





# ZF3/4-HP22, ZF4-HP24 (RWD 3 & 4-Speed)

| ILL. NO.   | PART NUMBER                    | PER CAR | DESCRIPTION  | YEARS   |
|--|--------------------------------|---------|--|---------|
| <b>TECHNICAL MANUALS</b>   |                                |         |  |         |
|  | <b>TMZF4-22</b>                |         | Technical Manual .....   | 1984-02 |
| <b>REBUILDER BOX KITS</b>  |                                |         |  |         |
| ---  | <b>K7800A-S</b>                |         | Master Kit (w/o Steels) ..... <b>3HP-22</b> .....  | 1976-85 |
| ---  | <b>K7800C-S<sup>2</sup></b>    |         | Master Kit (w/o Steels) ..... <b>4HP-22</b> .....  | 1984-02 |
| ---  | <b>K7800CG-S<sup>1,2</sup></b> |         | Master Kit w/o Steels ( <b>OEM Contents</b> ) ..... <b>4HP-22</b> .....                                | 1984-02 |
| ---  | <b>K7800E-S</b>                |         | Master Kit (w/o Steels) ..... <b>4HP-24</b> .....  | 1988-02 |
| ---  | <b>K7800EG-S<sup>1</sup></b>   |         | Master Kit w/o Steels ( <b>OEM Contents</b> ) ..... <b>4HP-24</b> .....                                | 1988-02 |
| <b>Steel Plate Sub-Kits:</b>   |                                |         |  |         |
| ---  | <b>K7800A-9</b>                |         | Steel Plate Kit ..... <b>3HP-22</b> .....  | 1976-85 |
| ---  | <b>K7800C-9<sup>3</sup></b>    |         | Steel Plate Kit ..... <b>4HP-22</b> .....  | 1984-02 |
| ---  | <b>K7800E-9</b>                |         | Steel Plate Kit ..... <b>4HP-24</b> .....  | 1988-02 |
| <b>OVERHAUL KITS</b>   |                                |         |  |         |
| ---  | <b>K78900A</b>                 |         | Overhaul Kit ..... <b>3HP-22</b> .....   | 1976-85 |
| ---  | <b>K78900D</b>                 |         | Overhaul Kit ..... <b>4HP-22/24</b> .....  | 1984-02 |
| ---  | <b>K78900DG<sup>1</sup></b>    |         | Overhaul Kit ( <b>OEM Contents</b> ) ..... <b>4HP-22/24</b> .....                                      | 1984-02 |
| <sup>1</sup> OEM-Made Overhaul Kit Contains Viton Governor Rings, 4 Valve Body Gaskets, Sealing Ring Kit, Metal Clad Seals, Paper, and Rubber Set.<br><sup>2</sup> For Range Rover, please order (1) <b>78304</b> , (1) <b>78321</b> and (5) <b>78302</b> separately.<br><sup>3</sup> For Range Rover, please order (1) <b>78305</b> and (5) <b>78322C</b> separately. |                                |         |  |         |
| <b>GASKET AND RUBBER COMPONENTS</b>  |                                |         |  |         |
| 1E   | <b>78170G</b>                  | 1       | Oil Pan Rubber Seal ..... <b>3HP-22</b> .....  | 1976-85 |
| 1E   | <b>78170CG</b>                 | 1       | Oil Pan Rubber Seal ..... <b>4HP 22/24 exc. Porsche</b> .....  | 1984-02 |
| 1E   | <b>78170PG</b>                 | 1       | Oil Pan Rubber Seal ..... <b>Porsche</b> .....   | 1990-02 |
| ---  | <b>78120</b>                   | 1       | Oil Filter Gasket ..... <b>3HP</b> .....   | 1960-85 |
