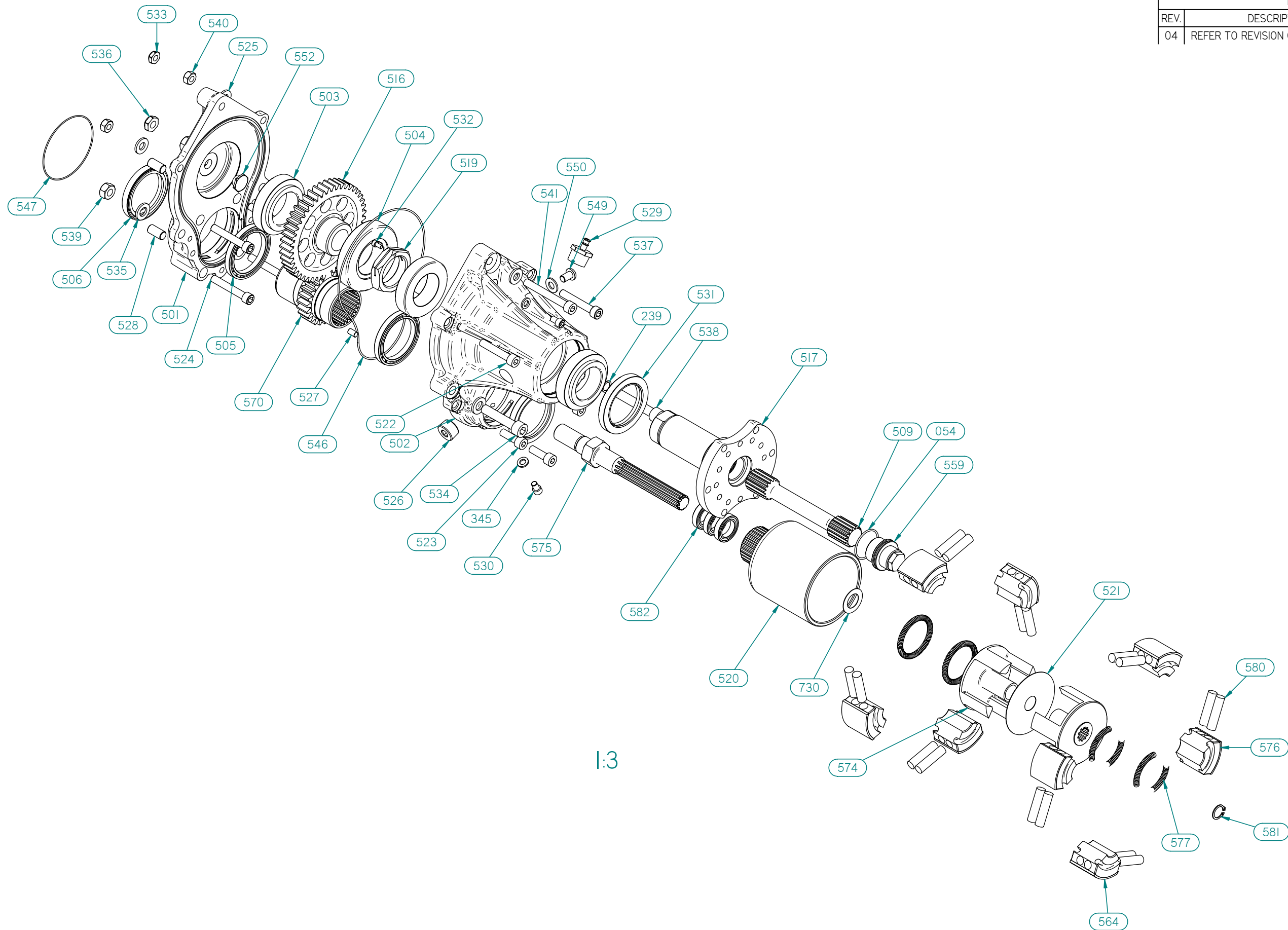


| REVISION HISTORY |                                 |           |          |
|------------------|---------------------------------|-----------|----------|
| REV.             | DESCRIPTION                     | DATE      | APPROVED |
| 04               | REFER TO REVISION CONTROL SHEET | 18 DEC 07 | WLW      |




1:3

| <small>           PROPRIETARY AND CONFIDENTIAL<br/>           THE INFORMATION CONTAINED IN THIS DRAWING IS<br/>           THE SOLE PROPERTY OF AEROTWIN MOTORS<br/>           CORPORATION. ANY REPRODUCTION IN PART OR AS<br/>           A WHOLE WITHOUT THE EXPRESS PERMISSION OF<br/>           AEROTWIN MOTORS CORPORATION IS PROHIBITED.         </small> |  |         | <small>           UNLESS OTHERWISE SPECIFIED:<br/>           INTERPRET GEOMETRIC<br/>           TOLERANCING TO ANSI Y 14.5 1994<br/>           DIMENSIONS ARE IN mm<br/>           GENERAL TOLERANCES:<br/>           1 DEC. PLACE = +0.5<br/>           2 DEC. PLACES = +0.25<br/>           3 DEC. PLACES = +0.10<br/>           ANGULAR = +0.3°<br/>           BREAK EDGES 0.3<br/>           CORNER RADII 0.3<br/>           MACHINE FINISH 125µm/3.2µm Ra<br/>           DO NOT SCALE DRAWING         </small> | <table border="1"> <tr> <th>NAME</th> <th>DATE</th> </tr> <tr> <td>DRAWN DCB</td> <td>5/18/2007</td> </tr> <tr> <td>CHECKED WLW</td> <td>5/18/2007</td> </tr> <tr> <td>ENG. APPR.</td> <td></td> </tr> <tr> <td>MFG. APPR.</td> <td></td> </tr> <tr> <td>QA</td> <td></td> </tr> </table> | NAME | DATE | DRAWN DCB   | 5/18/2007 | CHECKED WLW | 5/18/2007   | ENG. APPR. |  | MFG. APPR. |    | QA        |                        | DRAWING NO. 782 |                        |        |       |         |       |              |  |  |      |    |
|---|--|---------|---|---|------|------|---|-----------|-------------|---|------------|--|------------|----|-----------|------------------------|-----------------|------------------------|--------|-------|---------|-------|--------------|--|--|------|----|
|   | NAME   | DATE    |   |   |      |      |   |           |             |   |            |  |            |    |           |                        |                 |                        |        |       |         |       |              |  |  |      |    |
| DRAWN DCB   | 5/18/2007  |         |   |   |      |      |   |           |             |   |            |  |            |    |           |                        |                 |                        |        |       |         |       |              |  |  |      |    |
| CHECKED WLW   | 5/18/2007  |         |   |   |      |      |   |           |             |   |            |  |            |    |           |                        |                 |                        |        |       |         |       |              |  |  |      |    |
| ENG. APPR.  |  |         |   |   |      |      |   |           |             |   |            |  |            |    |           |                        |                 |                        |        |       |         |       |              |  |  |      |    |
| MFG. APPR.  |  |         |   |   |      |      |   |           |             |   |            |  |            |    |           |                        |                 |                        |        |       |         |       |              |  |  |      |    |
