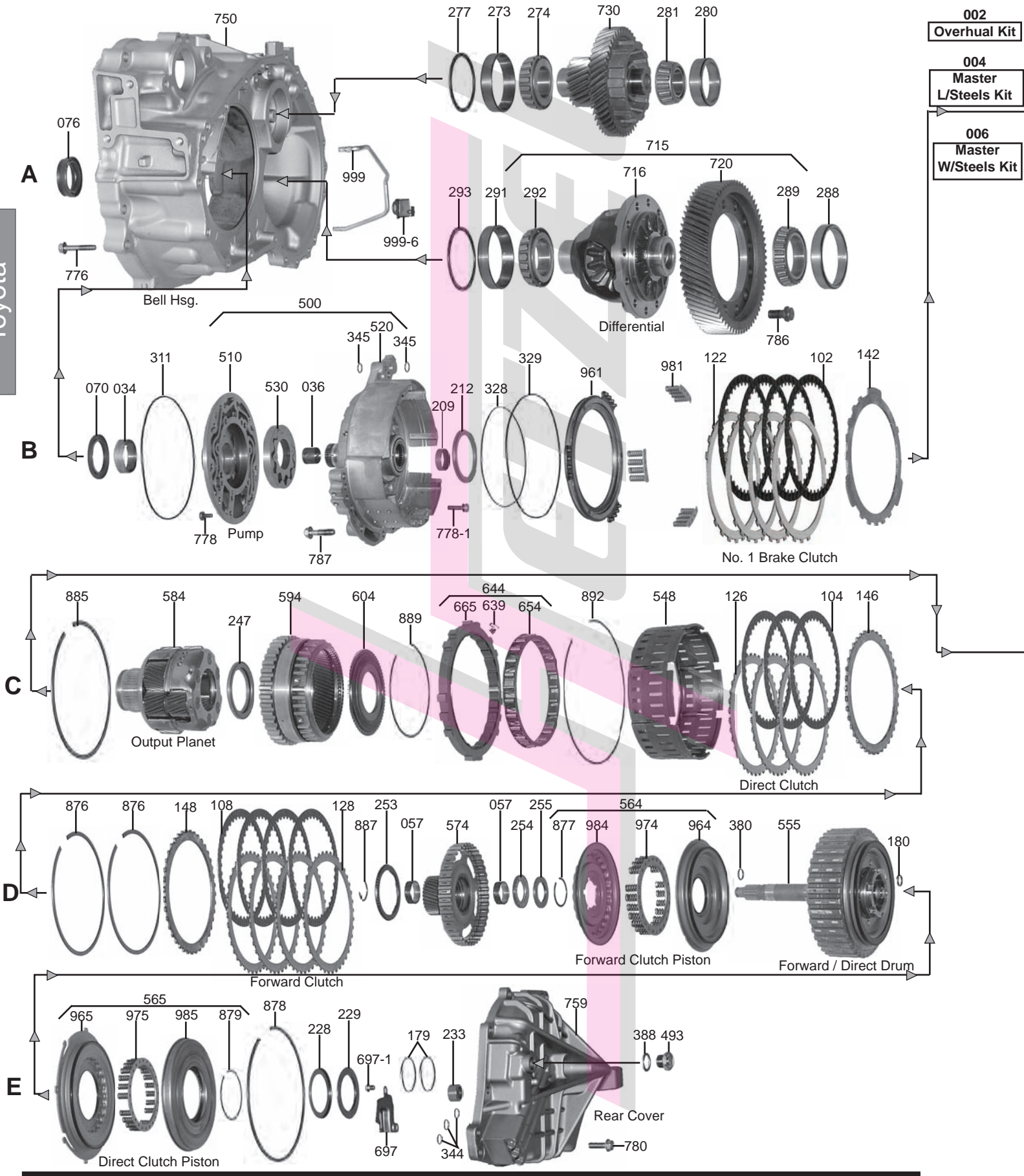
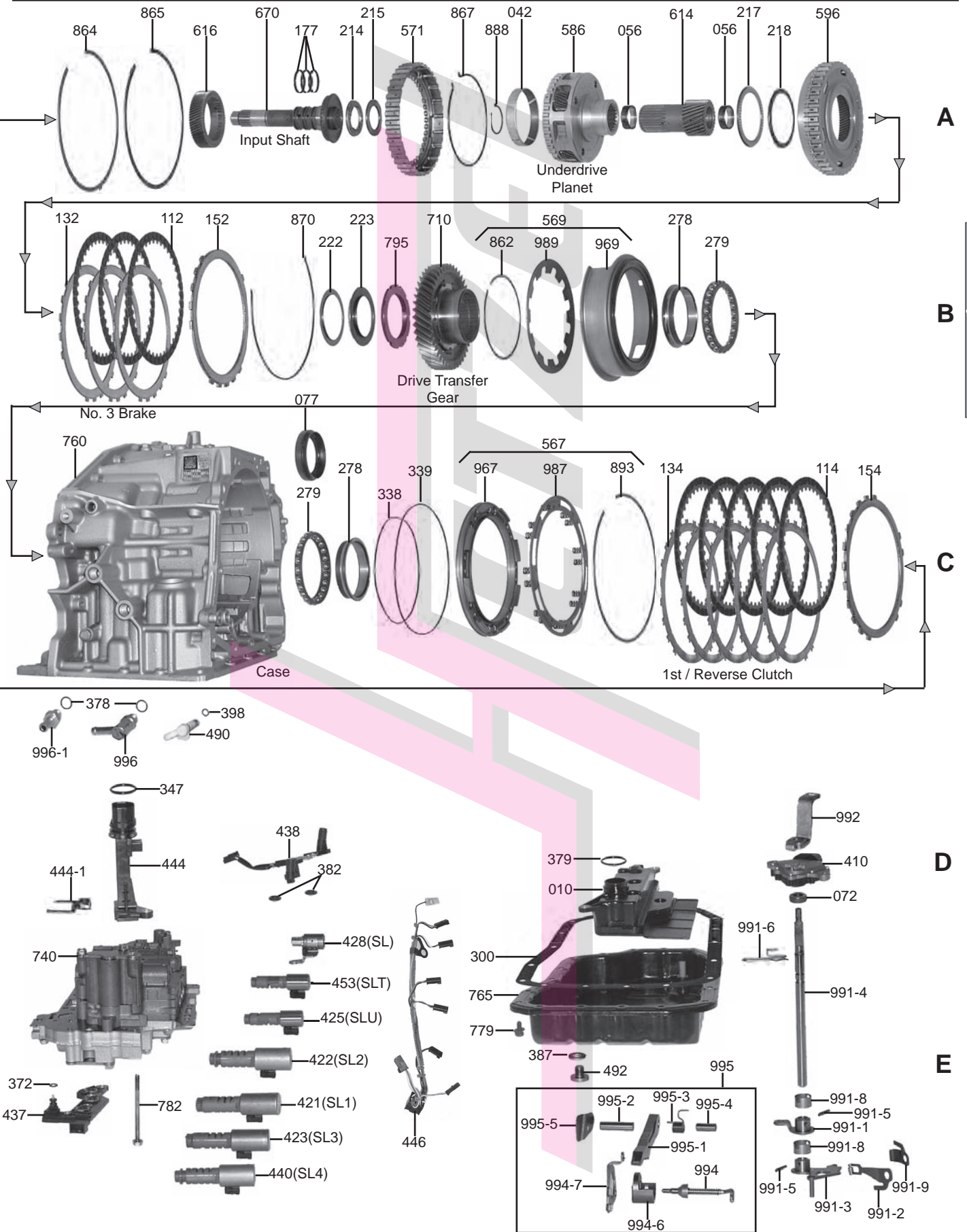


# U660E

FWD 6 Speed

Toyota





PART #	OVERHAUL KITS	QTY	REFERENCE #
277002A	Overhaul Kit, U660E 2007-Up	1	
PART #	MASTER L/STEELS KIT	QTY	REFERENCE #
277004A	Master L/Steels Kit, U660E 2007-Up	1	
PART #	MASTER W/STEELS KIT	QTY	REFERENCE #
277006A	Master W/Steels Kit, U660E 2007-Up	1	
PART #	FILTERS	QTY	REFERENCE #
277010A	Filter, U660E (2 Bolt)(Plastic) (2 1/4"Thick)(8 1/2"Long)(5 1/4"Wide) 2007-Up	1	
PART #	BUSHINGS	QTY	REFERENCE #
277034A	Bushing, U660E Pump Body (Front) (.500"Thick)(1.830"OD)(1.690"ID) 2007-Up	1	
277036A	Bushing, U660E Stator (Front) (.680"Thick)(1.013"OD)(.880"ID) 2007-Up	1	
277042A	Bushing, U660E Underdrive Planet (Front)(.460"Thick)(3.300"OD)(3.105"ID)(With 4 Holes) 2007-Up	1	
277056A	Bushing, U660E Sun Gear # 614 (Front & Rear)(.430"Thick)(1.105"OD)(1.000"ID)(Takes 2) 2007-Up	2	
277057A	Bushing, U660E Output Rear Sun Gear Hub (1.105"OD)(1.010"ID)(Front & Rear) 2007-Up	2	
PART #	METAL CLAD SEALS	QTY	REFERENCE #
277070A	Seal, U660E Pump (Front) (.230"Thick)(2.445"OD)(1.650"ID) 2007-Up	1	
277072A	Seal, U660E Linkage (.275"Thick)(.870"OD)(.460"ID) 2007-Up	1	
87076A	Seal, U660E Axle (Bell Housing Side)(2.210"OD) 2007-Up	1	
277077A	Seal, U660E Axle (Case Side) (.600"Thick)(2.680"OD)(1.880"ID) 2007-Up	1	
PART #	FRICTIONS	QTY	REFERENCE #
277102A	Friction, U660E No. 1 Brake Clutch (.074")(40 Teeth)(7"OD) 2007-Up (Takes 4)(Also Fits U660E No. 3 Brake Clutch # 112 2007-Up)	3-7	
277106A	Friction, U660E Direct Clutch (.070") (40 Teeth)(6 9/16"OD)(Has 48 Grooves In Friction Lining) 2007-Up (Takes 3)	3	
277108A	Friction, U660E Forward Clutch (.070")(40 Teeth)(6 9/16"OD)(Has 72 Grooves In Friction Lining) 2007-Up (Takes 4)	4	