| ---  | <b>78120C</b>                  | 1       | Filter O'Ring ..... <b>4HP</b> .....   | 1984-02 |
| <b>CLUTCH PLATES</b>   |                                |         |  |         |
| 10A  | <b>78304</b>                   | 4-6     | Forward (A) Friction ( <b>3/4HP-22</b> ) ..... <b>34T, .061" - 3.931" O.D.</b> .....                   | 1976-02 |
| 10A  | <b>78310</b>                   | 6       | Forward (A) Friction ( <b>HP-24</b> ) ..... <b>40T, .061" - 5.039" O.D.</b> .....                      | 1988-02 |
| 11A  | <b>78305</b>                   | 5-7     | Forward (A) Steel ( <b>3/4HP-22</b> ) ..... <b>24T, .071" - 3.000" I.D.</b> .....                      | 1976-02 |
| 11A  | <b>78309</b>                   | 7       | Forward (A) Steel ( <b>HP-24</b> ) ..... <b>24T, .083" - 4.045" I.D.</b> .....                         | 1988-02 |
| 11A  | <b>78305B</b>                  | 2       | Forward (A) Waved Steel ( <b>3/4HP-22</b> ) ..... <b>24T, .040" - 3.000" I.D.</b> .....                | 1976-02 |
| 11A  | <b>78309B</b>                  | 2       | Forward (A) Waved Steel ( <b>HP-24</b> ) ..... <b>24T, .055" - 4.218" O.D.</b> .....                   | 1988-02 |
| 13B  | <b>78307</b>                   | 3-5     | Direct (B) Friction ( <b>3/4HP-22/24</b> ) ..... <b>24T, .059" - 5.620" O.D.</b> .....                 | 1976-02 |
| 14B  | <b>78322</b>                   | 3-5     | Direct (B) Steel ( <b>3/4HP-22/24</b> ) ..... <b>12T, .071" - 4.693" I.D.</b> .....                    | 1976-02 |
| 14B  | <b>78322C</b>                  | 4-5     | Direct (B) Steel ( <b>HP-22/24</b> ) ..... <b>12T, .082" - 4.693" I.D.</b> .....                       | 1984-02 |
| 15B  | <b>78307</b>                   | 2       | Intermediate (C) Friction ( <b>3/4HP-22</b> ) ..... <b>24T, .059" - 5.620" O.D.</b> .....              | 1976-02 |
| 15B  | <b>78321</b>                   | 3       | Intermediate (C) Friction ( <b>HP-24</b> ) ..... <b>48T, .059" - 5.620" O.D.</b> .....                 | 1988-02 |
| 16B  | <b>78322</b>                   | 2       | Intermediate (C) Steel ( <b>3/4HP-22</b> ) ..... <b>12T, .071" - 4.693" I.D.</b> .....                 | 1976-02 |
| 16B  | <b>78322C</b>                  | 3       | Intermediate (C) Steel ( <b>HP-24</b> ) ..... <b>12T, .082" - 4.693" I.D.</b> .....                    | 1988-02 |
| 18B  | <b>78307</b>                   | 1-2     | Intermediate Overrun (C <sup>1</sup> ) Friction <b>3/4(HP-22) 24T, .059" - 5.620" O.D.</b> .....       | 1976-02 |
| 18B  | <b>78321</b>                   | 2       | Intermediate Overrun (C <sup>1</sup> ) Friction ( <b>HP-24</b> ) <b>48T, .059" - 5.620" O.D.</b> ..... | 1988-02 |
| 19B  | <b>78322</b>                   | 1-2     | Intermediate Overrun (C <sup>1</sup> ) Steel ( <b>3/4HP-22</b> ) <b>12T, .071" - 4.693" I.D.</b> ..... | 1976-02 |
| 19B  | <b>78322C</b>                  | 2       | Intermediate Overrun (C <sup>1</sup> ) Steel ( <b>HP-24</b> ) <b>12T, .082" - 4.693" I.D.</b> .....    | 1988-02 |