| QA  |  |         |   |   |      |      |   |           |             |   |            |  |            |    |           |                        |                 |                        |        |       |         |       |              |  |  |      |    |
| <table border="1"> <tr> <td>NEXT ASSY.</td> <td>USED ON</td> </tr> <tr> <td colspan="2">APPLICATION</td> </tr> </table>   | NEXT ASSY.   | USED ON | APPLICATION   |   |      |      | <table border="1"> <tr> <td>COMMENTS:</td> <td></td> </tr> </table> | COMMENTS: |             | <table border="1"> <tr> <td>TITLE</td> <td>782, Gear box 1 to 1.875 ratio and clutch exploded</td> </tr> <tr> <td>SIZE</td> <td>A2</td> </tr> <tr> <td>MATERIAL:</td> <td>REFER TO PART DRAWINGS</td> </tr> <tr> <td>CONDITION:</td> <td>REFER TO PART DRAWINGS</td> </tr> <tr> <td>SCALE:</td> <td>SHOWN</td> </tr> <tr> <td>WEIGHT:</td> <td>SHOWN</td> </tr> <tr> <td colspan="2">SHEET 1 OF 2</td> </tr> </table> | TITLE      | 782, Gear box 1 to 1.875 ratio and clutch exploded | SIZE       | A2 | MATERIAL: | REFER TO PART DRAWINGS | CONDITION:      | REFER TO PART DRAWINGS | SCALE: | SHOWN | WEIGHT: | SHOWN | SHEET 1 OF 2 |  | <table border="1"> <tr> <td>REV.</td> <td>04</td> </tr> </table> | REV. | 04 |
| NEXT ASSY.  | USED ON  |         |   |   |      |      |   |           |             |   |            |  |            |    |           |                        |                 |                        |        |       |         |       |              |  |  |      |    |
| APPLICATION   |  |         |   |   |      |      |   |           |             |   |            |  |            |    |           |                        |                 |                        |        |       |         |       |              |  |  |      |    |
| COMMENTS:   |  |         |   |   |      |      |   |           |             |   |            |  |            |    |           |                        |                 |                        |        |       |         |       |              |  |  |      |    |
| TITLE   | 782, Gear box 1 to 1.875 ratio and clutch exploded |         |   |   |      |      |   |           |             |   |            |  |            |    |           |                        |                 |                        |        |       |         |       |              |  |  |      |    |
| SIZE  | A2   |         |   |   |      |      |   |           |             |   |            |  |            |    |           |                        |                 |                        |        |       |         |       |              |  |  |      |    |
| MATERIAL:   | REFER TO PART DRAWINGS                             |         |   |   |      |      |   |           |             |   |            |  |            |    |           |                        |                 |                        |        |       |         |       |              |  |  |      |    |
| CONDITION:  | REFER TO PART DRAWINGS                             |         |   |   |      |      |   |           |             |   |            |  |            |    |           |                        |                 |                        |        |       |         |       |              |  |  |      |    |