277112A	Use 277102A	3	
277114A	Friction, U660E 1st/Reverse Clutch (.062") (40 Teeth) (7 1/4"OD) 2007-Up	5	
PART #	STEELS	QTY	REFERENCE #
277122A	Steel, U660E No. 1 Brake Clutch (.072")(11 Teeth)(6.045"ID) 2007-Up	4	
277126A	Steel, U660E Direct Clutch (.085") (40 Teeth V Notched)(5.670"ID) 2007-Up	3	
277128A	Steel, U660E Forward Clutch (.070")(40 Teeth Not Notched)(5.670"ID) 2007-Up	4	
277132A	Steel, U660E No. 3 Brake Clutch (.118")(11 Teeth)(6.050"ID) 2007-Up	3	
277134A	Steel, U660E 1st/Reverse Clutch (.062")(16 Teeth)(6 3/8"ID) 2007-Up	5	
PART #	PRESSURE PLATES	QTY	REFERENCE #
277142A	Pressure Plate, U660E No. 1 Brake Clutch (.130")(14 Teeth)(6.050"ID)(Stamped# 33) 2007-Up	1	
277146A	Pressure Plate, U660E Direct Clutch (.134")(40 Teeth)(5.670"ID)(Cast #34) 2007-Up (Also Fits U660E Forward Clutch # 148 2007-Up)	1-2	
277146AA	Pressure Plate, U660E Direct Clutch (.137")(40 Teeth)(5.670"ID)(Cast #35) 2007-Up (Also Fits U660E Forward Clutch # 148 2007-Up)	1-2	
277148A	Use U277146	1	
277152A	Pressure Plate, U660E No. 3 Brake Clutch (.153")(11 Teeth)(6.050"ID)(Cast # 39) 2007-Up	1	
277154A	Pressure Plate, U660E 1st/Reverse Clutch (.160")(16 Teeth)(6 3/8"ID)(Cast #41) 2007-Up	1	
PART #	SEALING RINGS	QTY	REFERENCE #
277177AT	Ring, U660E Input Shaft (.089"Thick)(1.195"OD)(Teflon) 2007-Up	3	
277179AT	Ring, U660E Forward/Direct Clutch Drum To Rear Cover (.090"Thick)(1.900"OD)(Teflon) 2007-Up	2	
277180AT	Ring, U660E Forward/Direct Clutch Drum (Rear)(.092"Thick)(.630"OD)(Teflon) 2007-Up	1	

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PART #	WASHERS & BEARINGS	QTY	REFERENCE #
277209A	Caged Needle Bearing, U660E Stator (Rear)(.400"Thick)(1.525"OD) 2007-Up	1	
277212A	Bearing W/Races, U660E Stator To Sun Gear (.180"Thick)(2.955"OD)(2.275"ID) 2007-Up	1	
