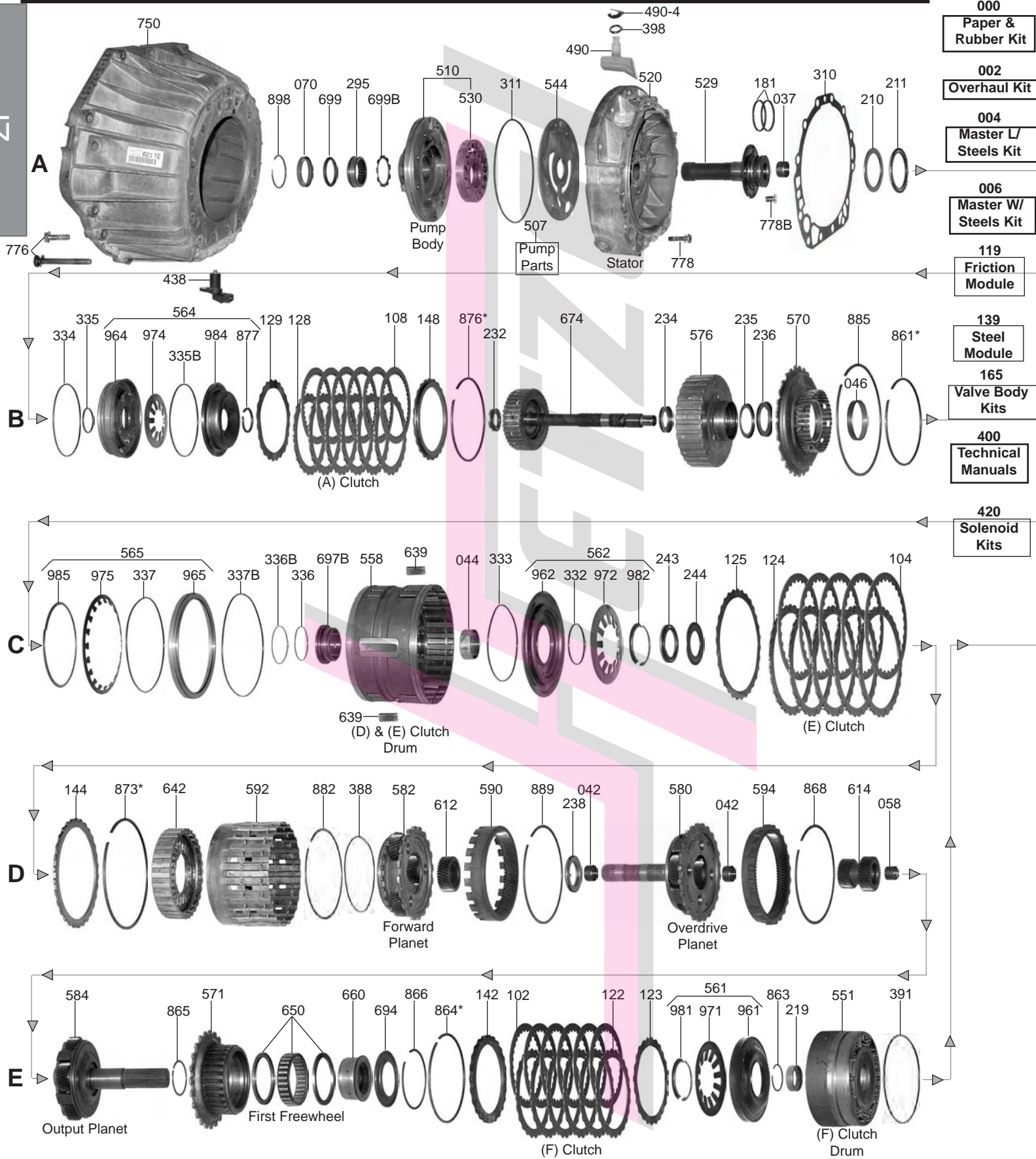


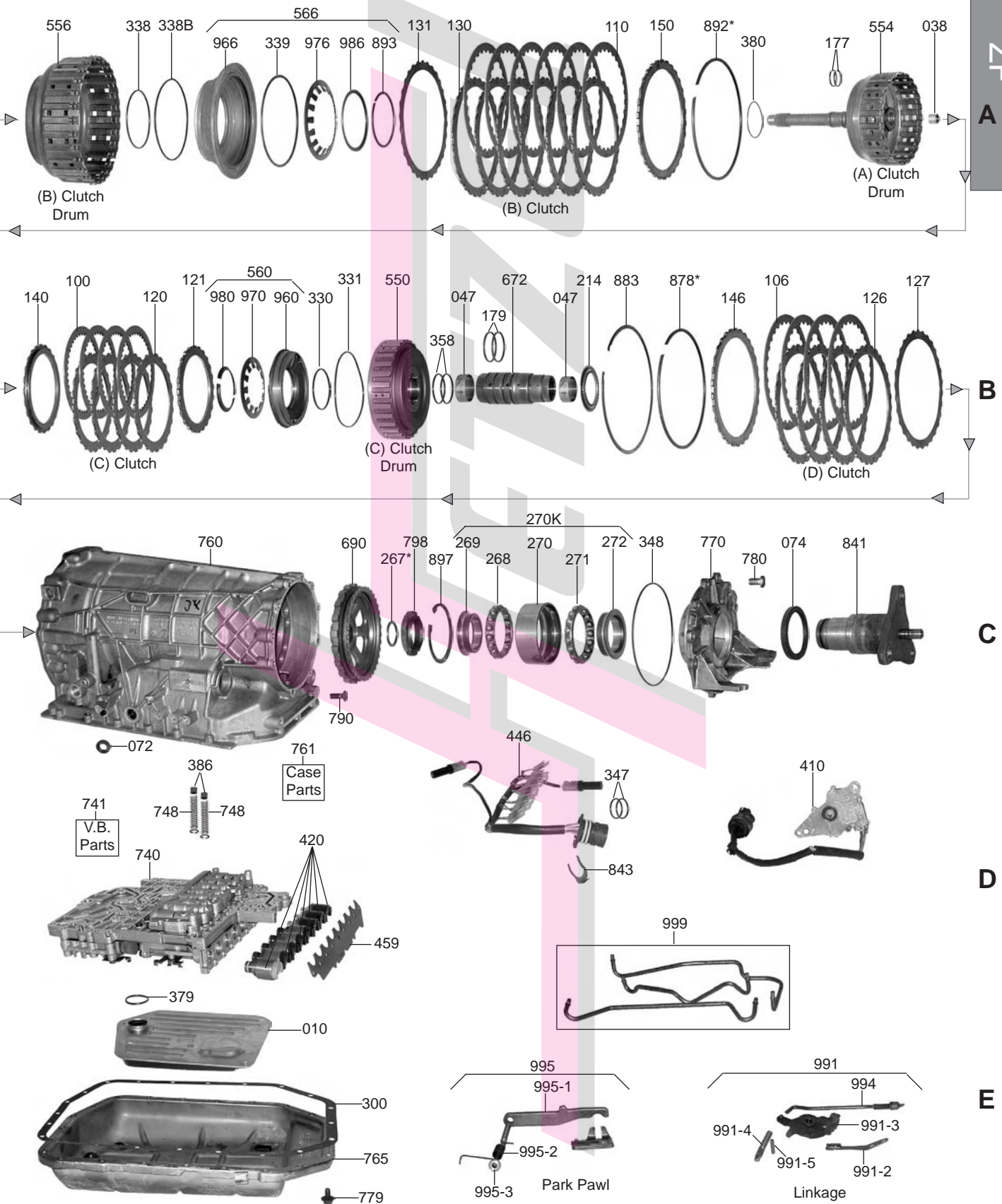
# ZF5HP24

RWD/AWD 5 Speed

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- 000 Paper & Rubber Kit
- 002 Overhaul Kit
- 004 Master L/ Steels Kit
- 006 Master W/ Steels Kit
- 119 Friction Module
- 139 Steel Module
- 165 Valve Body Kits
- 400 Technical Manuals
- 420 Solenoid Kits



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| PART #   | PAPER & RUBBER KIT  | QTY  | REFERENCE # |
|----------|---|------|-------------|
| 185000A  | Paper & Rubber Kit, ZF5HP24 5 Speed   | 1    |             |
| PART #   | OVERHAUL KIT  | QTY  | REFERENCE # |
| 185002A  | Overhaul Kit, ZF5HP24A (Audi/Volkswagen)(AWD) 1994-Up (For 4 Clutch Bonded Piston Sell 185962B)   | 1    |             |
| 185002B  | Overhaul Kit, ZF5HP24 (BMW/Jaguar/Range Rover) 1995-Up (For F Clutch Bonded Piston Sell 185961B)(For Range Rover You Must Sell 144074A Also)  | 1    |             |
| PART #   | MASTER L/STEELS KIT   | QTY  | REFERENCE # |
| 185004A  | Master L/Steels Kit, ZF5HP24A (Audi/VW) (AWD) 1994-Up (For F Clutch Bonded Piston Sell 185961B) (For Units Ending In 004/007)   | 1    |             |
| 185004AA | Master L/Steels Kit, ZF5HP24A (Audi/VW) (AWD) 1994-Up (For F Clutch Bonded Piston Sell 185961B) (For Units Ending In All Numbers Except 004/007)                                      | 1    |             |
| 185004B  | Master L/Steels Kit, ZF5HP24 (BMW/Jaguar/Range Rover) 1995-Up (For F Clutch Bonded Piston Sell 185961B) (For Units Ending In 005/009/032)(For Range Rover You Must Sell 144074A Also) | 1    |             |
| 185004BA | Master L/Steels Kit, ZF5HP24 (BMW/Jaguar) 1995-Up (For F Clutch Bonded Piston Sell 185961B) (For Units Ending In All Numbers Except 005/009/032)                                      | 1    |             |
| PART #   | MASTER W/STEELS KIT   | QTY  | REFERENCE # |
| 185006A  | Master W/Steels Kit, ZF5HP24A (Audi/VW) (AWD) 1994-Up (For F Clutch Bonded Piston Sell 185961B) (For Units Ending In 004/007)   | 1    |             |
| 185006AA | Master W/Steels Kit, ZF5HP24A (Audi/VW) (AWD) 1994-Up (For F Clutch Bonded Piston Sell 186961B) (For Units Ending In All Numbers Except 004/007)                                      | 1    |             |
| 185006B  | Master W/Steels Kit, ZF5HP24 (BMW/Jaguar/Range Rover) 1995-Up (For F Clutch Bonded Piston Sell 185961B) (For Units Ending In 005/009/032)(For Range Rover You Must Sell 144074A Also) | 1    |             |