| SCALE:  | SHOWN  |         |   |   |      |      |   |           |             |   |            |  |            |    |           |                        |                 |                        |        |       |         |       |              |  |  |      |    |
| WEIGHT:   | SHOWN  |         |   |   |      |      |   |           |             |   |            |  |            |    |           |                        |                 |                        |        |       |         |       |              |  |  |      |    |
| SHEET 1 OF 2  |  |         |   |   |      |      |   |           |             |   |            |  |            |    |           |                        |                 |                        |        |       |         |       |              |  |  |      |    |
| REV.  | 04   |         |   |   |      |      |   |           |             |   |            |  |            |    |           |                        |                 |                        |        |       |         |       |              |  |  |      |    |

| Manifest No. | Title                             | Material   | Quantity |
|--------------|-----------------------------------|--|----------|
| 054          | O-Ring, 33.0ID X 1.78mm           | AS 568-027, Viton or Silicon   | 1        |
| 239          | M10 Banjo Washer                  | Aluminum   | 1        |
| 345          | 1/4" Washer Fibre                 | Fibre  | 2        |
| 501          | Gear Box Case, Back               | Aluminum A356.0 - T6   | 1        |
| 502          | Gear Box Case, Front              | Aluminum A356.0 - T6   | 1        |
| 503          | Taper Roller Bearing, 32008 X     | Steel  | 3        |
| 504          | Taper Roller Bearing, 30208       | Steel  | 1        |
| 505          | Bearing SKF 61810                 | Steel  | 2        |
| 506          | Gear Box Seal, 50x65x8, HMSA7 R   | Nitrile Rubber   | 2        |
| 509          | Splined Shaft                     | SUP6 Spring Steel-quenched @ 870C,tempered @ 480C & quenched in Quindella 32 | 1        |
| 516          | Output Gear, 45T                  | Steel  | 1        |
| 517          | Final Output Shaft                | 9310 Steel   | 1        |
| 519          | 1-1/2 -18 UNEF Nut                | 4340 Steel   | 1        |
| 520          | Thrust Plate                      | Brass  | 1        |
| 521          | Thrust Plate Large                | Brass  | 1        |
| 522          | SHCS, M8 X 1.25 X 45              | Steel Grade 12.9   | 1        |
| 523          | SHCS, M8 x 1.25 x 25              | Steel Grade 12.9   | 3        |
| 524          | SHCS, 5/16-18 UNC x 2.0           | Steel Grade 12.9   | 4        |
| 525          | Washer, M8 narrow                 | Steel  | 3        |
| 526          | Oil Drain Plug                    | Brass, yellow brass  | 1        |
| 527          | Dowel 6 x 10mm                    | Mild Steel   | 2        |
| 528          | Dowel 10mm x 20                   | 4130 Steel   | 2        |
| 529          | Oil Filler Plug                   | Machined Stainless Steel   | 1        |
| 530          | SHCS 1/4-20 UNC x 0.375"          | Steel Grade 8.8  | 2        |
| 531          | Gear Box Seal, 50x70x8, HMS4 R    | Nitrile Rubber   | 1        |