277214A	Bearing W/Race, U660E Input Shaft To Underdrive Planet (.168"Thick)(1.905"OD)(1.153"ID) 2007-Up	1	
277215A	Race, U660E Input Shaft To Underdrive Planet (.078"Thick)(1.893"OD)(1.215"ID) 2007-Up	1	
277217A	Bearing W/Race, U660E Underdrive Planet To Ring Gear (.129"Thick)(3.230"OD)(2.470"ID) 2007-Up	1	
277218A	Race, U660E Underdrive Planet To Ring Gear (.032"Thick)(3.150"OD)(2.600"ID)(Cupped) 2007-Up	1	
277222A	Race, U660E Underdrive Planet Ring Gear To Drive Transfer Gear Nut (.031"Thick)(3.020"OD)(2.340"ID) 2007-Up	1	
277223A	Bearing W/Race, U660E Underdrive Planet Ring Gear To Drive Transfer Gear Nut (.120"Thick)(3.100"OD)(2.095"ID) 2007-Up	1	
277228A	Race, U660E Forward/Direct Clutch Drum To Rear Cover (.057"Thick)(2.763"OD)(2.060"ID)(Cupped) 2007-Up	1	
277229A	Bearing W/Race, U660E Forward/Direct Clutch Drum To Rear Cover (.150"Thick)(2.825"OD)(1.930"ID) 2007-Up	1	
277230A	Caged Needle Bearing, U660E In Rear Cover (.565"Wide)(.945"OD)(Cast # NSK DB501810) 2007-Up	1	
277247A	Bearing W/Races, U660E Output Planet To Rear Sun Gear Hub (.209"Thick)(3.175"OD)(2.210"ID) 2007-Up	1	
277253A	Bearing W/Races, U660E Output Planet Ring Gear Hub To Rear Sun Gear Hub (.160"Thick)(3.105"OD)(2.415"ID) 2007-Up	1	
277254A	Bearing W/Race, U660E Sun Gear Hub To Forward/Direct Drum (.188"Thick)(1.848"OD)(1.105"ID) 2007-Up	1	
277255A	Race, U660E Sun Gear Hub To Forward/Direct Drum (.118"Thick)(1.725"OD)(1.035"ID) 2007-Up	1	
277273A	Cup Race, U660E Pinion Gear To Bell Housing (.665"Thick)(3.230"OD)(2.765"ID)(Cast # KOYO STA4282) 2007-Up	1	
277274A	Cone Bearing, U660E Pinion Gear To Bell Housing (20 Rollers)(1.653"ID)(Cast # KOYO STA4282) 2007-Up	1	