| 185006BA | Master W/Steels Kit, ZF5HP24 (BMW/Jaguar) 1995-Up (For F Clutch Bonded Piston Sell 185961B) (For Units Ending In All Numbers Except 005/009/032)                                      | 1    |             |
| PART #   | FILTERS   | QTY  | REFERENCE # |
| 185010A  | Filter, ZF5HP24A (Audi A8) (With 1.045" Long Round Pick-Up Tube) 1997-99  | 1    |             |
| 185010AA | Filter, ZF5HP24A (Audi A6,A8/S6) (With .872" Long Round Pick-Up Tube) 1999-03   | 1    |             |
| 185010B  | Filter, ZF5HP24 (BMW/Jaguar/Landrover) With Oval Pick Up Tube 1997-Up   | 1    |             |
| PART #   | BUSHINGS  | QTY  | REFERENCE # |
| 185037B  | Bushing, ZF5HP24 (BMW) Stator (Rear) .590" Wide (1.110"OD) 1.020"ID (Bronze) 1995-Up  | 1    |             |
| 185038B  | Bushing, ZF5HP24 (BMW) A Clutch Drum (Rear) .540" Wide (.560"ID) Bronze 1995-Up   | 1    |             |
| 185042B  | Bushing, ZF5HP24 (BMW) Overdrive Planet (Front & Rear) (.376" Wide)(.985"OD)(.876"ID) 1995-Up   | 2    |             |
| 185044B  | Bushing, ZF5HP24 (BMW) D & E Clutch Drum (Rear) .320" Wide (2.000"OD) (1.780"ID) (Babbit) 1995-Up   | 1    |             |
| 185046B  | Bushing, ZF5HP24 (BMW) C Clutch Hub (2.602"ID) (Bronze) 1995-Up   | 1    |             |
| 185047B  | Bushing, ZF5HP24 (BMW) Sun Gear Shaft (.635" Wide) 1.415"OD (1.250"ID) Brass 1995-Up  | 2    |             |
| 185058B  | Bushing, ZF5HP24 (BMW) Output Planet (Front) .785"OD (.675"ID) Brass With Oil Pockets 1995-Up   | 1    |             |
| PART #   | METAL CLAD SEALS  | QTY  | REFERENCE # |
| 69070    | Seal, ZF5HP24 Front (2.060"OD) 1995-Up  | 1    |             |
| 159072A  | Seal, ZF5HP24 Linkage (BMW) 1995-Up (.710"OD)   | 1    |             |
| 159074A  | Seal, ZF5HP24 Extension Housing (2WD) 2.885"OD (.322" Thick) 1995-Up  | 1    |             |
| 144074A  | Seal, ZF5HP24 (Range Rover Units Ending In 032) (2.450"OD)(.280" Thick) 2003-Up   | 1    |             |
| PART #   | FRICTION CLUTCH   | QTY  | REFERENCE # |
| 69100    | Friction, ZF5HP24 A Clutch #108 & C Clutch #100 (.061" Thick) 40 Teeth 1995-Up  | 4-10 |             |
| 185102B  | Use 159102A   | 6    |             |
| 159102A  | Friction, ZF5HP24 (BMW) F Clutch (.062")(30 Teeth)(5.627"OD) 1995-Up  | 6    |             |
| 185104B  | Use 185110B   | 5    |             |