# ZF3/4-HP22, ZF4-HP24 (RWD 3 & 4-Speed)

| ILL. NO.   | PART NUMBER    | PER CAR | DESCRIPTION  | YEARS   |
|--|----------------|---------|--|---------|
| <b>CLUTCH PLATES - Cont'd.</b>   |                |         |  |         |
| 20B  | <b>78321</b>   | 3-4     | Low/Reverse (D) Friction (3/4HP-22) ..... 48T, .059" - 5.620" O.D. ....      | 1976-02 |
| 20B  | <b>78302</b>   | 5       | Low/Reverse (D) Friction (HP-24) ..... 58T, .061" - 5.620" O.D. ....         | 1988-02 |
| 21B  | <b>78322</b>   | 3-4     | Low/Reverse (D) Steel (3/4HP-22) ..... 12T, .071" - 4.693" I.D. ....         | 1976-02 |
| 21B  | <b>78303</b>   | 6       | Low/Reverse (D) Steel (HP-24) ..... 12T, .047" - 4.810" I.D. ....            | 1988-02 |
| 21B  | <b>78303A</b>  | AR      | Low/Reverse (D) Steel (HP-24) ..... 12T, .059" - 4.810" I.D. ....            | 1988-02 |
| 21B  | <b>78303B</b>  | AR      | Low/Reverse (D) Steel (HP-24) ..... 12T, .071" - 4.810" I.D. ....            | 1988-02 |
| 21B  | <b>78303C</b>  | AR      | Low/Reverse (D) Steel (HP-24) ..... 12T, .083" - 4.810" I.D. ....            | 1988-02 |
| <b>Selective Plates for ZF4HP-22/24 (B, C, C', &amp; D Packs) Except D Pack on ZF4HP-24.</b> |                |         |  |         |
| ---  | <b>78322</b>   | AR      | Selective Steel ..... 12T, .071" - 4.693" I.D. ....                          | 1984-02 |
| ---  | <b>78322A</b>  | AR      | Selective Steel ..... 12T, .047" - 4.693" I.D. ....                          | 1984-02 |
| ---  | <b>78322B</b>  | AR      | Selective Steel (Waved) ..... 12T, .047" - 4.693" I.D. ....                  | 1984-02 |
| ---  | <b>78322C</b>  | AR      | Selective Steel ..... 12T, .082" - 4.693" I.D. ....                          | 1984-02 |
| ---  | <b>78322D</b>  | AR      | Selective Steel ..... 12T, .060" - 4.693" I.D. ....                          | 1984-02 |
| ---  | <b>78322F</b>  | AR      | Selective Steel ..... 12T, .150" - 4.963" I.D. ....                          | 1984-02 |
| 23D  | <b>78310</b>   | 4       | Input (E) Friction (HP-22/24) ..... 40T, .061" - 5.039" O.D. ....            | 1984-02 |
| 24D  | <b>78311</b>   | 4-5     | Input (E) Steel (HP-22/24) ..... 24T, .059" - 4.218" I.D. ....               | 1984-02 |
| 25D  | <b>78310</b>   | 3-4     | Overdrive (F) Friction (HP-22/24) ..... 40T, .061" - 5.039" O.D. ....        | 1984-02 |
| 26D  | <b>78309</b>   | 4-5     | Overdrive (F) Steel (HP-22/24) ..... 24T, .083" - 4.045" I.D. ....           | 1984-02 |
| <b>METAL CLAD SEALS</b>  |                |         |  |         |
| 30A  | <b>78526A</b>  | 1       | Front Pump ..... All ..... 1976-02   | 1976-02 |
| 31E  | <b>78551A</b>  | 1       | Extension Housing ..... Exc. Continental ..... 1976-02                       | 1976-02 |
| 31E  | <b>66551A</b>  | 1       | Extension Housing (w/o Boot) ..... Continental ..... 1984-85                 | 1984-85 |
| <b>BUSHINGS</b>  |                |         |  |         |
| 40A  | <b>78005A</b>  | 1       | Front Pump ..... Narrow - .520" ..... 1976-02                                | 1976-02 |
| 40A  | <b>78005B</b>  | 1       | Front Pump ..... Wide - .665" ..... 1984-02                                  | 1984-02 |
| 41A  | <b>78003A</b>  | 1       | Forward Clutch Cylinder ..... 1976-02  | 1976-02 |
| 42B  | <b>78003A</b>  | 1       | Intermediate Clutch Cylinder ..... 1976-02                                   | 1976-02 |
| 46D  | <b>78003A</b>  | 1       | Output Shaft Support ..... 1976-02   | 1976-02 |
| ---  | <b>66008B</b>  | 1       | Extension Housing (Babbitt) ..... Lincoln ..... 1984-85                      | 1984-85 |
| <b>TRANSMISSION OIL FILTERS</b>  |                |         |  |         |
| 50E  | <b>78600</b>   | 1       | Oil Filter ..... 3HP ..... 1976-85   | 1976-85 |
| 51E  | <b>ATK-64</b>  | 1       | Oil Filter Kit ..... 3HP ..... 1976-85                                       | 1976-85 |
| 50E  | <b>78600C</b>  | 1       | Oil Filter (Flat) ..... 1984-02  | 1984-02 |
| 51E  | <b>ATK-80</b>  | 1       | Oil Filter Kit ..... 1984-02   | 1984-02 |
| 50E  | <b>78601C</b>  | 1       | Oil Filter (w/1" Tube) ..... 1988-02   | 1988-02 |
| 51E  | <b>ATK-118</b> | 1       | Oil Filter Kit ..... 1988-02   | 1988-02 |
| 50E  | <b>78602C</b>  | 1       | Oil Filter (w/Stub for Inlet Tube) ..... Range Rover/Discovery ..... 1987-02 | 1987-02 |
| 51E  | <b>ATK-161</b> | 1       | Oil Filter Kit ..... Range Rover/Discovery ..... 1987-02                     | 1987-02 |
| 50E  | <b>78603P</b>  | 1       | Oil Filter (w/Flat Plastic Inlet) ..... Porsche ..... 1990-02                | 1990-02 |
| 51E  | <b>ATK-163</b> | 1       | Oil Filter Kit ..... Porsche ..... 1990-02                                   | 1990-02 |