277277A	Shim, U660E Pinion Gear To Bell Housing (Selective)(3.210"OD)(2.810"ID) 2007-Up	1	
277278A	Inner Race, U660E Drive Transfer Gear To Case Bearing #279 (.590"Thick)(3.320"OD)(2.830"ID)(Cast # HTF 2E) 2007-Up	2	
277279A	Cone Ball Bearing, U660E Drive Transfer Gear To Case (24 Ball With Plastic Cage)(.465"Thick)(4.135"ID) 2007-Up	2	
277280A	Cup Race, U660E Pinion To Case (.685"Thick)(2.675"OD)(2.175"ID)(Cast # KOYO STF3568) 2007-Up	1	
277281A	Cone Bearing, U660E Pinion To Case (16 Rollers)(1.378"ID)(Cast # KOYO STF3568) 2007-Up	1	
277288A	Cup Race, U660E Differential To Case (.605"Thick)(3.543"OD)(3.058"ID)(Cast # KOYO ST5590A) 2007-Up	1	
277289A	Cone Bearing, U660E Differential To Case (25 Rollers)(2.165"ID)(Cast # KOYO ST5590A) 2007-Up	1	
277291A	Cup Race, U660E Differential To Bell Housing (.665"Thick)(3.543"OD)(2.975"ID)(Cast # KOYO 30210J) 2007-Up	1	
277292A	Cone Bearing, U660E Differential To Bell Housing (19 Rollers)(1.968"ID)(Cast # KOYO 30210JR-1) 2007-Up	1	
277293A	Shim, U660E Diff Cup Race To Bell Housing (Selective)(3.525"OD)(3.125"ID) 2007-Up	1	

PART #	GASKETS	QTY	REFERENCE #
277300A	Gasket, U660E Bottom Pan (18 Bolt) 2007-Up	1	
277311A	O-Ring, U660E Pump Body (6 3/4"OD) 2007-Up	1	
277344A	O-Ring, U660E Case To Rear Cover (.069"Thick)(.550"OD) 2007-Up	3	
277347A	O-Ring, U660E Case Connector (.136"Thick)(1.400"OD) 2007-Up	1	
277372A	O-Ring, U660E Temperature Sensor To Valve Body (.075"Thick)(.395"OD) 2007-Up	1	
277379A	O-Ring, U660E Filter (.101"Thick)(1 1/16"OD) 2007-Up	1	
277380A	O-Ring, U660E Forward/Direct Clutch Drum Shaft (Front)(.086"Thick)(.650"OD) 2007-Up	1	
277382A	Lathe Cut Seal, U660E Valve Body To Case (.145"Thick)(.610"OD)(With 6 OD Notches) 2007-Up	2	
277388A	Washer/Seal, U660E Fill Plug To Rear Cover (.960"OD)(.705"ID) 2007-Up	1	