|          |  |      |  |
|----------|--|------|--|
| 185106B  | Use 185110B  | 4    |  |
| 185108B  | Use 69100  | 6    |  |
| 185110B  | Friction, ZF5HP24 (BMW) B Clutch (.063" Thick) 30 Teeth (7"OD) 1995-Up (Also Fits ZF5HP24 (BMW) D Clutch #106 1995-Up) (Also Fits ZF5HP24 (BMW) E Clutch #104 1995-Up) | 4-15 |  |
| 185119A  | Friction Module, ZF5HP24 / ZF5HP24A 1994-Up (For Units Ending In 005/009 In The 5HP24 Series Or 004/007 In The 5HP24A Series)  | 1    |  |
| 185119AA | Friction Module, ZF5HP24 / ZF5HP24A 1994-Up (For Units Ending In All Numbers Except 004/005/007/009)   | 1    |  |

**PART # STEEL CLUTCH QTY REFERENCE #**

|          |  |      |  |
|----------|--|------|--|
| 185120B  | Use U185128B   | 4    |  |
| 185121B  | Use U185129B   | 1    |  |
| 159122A  | Steel, ZF5HP24 F Clutch #122 (.071" Thick) 24 Teeth (4.688"ID) 1995-Up   |      |  |
| 185122B  | Use U159122A   | 6    |  |
| 185123B  | Steel, ZF5HP24 (BMW) F Clutch (.032") 24 Teeth (4.705"ID) Waved 1995-Up  | 1    |  |
| 185124B  | Use U185130B   | 5    |  |
| 185125B  | Use U185131B   | 1    |  |
| 185126B  | Use U185130B   | 4    |  |
| 185127B  | Use U185131B   | 1    |  |
| 185128B  | Steel, ZF5HP24 (BMW) A Clutch (.082" Thick) 24 Teeth (4.206"ID) 1995-Up (Also Fits ZF5HP24 (BMW) C Clutch 1995-Up)   | 4-10 |  |
| 185129B  | Steel, ZF5HP24 (BMW) A Clutch (.043" Thick) 24 Teeth (4.210"ID) Waved 1995-Up (Also Fits ZF5HP24 (BMW) C Clutch #121 1995-Up)  | 1-2  |  |
| 185130B  | Steel, ZF5HP24 (BMW) B Clutch (.118" Thick) 30 Teeth (6 1/8"ID) 1995-Up (Also Fits ZF5HP24 (BMW) D Clutch #126 1995-Up) (Also Fits ZF5HP24 (BMW) E Clutch #124 1995-Up)      | 4-15 |  |
| 185131B  | Steel, ZF5HP24 (BMW) B Clutch (.037" Thick) 30 Teeth (6 1/8"ID) Waved 1995-Up (Also Fits ZF5HP24 (BMW) D Clutch #127 1995-Up)(Also Fits ZF5HP24 (BMW) E Clutch #125 1995-Up) | 1-3  |  |
| 185139A  | Steel Module, ZF5HP24 / ZF5HP24A 1994-Up (For Units Ending In 005/009 In The 5HP24 Series Or 004/007 In The 5HP24A Series)   | 1    |  |
| 185139AA | Steel Module, ZF5HP24 / ZF5HP24A 1994-Up (For Units Ending In All Numbers Except 004/005/007/009)  | 1    |  |

