



**Gearbox Bearings**

All bearings are sold individually

<p>Bearing for 1st gear (4 synchro). <b>AAU1815</b></p>		<p>Bearing for 2nd/3rd gear. (4 synchro). <b>AAU1816</b></p>	
<p>65mm diameter main shaft double roller bearing. <b>AAU1365</b></p>		<p>4 synchromesh 1st Motion shaft single roller bearing. <b>ADU7619</b></p>	
<p>1st motion shaft needle roller bearing for 14mm mainshaft. <b>CHM172</b></p>	<p>1st motion shaft needle roller &amp; layshaft bearing for 18mm shaft. <b>13H9513</b></p>	<p>Layshaft large needle roller bearing for 20mm shaft. <b>CHM141</b></p>	<p>Layshaft small needle roller bearing for 16mm shaft. <b>88G396</b></p>
<p>25.4mm diameter 3 synchromesh idler gear bearing. <b>88G302</b></p>		<p>27mm diameter 4 synchromesh idler gear bearing Pre A plus. <b>13H7848</b></p>	
<p>35mm diameter 4 synchromesh idler gear Torrington bearing A plus, 1996 factory upgrade. <b>TUK100320</b></p>		<p>35mm diameter 4 synchromesh idler conversion bearing for A plus case to Pre A plus idler size. <b>DAM3745</b></p>	
<p>1st motion shaft nose bearing and outer track for clutch case. <b>AAU8424</b></p>	<p>Clip for holding outer track of nose bearing in clutch case. <b>2A3643</b></p>	<p>Circlip to hold bearing on 1st motion shaft. <b>CCN110</b></p>	<p>Differential roller bearing except autos. <b>AHU1856</b></p>

**Layshafts**

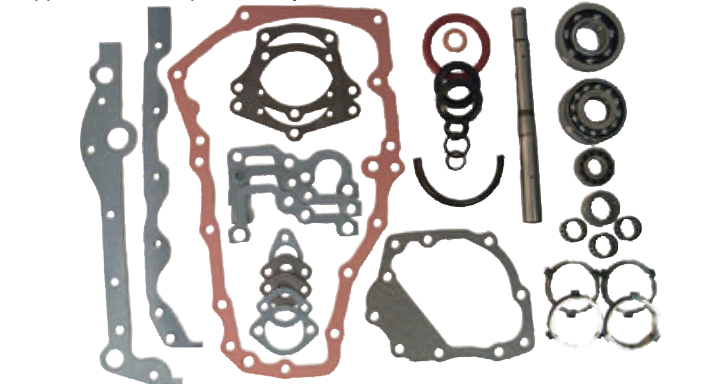
1. a. 4 synchro layshaft single step pre A-plus.....**22G931**  
b. Competition version of above.....**C-22A1738**
2. a. 4 synchro layshaft dual step. A-plus.....**DAM3187**  
b. Competition version of above.....**C-22A1739**
3. 3 synchro hi-grade layshaft.....**C-22A1731**



**Gearbox Rebuild Kits**

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.....**MSG24**  
**Complete gearbox rebuild kit less differential for a pre A-plus series. MSG20**  
**Complete gearbox rebuild kit with differential for a pre A-plus series. MSG21**

**For 4 synchromesh gearboxes with 18mm wide mainshaft A-plus type**  
**Complete gearbox rebuild kit less differential A-plus with 2 bearings on laygear.....MSG22**  
**Complete gearbox rebuild kit with differential parts for A-plus as above.....MSG23**  
**Complete gearbox rebuild kit less differential A-plus with 3 bearings on laygear.....MSG24**  
 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.



**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)

**Evolution Diffs**

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 RAC Rally and various hill climbing events  
**C-AJJ3385**
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.
  - a. Mini Race.....**C-AJJ3387**
  - b. Mini Rally.....**C-AJJ3387A**
  - c. Mini Road.....**C-AJJ3387B**
  - d. Sprite Race.....**C-BTA1226**
  - e. Sprite Rally.....**C-BTA1226A**

