
would prove inadequate. Tried and tested
on RA, rally and various hill climbing
events
C-AJJ13385
5. Our own world famous Evolution limited slip diff,
designed in 1993 with the latest technology is
available as road, rally or race for the Mini
and in race form for the Sprite and Midget.

4 synchromesh idler gear conversion
bearing for A plus case to
Pre A plus idler size. DAM3745

Evolution Diffs

Kits breakdown as follows:
Above only = MSG20/22/24 (no diff parts)
Above + Left + a = MSG21 (with diff parts)
Above + Left + b = MSG23 (with diff parts)

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