ZF3/4-HP22, HP24

# ZF3/4-HP22/24 (RWD 3 & 4-Spd.) - Cont'd.

| ILL. NO.   | PART NUMBER                 | PER CAR | DESCRIPTION  | YEARS   |
|--|-----------------------------|---------|--|---------|
| <b>SHIFT ENHANCEMENTS</b>  |                             |         |  |         |
| ---  | <b>ST78949C</b>             | 1       | "A" Clutch Failure Repair Kit ..... <b>4HP-22 Only</b> .....   | 1984-02 |
| ---  | <b>K78201C</b> <sup>4</sup> | 1       | Aftermarket Input Shaft Sealing Rings (For 3 Units) .....<br><sup>4</sup> For Use with <b>ST78949C</b> Repair Kit. | 1984-02 |
| <b>ELECTRONIC COMPONENTS</b>   |                             |         |  |         |
| ---  | <b>K78879C</b>              | 1       | Solenoid Kit (Complete, OEM) . <b>All Units w/4 Solenoids (7-Pin Connector)</b> .....                              | 1988-02 |
| ---  | <b>K78879D</b>              | 1       | Solenoid Kit (Complete, OEM) . <b>All Units w/5 Solenoids (8-Pin Connector)</b> .....                              | 1988-02 |
| ---  | <b>78879C</b>               | 1       | Pressure Control Solenoid ..... <b>4-Solenoid Units</b> .....  | 1988-02 |
| 60E  | <b>64879F</b>               | 1       | Pressure Control Solenoid ..... <b>5-Solenoid Units</b> .....  | 1988-02 |
| ---  | <b>76870H</b>               | 3       | Shift Solenoid ..... <b>4-Solenoid Units</b> .....   | 1988-02 |
| 61E  | <b>78871C</b>               | 1       | 1-2 Shift Solenoid ..... <b>5-Solenoid Units</b> .....   | 1988-02 |
| 62E  | <b>78871C</b>               | 1       | 2-3 Shift Solenoid ..... <b>5-Solenoid Units</b> .....   | 1988-02 |
| 63E  | <b>78871C</b>               | 1       | T.C.C. Solenoid ..... <b>5-Solenoid Units</b> .....  | 1988-02 |
| 64E  | <b>78871C</b>               | 1       | Reverse Gear Lockout Solenoid ..... <b>5-Solenoid Units</b> .....  | 1988-02 |
| ---  | <b>78871CA</b>              | 1       | "S" Shift Solenoid ..... <b>In Transfer Case on Audi AWD</b> .....   | 1988-97 |
| ---  | <b>78876F</b>               | 1-2     | Input and/or Output Speed Sensor .....   | 1988-02 |
| ---  | <b>78869C</b>               | 1       | Internal Wiring Harness ..... <b>4-Solenoid Units (7-Pin Connector)</b> .....                                      | 1988-On |
| ---  | <b>78869CA</b>              | 1       | Internal Wiring Harness (Audi AWD) <b>4-Solenoid Units &amp; 1 in the T-Case</b> .....                             | 1988-On |
| ---  | <b>78869D</b>               | 1       | Internal Wiring Harness ..... <b>5-Solenoid Units (8-Pin Connector)</b> .....                                      | 1988-On |
| <b>HARD PARTS</b>  |                             |         |  |         |
| <b>Note : When ordering Hard Parts, please add the appropriate suffix : (-R) Reman, (-U) Used, (-A) Aftermarket.</b> |                             |         |  |         |
| ---  | <b>78812C</b>               | 1       | Stator Shaft .....   | 1976-02 |
| 90D  | <b>78804</b>                | 1       | 4th ("F") Clutch Drum ..... <b>3-Friction Capacity - OEM</b> .....   | 1984-02 |
| 90D  | <b>78804A</b>               | 1       | 4th ("F") Clutch Drum ..... <b>4-Friction Capacity - OEM</b> .....   | 1984-02 |
| <b>Notes:</b>  |                             |         |  |         |