PART #	ELECTRICAL COMPONENTS	QTY	REFERENCE #
277410A	Neutral Safety Switch, U660E (7 Pin & 2 Blade Connector)(Cast # 84540-83010-AV2351) 2007-Up	1	
277421A	Solenoid, U660E Shift 1 (SL1) (2 Prong, Brown Connector) 2007-Up (Also Fits U660E Shift 3 (SL3) # 423 2007-Up)	1-2	

PART #	ELECTRICAL COMPONENTS (Continued)	QTY	REFERENCE #
277422A	Solenoid, U660E Shift 2 (SL2) (2 Prong, Black Connector) 2007-Up (Also Fits U660E Shift 4 (SL4) # 440 2007-Up)	1-2	
277423A	Use 277421A	1	
277425A	Solenoid, U660E Lock-Up (SLU) (2 Prong, Black Connector) 2007-Up	1	
277428A	Solenoid, U660E Line Pressure Control (SL)(1 Prong, Blue Connector) 2007-Up	1	
277437A	Temperature Sensor Assembly, U660E (4 Bolt, W/3 O-Rings) 2007-Up	1	
277438A	Speed Sensor Assembly, U660E (2 Sensors On A 2 Bolt Bracket With 4 Wire Connector) 2007-Up	1	
277440A	Use 277422A	1	
277444-1A	Bracket, U660E Case Connector Extension To Valve Body (1 Bolt) 2007-Up	1	
277444A	Case Connector Extension, U660E (22 Blades On Top)(18 Blades On Bottom)(4 Blades On Side) 2007-Up	1	
277446A	Wire Harness, U660E Internal (18 Prong Connector, With 6 Two Wire Connectors, 1 One Wire Connector, & 1 Four Wire Connector) 2007-Up	1	
277453A	Solenoid, U660E (SLT)(2 Prong, Black Connector) 2007-Up	1	
PART #	MISCELLANEOUS COMPONENTS	QTY	REFERENCE #
277490A	Vent, U660E (Plastic, Elbow) (1.970"Long) 2007-Up	1	
277493A	Fill Plug, U660E (24mm Hex Head)(.665"Long) 2007-Up	1	
PART #	HARDPARTS	QTY	REFERENCE #
277500A	Pump, U660E (Cast Iron Body, Alum Stator)(Cast # J6A10530 On Stator) 2007-Up	1	
277510A	Pump Body W/Gears, U660E (Cast Iron)(10 Teeth Inner, 11 Teeth Outer Pump Gears) 2007-Up	1	
277520A	Stator, U660E (Aluminum)(Cast # J6A10530) 2007-Up	1	