**PART # PRESSURE PLATES QTY REFERENCE #**

|         |  |     |  |
|---------|--|-----|--|
| 185140B | Pressure Plate, ZF5HP24 (BMW) C Clutch (.176") 24 Teeth (7.125:DO) 1995-Up   | 1   |  |
| 185142B | Pressure Plate, ZF5HP24 (BMW) F Clutch (.238" Thick) 24 Teeth (4.684"ID) 1995-Up   | 1   |  |
| 185144B | Use U185150B   | 1   |  |
| 185146B | Use U185150B   | 1   |  |
| 185148B | Pressure Plate, ZF5HP24 (BMW) A Clutch (.116" Thick) 24 Teeth (4.210"ID) Stepped 1995-Up   | 1   |  |
| 185150B | Pressure Plate, ZF5HP24 (BMW) B Clutch (.153" Thick) 30 Teeth (6 1/8"ID) 1995-Up (Also Fits ZF5HP24 (BMW) D Clutch #146 1995-Up) (Also Fits ZF5HP24 (BMW) E Clutch #144 1995-Up) | 1-3 |  |

**PART # VALVE BODY KITS QTY REFERENCE #**

|         |                                 |   |   |
|---------|---------------------------------|---|---|
| 185165B | Valve Body Kit, ZF5HP24 1994-Up | 1 | 1 |
|---------|---------------------------------|---|---|

**PART # SEALING RINGS QTY REFERENCE #**

|          |  |   |  |
|----------|--|---|--|
| 185177BT | Ring, ZF5HP24 (BMW) Input Shaft (Scarf Cut) (Teflon) 1995-Up                         | 2 |  |
| 185179BT | Ring, ZF5HP24 (BMW) Sun Gear Shaft (Scarf Cut) (Teflon) 1995-Up                      | 2 |  |
| 185181BT | Ring, ZF5HP24 (BMW) Stator To B Clutch Drum (.096" Thick) Lap Joint (Teflon) 1995-Up | 2 |  |

**PART # WASHERS & BEARINGS QTY REFERENCE #**

|          |   |   |  |
|----------|---|---|--|
| 185210B  | Race, ZF5HP24/ZF5HP24A Stator Tube To B Clutch Drum (.055" Thick) 2.875"OD (2.175"ID) 1995-Up | 1 |  |
| 185210BA | Race, ZF5HP24/ZF5HP24A Stator Tube To B Clutch Drum (.063" Thick) 2.875"OD (2.175"ID) 1995-Up | 1 |  |
| 185210BB | Race, ZF5HP24/ZF5HP24A Stator Tube To B Clutch Drum (.071" Thick) 2.875"OD (2.175"ID) 1995-Up | 1 |  |
| 185210BC | Race, ZF5HP24/ZF5HP24A Stator Tube To B Clutch Drum (.078" Thick) 2.875"OD (2.175"ID) 1995-Up | 1 |  |
| 185210BD | Race, ZF5HP24/ZF5HP24A Stator Tube To B Clutch Drum (.086" Thick) 2.875"OD (2.175"ID) 1995-Up | 1 |  |
| 185210BE | Race, ZF5HP24/ZF5HP24A Stator Tube To B Clutch Drum (.094" Thick) 2.875"OD (2.175"ID) 1995-Up | 1 |  |

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| PART #   | WASHERS & BEARINGS (Continued)   | QTY | REFERENCE # |
|----------|--|-----|-------------|
| 185210BF | Race, ZF5HP24/ZF5HP24A Stator Tube To B Clutch Drum (.102" Thick) 2.875"OD<br>(2.175"ID) 1995-Up   | 1   |             |
| 185210BG | Race, ZF5HP24/ZF5HP24A Stator Tube To B Clutch Drum (.110" Thick) 2.875"OD<br>(2.175"ID) 1995-Up   | 1   |             |
| 185210BH | Race, ZF5HP24/ZF5HP24A Stator Tube To B Clutch Drum (.118" Thick) 2.875"OD<br>(2.175"ID) 1995-Up   | 1   |             |
| 185211B  | Bearing, ZF5HP24/ZF4HP24A Stator Tube To B Clutch Drum (.149" Thick) 2.941"OD<br>(2.285"ID) 1995-Up  | 1   |             |
| 185214B  | Bearing W/Race, ZF5HP24/Z5HP24A C Clutch Drum To D & E Clutch Drum (.137" Thick)<br>2.870"OD (1.900"ID) 1995-Up  | 1   |             |
| 185219B  | Caged Needle Bearing, ZF5HP24/ZF5HP24A In F Clutch Drum (.468" Thick) 1.655"OD 1995-Up   | 1   |             |
| 185232B  | Bearing W/Race, ZF5HP24/ZF5HP24A A Clutch Drum To Hub (.283" Thick) 1.508"OD<br>(.645"ID) 1995-Up  | 1   |             |
| 185234B  | Bearing W/Race, ZF5HP24/ZF5HP24A A Clutch Hub To B Clutch Hub (.305" Thick)<br>1.735"OD (1.040"ID) 1995-Up   | 1   |             |
| 185235B  | Race, ZF5HP24 (BMW) B Clutch Hub To C Clutch Hub (2.353"OD) (1.745"ID) 1995-Up   | 1   |             |
| 185236B  | Bearing W/Race, ZF5HP24 (BMW) B Clutch Hub To C Clutch Hub (.257" Thick)<br>2.330"OD (1.560"ID) 1995-Up  | 1   |             |
| 185236BK | Bearing Set, ZF5HP24/ZF5HP24A B Clutch Hub To C Clutch Hub (.257" Thick)(2.330"OD)<br>(1.560"ID) 1995-Up (Contains: # 236 & 235)                       | 1   |             |
| 185238B  | Bearing W/Races, ZF5HP24/ZF5HP24A Forward Sun Gear To Overdrive Planet<br>(.200" Thick) 2.455"OD (1.645"ID) 1995-Up                                    | 1   |             |
| 185243B  | Bearing W/Race, ZF5HP24/ZF5HP24A D & E Clutch Drum To Forward Planet<br>(.260" Thick) 2.520"OD (1.820"ID) 1995-Up                                      | 1   |             |
| 185243BK | Bearing Set, ZF5HP24/ZF5HP24A D & E Clutch Drum To Forward Planet (Contains: # 243B<br>& 244B) 1995-Up   | 1   |             |
| 185244B  | Race, ZF5HP24/ZF5HP24A D & E Clutch To Forward Planet (.078" Thick) 2.836"OD<br>(1.655"ID) 1995-Up   | 1   |             |
| 185267BA | Shim, ZF5HP24 (BMW) Park Gear To Yoke (Selective) (1.591"OD) 1995-Up   | 1   |             |
| 185270BK | Ball Bearing Assembly, ZF5HP24 (BMW) Ball Bearing With Inner & Outer Races<br>(16 Balls) 1.300" Thick Race (Cast # SKF BA2B Italy-A 636002 AA) 1995-Up | 1   |             |
| 185295B  | Caged Needle Bearing, ZF5HP24 (BMW) Pump Body (2.045"OD) 1995-Up<br>(Cast # INA F-216974 Germany 6136)   | 1   |             |