| 532          | SHCS M4 x 0.7 x 8                 | Steel Grade 12.9   | 1        |
| 533          | Nut, M8 x 1.25 Nyloc              | Steel Grade 8.8  | 1        |
| 534          | SHCS, M10 x 1.5 x 50              | Steel Grade 12.9   | 1        |
| 535          | Washer, M10 SAE                   | Mild Steel   | 4        |
| 536          | Nut, M10 x 1.5 Nyloc              | Steel Grade 8.8  | 1        |
| 537          | SHCS, M8 x 1.25 x 50              | Steel Grade 12.9, Copper Plated  | 1        |
| 538          | SHCS, M10 x 1.5 x 60              | Steel Grade 12.9, Copper plated  | 1        |
| 539          | Nut, M10 x 1.5                    | Steel Grade 10.9   | 2        |
| 540          | Nut, M8 x 1.25                    | Steel Grade 10.9   | 2        |
| 541          | SHCS, M8 x 1.25 x 65mm            | Steel Grade 12.9   | 1        |
| 546          | O-Ring, Gear Box, 1.78mm x 163 ID | N70 Nitrile  | 1        |
| 547          | O-Ring, 1.25mm x 76.0 ID          | N70 Nitrile  | 1        |
| 549          | BHSCS 5/16-18 UNC x 1/2"          | Steel Grade 12.9   | 1        |
| 550          | Washer, 5/16 inch, SAE            | Fibre  | 1        |
| 552          | Thrust bolt                       | Steel, grade 8 bolt  | 1        |
| 559          | Output flange boss                | Steel  | 1        |
| 564          | 564, Clutch friction fibre        | Phenolic   | 8        |
| 570          | Input Gear, 24T-for clutch        | 9310 Steel, Case Hardened  | 1        |
| 572          | Clutch drum                       | Steel, 4130  | 1        |
| 574          | 574, Clutch carrier               | Steel, 9310  | 2        |
| 575          | 575, Clutch shaft                 | Steel, 4130  | 1        |
| 576          | 576, Clutch shoe                  | Steel 9310   | 8        |
| 577          | Garter spring- large assembled    | Stainless steel  | 4        |
| 580          | Tungstone insert                  | Tungstone HD-17BB  | 16       |
| 581          | 15mm ext circlip                  | Steel  | 1        |
| 582          | Bearing 2RS                       | 61804  | 3        |

| REVISION HISTORY |                                 |           |          |
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| Drawing Revision Control: |           |        |     |  |
|---------------------------|-----------|--------|-----|--|
| Rev.                      | Date      | Mod by | Ckd | Description  |
| 00                        | 27 MAR 07 | PJM    | WLW | NEW DRAWING  |
| 01                        | 18 MAY 07 | PJM    | WLW | TITLE WAS I:2.136  |
| 02                        | 09 JUL 07 | DCB    | WLW | PARTS #520 AND #521 ADDED TO ASSEMBLY. PARTS LIST MOVED TO DRAWING SHEET 2. #540, NUT M8 WAS INCORRECTLY SHOWN AS #526, NUT M8 |
| 03                        | 19 OCT 07 | DCB    | WLW | PART 522 WAS M8 X 1.25 X 35. PART 578 GARTER SPRING DELETED (4 OFF)  |
| 04                        | 18 DEC 07 | DCB    | WLW | SPRING RETENTION GROOVE DELETED FROM PART 576. CLUTCH SHOE REF: 765, CLUTCH SHOE ASSEMBLY.                                     |
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| <small>APPLICATION</small><br><br>   |  | <small>SCALE: SHOWN</small><br><small>WEIGHT: SHOWN</small>   | <small>REV.</small><br><b>04</b><br><br><small>SHEET 2 OF 2</small>   |