| PART #  | GASKETS & RUBBER COMPONENTS                       | QTY | REFERENCE # |
|---------|---|-----|-------------|
| 185300A | Gasket, ZF5HP24 AWD 1995-Up                       | 1   |             |
| 185300B | Gasket, ZF5HP24 2WD 1995-00                       | 1   |             |
| 185310B | Gasket, ZF5HP24 (BMW) Pump Cover To Case 1995-Up  | 1   |             |
| 185311B | Use 175311A                                       | 1   |             |
| 175311A | O-Ring, ZF5HP24 (BMW) Pump Body 1995-Up           | 1   |             |
| 185348B | O-Ring, ZF5HP24 (BMW) Extension Housing 1995-Up   | 1   |             |
| 185386B | Use 175386A                                       | 2   |             |
| 175386A | Seal, ZF5HP24 (BMW) D & E Clutch To Case) 1995-Up | 2   |             |

| PART #    | TECHNICAL MANUALS                                       | QTY | REFERENCE # |
|-----------|---|-----|-------------|
| 185400A   | Repair Manual, ZF5HP24 FWD/AWD (Audi/Volkswagen)        | 1   |             |
| 159400A-1 | Valve Body Manual, ZF5HP24                              | 1   |             |
| 185400B   | Repair Manual, ZF5HP24 RWD (BMW/Jaguar/Land Rover)      | 1   |             |
| 185400BFD | Manual, ZF5HP24/ZF5HP24A Functional Description 1994-Up | 1   |             |

| PART #  | ELECTRICAL COMPONENTS  | QTY | REFERENCE # |
|---------|--|-----|-------------|
| 185410B | Switch, ZF5HP24 (BMW) Neutral Safety (Cast # 0501 211 451) With 5 Prong Round<br>Connector On A Wire Harness) 1995-Up            | 1   |             |
| 185420A | Solenoid Kit, ZF5HP24/ZF5HP24A (For ZF5HP24 Units Ending In 021/022/026/027/028/029/<br>032/034)(For All ZF5HP24A Units) 1994-Up | 1   |             |
| 175420B | Solenoid Kit, ZF5HP24A (For Units Ending In 005/009/013/014/015/016/024) (Contains: 3 Shift,<br>4 EPC Solenoids With O-Rings)    | 1   |             |
| 179436A | Sensor, ZF5HP24 (All) Input Speed  | 1   |             |
| 185436A | Sensor, ZF5HP24A (Audi) Output Speed (Located In The Speed-O Cover) 1995-Up  | 1   |             |
| 185436B | Sensor, ZF5HP24 (BMW) Input & Output Speed (Goes Through The Valve Body)(Takes 2)<br>(Plugs Into Wire Harness # 446) 1995-Up     | 2   |             |
| 185446A | Wire Harness, ZF5HP24A (Audi/VW Audi) Internal 1994-Up   | 1   |             |
| 185446B | Wire Harness, ZF5HP24 (BMW) Internal With 16 Prong Case Connector (With 8 Two Blade<br>Connectors And 2 Speed Sensors) 1995-Up   | 1   |             |

| PART #  | MISCELLANEOUS COMPONENTS  | QTY | REFERENCE # |
|---------|---|-----|-------------|
| 185490B | Vent, ZF5HP24 (BMW) Plastic In Pump Cover 1995-Up   | 1   |             |
| 185459B | Retainer, ZF5HP24 (BMW) Holds Solenoids To Valve Body 1995-Up   | 1   |             |
| PART #  | HARD PARTS  | QTY | REFERENCE # |
| 185510A | Pump Body W/Gears, ZF5HP24 (Cast # 105 841 00 75) Inner Gear Is .550" Thick<br>With 14 Teeth  | 1   |             |
| 185510B | Pump Body W/Gears, ZF5HP24 (BMW) (Cast # 1058410078) 14 Teeth Inner Gear<br>(.551" Thick) 1995-Up   | 1   |             |
| 185520B | Pump Cover, ZF5HP24 (BMW) Aluminum (2.165" Thick At Edge) 1995-Up   | 1   |             |
| 185529B | Stator Tube, ZF5HP24 (BMW) 5 1/2" Long (3.422"OD Flange) .923"ID At Splines<br>(1 Rear Bushing) 1995-Up   | 1   |             |
| PART #  | PUMP COMPONENTS   | QTY | REFERENCE # |
| 185530B | Pump Gear Set, ZF5HP24 (BMW) 14 Teeth Inner Gear (.551" Thick) 1995-Up  | 1   |             |
| PART #  | HARD PARTS (Continued)  | QTY | REFERENCE # |
| 185544A | Pump Plate, ZF5HP24A (Audi) 1994-Up   | 1   |             |
| 185544B | Pump Plate, ZF5HP24 (BMW) (.118" Thick)(6 11/16"OD) 1994-Up   | 1   |             |
| 185550B | Drum, ZF5HP24 (BMW) C Clutch (Aluminum) 24 Teeth Steels (Cast # 105847201)<br>1995-Up   | 1   |             |
| 185551B | Drum, ZF5HP24/ZF5HP24A (F Clutch)(Aluminum) 6 Clutch (2.851" Thick) 6 3/8"OD 1994-Up  | 1   |             |
| 185554B | Drum, ZF5HP24 (BMW) A Clutch With 7 1/4" Long Shaft (27 Splines) 6 Clutch<br>(Uses 24 Teeth Steels) 1995-Up                                     | 1   |             |
| 185556B | Drum, ZF5HP24 (BMW) B Clutch (6 Clutch) Stamped Steel (30 Teeth Steels) 7 1/2"OD (3.550" Tall)<br>2.040"ID Bore 1995-Up                         | 1   |             |
| 185558B | Drum, ZF5HP24 (BMW) D & E Clutch (Aluminum) 4.58" Wide (7 5/8"OD) (Cast # 1058 473 037)<br>1995-Up  | 1   |             |
| 185560B | Piston Kit, ZF5HP24 (BMW) C Clutch (Aluminum Piston) Cast # 1058 472 020 1995-Up  | 1   |             |
| 185561B | Piston Kit, ZF5HP24 (BMW) F Clutch (Bonded Piston) 1995-Up  | 1   |             |
| 185562B | Piston Kit, ZF5HP24 (BMW) E Clutch (Steel Piston) 1995-Up   | 1   |             |
| 185564B | Piston Kit, ZF5HP24 (BMW) A Clutch (Aluminum Piston) (With Cast # 1058470 059) 1995-Up  | 1   |             |
| 185565B | Piston Kit, ZF5HP24 (BMW) D Clutch  | 1   |             |
| 185566B | Piston Kit, ZF5HP24 (BMW) B Clutch (Cast # 1058471 039 A On Piston) 1995-Up   | 1   |             |
| 185570B | Hub, ZF5HP24 (BMW) C Clutch (30 Outer Lugs) 40 Teeth Clutch Hub 1995-Up   | 1   |             |
| 185571B | Hub, ZF5HP24 (BMW) F Clutch (1st Gear Freewheel Outer Race) 24 Outer Lugs<br>(30 Clutch Splines) 2.075" Thick (3.495"ID) 1995-Up                | 1   |             |
| 185576B | Hub, ZF5HP24/ZF5HP24A B Clutch (30 Clutch Splines) With 2.600"OD Hub On Rear<br>For Bushing #046 1995-Up  | 1   |             |
| 185580B | Planet, ZF5HP24 (BMW) Overdrive With Shaft (4 Gear Steel) 24 Outer Lugs<br>(Uses A 32 Teeth Sun Gear #614)(32 Teeth Pinions, 2 Grooves) 1995-Up | 1   |             |
| 185582B | Planet, ZF5HP24 (BMW) Forward (3 Gear Steel) 20 Outer Lugs (Uses A 36 Teeth<br>Sun Gear) (29 Teeth Pinions, 1 Groove) 1995-Up                   | 1   |             |
| 185584B | Planet, ZF5HP24 (BMW) Output With Shaft (7 13/16" Long) 5 Gear (28 Teeth Pinions<br>With 3 Grooves) 1995-Up                                     | 1   |             |
| 185590B | Ring Gear, ZF5HP24 (BMW) Overdrive Planet (100 Teeth) 20 Lugs (1.350" Thick)<br>1995-Up   | 1   |             |
| 185592B | Ring Gear, ZF5HP24 (BMW) Forward Planet With Shell (Stamped Steel) 4.070" Tall<br>(93 Teeth Ring Gear) 1995-Up                                  | 1   |             |
| 185594B | Ring Gear, ZF5HP24 (BMW) Output Planet (90 Teeth) 24 Outer Lugs (.878" Thick) 1995-Up   | 1   |             |
| 185612B | Sun Gear, ZF5HP24 (BMW) Forward Planet (36 Teeth, 1 Groove) .750" Thick (2.332"OD)<br>1995-Up   | 1   |             |
| 185614B | Sun Gear, ZF5HP24 (BMW) Overdrive/Output Planet (32 Teeth/35 Teeth) 1.646" Long<br>(Splined ID) 1995-Up   | 1   |             |
| 185639B | Key Way, ZF5HP24 (BMW) Holds D & E Clutch Drum To Case (.240" Thick) .472" Wide<br>(1.170" Long) 1995-Up  | 2   |             |
| 185642B | Hub, ZF5HP24 (BMW) E Clutch (Aluminum) 30 Clutch Splines (1.260" Thick) (2.688"ID)<br>1995-Up   | 1   |             |
| PART #  | SPRAGS & ONE WAY CLUTCHES   | QTY | REFERENCE # |
| 159650A | Freewheel, ZF5HP24 (BMW) 1st Gear Freewheel (30 Elements)(1/2 Plastic & 1/2 Metal<br>Cage) 1995-Up  | 1   |             |
| 185650B | Use 159650A   | 1   |             |
| 185660B | Inner Race, ZF5HP24 (BMW) 1st Gear Freewheel (1.250" Thick) 2.845"OD<br>(Splined ID) 1995-Up  | 1   |             |

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| PART #   | HARD PARTS (Continued)  | QTY | REFERENCE # |
|----------|---|-----|-------------|
| 185672B  | Shaft, ZF5HP24 (BMW) Sun Gear (4.530" Long, Splined Ends) 1995-Up   | 1   |             |
| 185674B  | Hub With Shaft, ZF5HP24 (BMW) A Clutch (10 3/8" Long) (40 Teeth Hub) 1995-Up  | 1   |             |
| 185690B  | Park Gear, ZF5HP24 (BMW) 20 Lugs (36 Teeth Reluctor) 1995-Up  | 1   |             |
| 185694B  | Retainer, ZF5HP24 (BMW) 1st Gear Freewheel (3.777"OD)(2.287"ID) 1995-Up   | 1   |             |
| 185697BB | Sleeve, ZF5HP24 (BMW) D & E Clutch Drum (.435" Thick) 2.157"OD (1.446"ID)<br>Has 2 O-Rings & 2 Holes (Steel) 1995-Up                          | 1   |             |
| 185699B  | Spacer, ZF5HP24 (BMW) Front Seal To Caged Needle Bearing 1995-Up<br>(.076" Thick) 2.040"OD (1.610"ID) With 10 Humps                           | 1   |             |
| 185699BB | Oil Deflector, ZF5HP24 (BMW) Caged Needle Bearing To Pump Body (Plastic)<br>(1.545"ID) 1995-Up  | 1   |             |
| 185740B  | Valve Body, ZF5HP24 (BMW) With 8 Solenoids On One End & Speed Sensor<br>(Cast # 1058 427 022)(5 Black & 3 Blue Solenoids) 1995-Up             | 1   |             |
| 185740BB | Valve Body, ZF5HP24 (With 7 Solenoids & Speed Sensor)(Cast # 1060 427 013 F2)<br>(4 Black & 3 Blue Solenoids) 1997-Up                         | 1   |             |
| 185740BC | Valve Body, ZF5HP24 (With 7 Solenoids & Speed Sensor)(Cast # 1060 427 135 F4)<br>(4 Black & 3 Brown Solenoids) 2004-Up                        | 1   |             |
| 185740C  | Valve Body, ZF5HP24 (Jaguar) With 8 Solenoids On One End & Speed Sensor<br>(Cast # 1058 427 022)(4 Black, 3 Brown & 1 Green Solenoid) 1995-Up | 1   |             |

| PART #  | VALVE BODY COMPONENTS  | QTY | REFERENCE # |
|---------|--|-----|-------------|
| 185741G | Accumulator Piston, ZF5HP24 Forward & Reverse Clutch (Updated) (In The Valve Body)<br>This Is The A Clutch & C Clutch Accumulator (Takes 2 Per Transmission) 1994-Up | 2   |             |

| PART #    | HARD PARTS (Continued)   | QTY | REFERENCE # |
|-----------|--|-----|-------------|
| 185748B   | Spring, ZF5HP24 (BMW) Holds D & E Clutch Seal In Case (.435"OD) 1.680" Long 1995-Up  | 2   |             |
| 185750B   | Bell Housing, ZF5HP24 (BMW) 7 3/4" Top Bolts (Sensor At 7:00) Cast # 1058-442-911<br>(Starter At 9:00 & 3:00) 1995-Up  | 1   |             |
| 185750C   | Bell Housing, ZF5HP24 (Jaguar) Cast # 1058-422-009   | 1   |             |
| 185760B   | Case, ZF5HP24 (BMW) (16 5/8" Long) 1995-Up   | 1   |             |
| 185760C   | Case, ZF5HP24 (Jaguar) (Cast # 1058401083)   | 1   |             |
| 185765B   | Pan, ZF5HP24 (BMW) Bottom (22 Bolt, With Drain Plug) 1995-Up   | 1   |             |
| 185770B   | Extension Housing, ZF5HP24 (BMW) Aluminum (Cast # 1058 414 007) 10 Bolt<br>(2.870"OD Rear Seal) 1995-Up  | 1   |             |
| 185776BK  | Bolt Set, ZF5HP24 (BMW) Bell Housing To Case (20 Pieces) 1995-Up   | 1   |             |
| 185778BBK | Bolt Set, ZF5HP24 (BMW) Pump Cover To Tube (5 Pieces) 1995-Up  | 1   |             |
| 185778BK  | Bolt Set, ZF5HP24 (BMW) Pump Cover To Body (10 Pieces) 1995-Up   | 1   |             |
| 185779BK  | Bolt Set, ZF5HP24 (BMW) Pan To Case (22 Pieces) 1995-Up  | 1   |             |
| 185780BK  | Bolt Set, ZF5HP24 (BMW) Extension Housing To Case (10 Pieces) 1995-Up  | 1   |             |
| 185782BK  | Bolt Set, ZF5HP24 (BMW) Valve Body To Case (22 Pieces) 1995-Up   | 1   |             |
| 185790BK  | Bolt Set, ZF5HP24 (BMW/Jaguar) F Clutch Drum To Case (12 Pieces) 1995-Up   | 1   |             |
| 185798B   | Nut, ZF5HP24 (BMW) Holds Yoke To Output Planet (6 Square Notches) 1995-Up  | 1   |             |
| 185841B   | Yoke, ZF5HP24 (BMW) Output Shaft (5.920" Long) (.554"OD Pilot) 1995-Up   | 1   |             |
| 185843B   | Clip, ZF5HP24 (BMW) Holds Case Connector To Case 1995-Up   | 1   |             |
| 185861BA  | Snap Ring, ZF5HP24 (BMW) Holds C Clutch Pressure Plate In (Selective) 1995-Up  | 1   |             |
| 185863B   | Snap Ring, ZF5HP24 (BMW) Holds Bearing #219 In Drum (.468" Thick) (1.738"OD)<br>1995-Up  | 1   |             |
| 185864BA  | Snap Ring, ZF5HP24 (BMW) Holds F Clutch Pressure Plate In (Selective) 1995-Up  | 1   |             |
| 185865B   | Snap Ring, ZF5HP24 (BMW) Holds #571 Hub To F Clutch Drum (.042" Thick)<br>(2.353"OD) 1995-Up   | 1   |             |
| 185866B   | Snap Ring, ZF5HP24 (BMW) Holds 1st Gear Freewheel To #571 Hub (.077" Thick)<br>(3.985"OD) 1995-Up  | 1   |             |
| 185868B   | Use U185889B   | 1   |             |
| 185873BA  | Use U185892  | 1   |             |
| 185876BA  | Snap Ring, ZF5HP24 (BMW) Holds A Clutch Pressure Plate In (Selective) 1995-Up  | 1   |             |
| 185877B   | Snap Ring, ZF5HP24 (BMW) Holds A Clutch Retainer In (.097" Thick) (1.630"OD) 1995-Up   | 1   |             |
| 185878BA  | Use U185892  | 1   |             |
| 185882B   | Snap Ring, ZF5HP24 (BMW) Holds Overdrive Ring Gear To Forward Planet (.060" Thick)<br>(6 1/16"OD) 1995-Up  | 1   |             |
| 185883B   | Snap Ring, ZF5HP24 (BMW) Holds D & E Clutch Drum In Case (.109" Thick) 8"OD (Beveled)<br>1995-Up   | 1   |             |
| 185885B   | Snap Ring, ZF5HP24 (BMW) Holds Hub # 570 To B Clutch Drum (.101" Thick) (7 7/16"OD)<br>1995-Up   | 1   |             |
| 185889B   | Snap Ring, ZF5HP24 (BMW) Holds Overdrive Planet Ring Gear To Forward Planet Ring Gear<br>Shell (.077" Thick) (6 5/8"OD) 1995-Up (Also Fits ZF5HP24 (BMW) Snap Ring # 868<br>1995-Up) | 1-2 |             |



|               |  |          |
|---------------|--|----------|
| 185892BA..... | Snap ring, ZF5HP24 (BMW) Holds B Clutch Pressure Plate In (Selective) 1995-Up          |          |
| .....         | (Also Fits ZF5HP24 (BMW) D Clutch #878 1995-Up) (Also Fits ZF5HP24 (BMW) E Clutch #873 |          |
| .....         | 1995-Up)   | 1-3..... |
| 185893B ..... | Snap Ring, ZF5HP24 (BMW) Holds B clutch Retainer In Drum (.095" Thick) (3.381"OD)      |          |
| .....         | 1995-Up  | 1 .....  |
| 185897B ..... | Snap Ring, ZF5HP24 (BMW) Holds #270 Extension Housing (.120" Thick) 3.620"OD           |          |
| .....         | (With 2 Eyelets) 1995-Up   | 1 .....  |
| 185898B ..... | Snap Ring, ZF5HP24 Holds Front Seal To Pump Body (.057" Thick) (2.155"OD) 1995-Up      | 1 .....  |
| 185960B ..... | Piston, ZF5HP24 (BMW) C Clutch (Aluminum) Cast # 1058 472 020 (.935" Thick) 4.837"OD   |          |
| .....         | (2.370"ID) 1995-Up   | 1 .....  |
| 185961B ..... | Piston, ZF5HP24/ZF5HP24A (F Clutch) (Bonded) .980" Thick (5.578"OD) 2.315"ID           |          |
| .....         | 1995-Up  | 1 .....  |
| 185962B ..... | Piston, ZF5HP24 (BMW) E Clutch (Steel) .660" Thick (7"OD) 2.530"ID 1995-Up             | 1 .....  |
| 185964B ..... | Piston, ZF5HP24 (BMW) A Clutch (Aluminum) Cast # 1058470 059 (5.145"OD) (1.465"ID)     |          |
| .....         | 1995-Up  | 1 .....  |
| 185965B ..... | Piston, ZF5HP24 (BMW) D Clutch   | 1 .....  |
| 185966B ..... | Piston, ZF5HP24 (BMW) B Clutch (Aluminum) Cast # 1058471 039 A (1.615" Thick) 7"OD     |          |
| .....         | (3.325"ID) 8 Oval Holes 1995-Up  | 1 .....  |
| 185970B ..... | Spring, ZF5HP24 (BMW) C Clutch Return (.055" Thick) 3.773"OD (12 Fingers) 1995-Up      | 1 .....  |
| 185971B ..... | Spring, ZF5HP24 (BMW) F Clutch Return (.080" Thick) 5.040"OD (12 Fingers) 1995-Up      | 1 .....  |
| 185972B ..... | Spring, ZF5HP24 (BMW) E Clutch Return (.069" Thick) 5.290"OD (12 Fingers) 1995-Up      | 1 .....  |
| 185974B ..... | Spring, ZF5HP24 (BMW) A Clutch Return (.060" Thick) 3.570"OD (10 Fingers) 1995-Up      | 1 .....  |
| 185975B ..... | Spring, ZF5HP24 (BMW) D Clutch Return (.055" Thick) 6 5/8"OD (20 Fingers) 1995-Up      | 1 .....  |
| 185976B ..... | Spring, ZF5HP24 (BMW) B Clutch Return (.057" Thick) 4.823"OD (16 Fingers) 1995-Up      | 1 .....  |
| 185980B ..... | Retainer, ZF5HP24 (BMW) C Clutch Return Spring (C Clip) 1995-Up (2 Per Pack)           |          |
| .....         | (Also Fits ZF5HP24 (BMW) F Clutch #981 1995-Up)  | 1-2..... |
| 185981B ..... | Use 185980B  | 1 .....  |
| 185982B ..... | Retainer, ZF5HP24 (BMW) E Clutch Return Spring (C Clip) 1995-Up (2 Per Pack)           | 1 .....  |
| 185984B ..... | Retainer, ZF5HP24 (BMW) A Clutch Spring (Steel) 4.780"OD (1.400"ID) 1995-Up            | 1 .....  |
| 185985B ..... | Snap Ring, ZF5HP24 (BMW) Holds D Clutch Spring Retainer In (.095" Thick) 5.600"OD      |          |
| .....         | (Stepped) 1995-Up  | 1 .....  |
| 185986B ..... | Retainer, ZF5HP24 (BMW) B Clutch Return Spring (.086" Thick) 3.742"OD (3.273"ID)       |          |
| .....         | Stepped 1995-Up  | 1 .....  |
| 185991B ..... | Linkage, ZF5HP24 (BMW) Internal (5 Pieces) 1995-Up                                     | 1 .....  |
| 185995B ..... | Park Pawl Assembly, ZF5HP24 (BMW) (4 Pieces) 1995-Up                                   | 1 .....  |
| 185999B ..... | Oil Tube Set, ZF5HP24 (BMW) (3 Pieces) 1995-Up   | 1 .....  |