277548A	Apply Sleeve, U660E Direct Clutch Piston (2.655"Thick)(W/8 Notches)(Snap Ring # 878 Holds This To The Direct Clutch Piston) 2007-Up	1	
277555A	Drum, U660E Forward/Direct Clutch W/Shaft (9 1/4"Long)(4 Forward Clutch & 3 Direct Clutch) 2007-Up	1	
277564A	Piston Kit, U660E Forward Clutch (Bonded Piston & Retainer)(4 Pieces) 2007-Up	1	
277565A	Piston Kit, U660E Direct Clutch (Bonded Piston W/Housing)(4 Pieces) 2007-Up	1	
277567A	Piston Kit, U660E 1st/Reverse Clutch (Aluminum Piston)(3 Pieces) 2007-Up	1	
277569A	Piston Kit, U660E No. 3 Brake Clutch (1.580"Thick Bonded Piston)(3 Pieces) 2007-Up	1	
277571A	Hub, U660E No. 1 Brake Clutch (40 Outer Splines, 36 Inner Splines)(Aluminum)(.900"Thick) (5.907"OD) 2007-Up	1	
277574A	Sun Gear Hub, U660E Output Planet (Rear)(W/Forward Clutch Hub)(30 Teeth Sun Gear (40 Teeth Hub)(2.405" Tall) 2007-Up	1	
277584A	Planet, U660E Output (6 Gear) (5 1/8" Tall)(Uses A 30 Teeth Rear Sun Gear # 574) 2007-Up	1	
277594A	Ring Gear, U660E Output Planet (69 Teeth)(40 Outer Splines Front, 32 Outer Splines Rear) 2007-Up	1	
277596A	Ring Gear, U660E Underdrive Planet (110 Teeth)(40 Clutch Splines)(1.325"Thick)(6 Slots) 2007-Up	1	
277604A	Hub, U660E Output Planet Ring Gear (69 Teeth)(4.775"OD)(2.240"ID) 2007-Up	1	
277614A	Sun Gear, U660E Output Planet (Front)(27 Teeth)(24 Splines)(3.720"Long) 2007-Up	1	
277616A	Sun Gear, U660E Underdrive Planet (66 Teeth)(.755"Thick)(2.985"OD)(W/39 Inner Splines) 2007-Up	1	
277639A	Anti-Clunk Spring, U660E Sprag Outer Race (.177"Thick) 2007-Up	1	
PART #	SPRAGS	QTY	REFERENCE #
277654A	Sprag, U660E (1 Way Clutch)(20 Elements W/Plastic Cage)(.720"Wide)(6 1/4"OD) 2007-Up	1	
277665A	Outer Race, U660E (1 Way Clutch) Sprag (14 Lugs)(.645"Thick) 2007-Up	1	
PART #	HARDPARTS (Continued)	QTY	REFERENCE #
277670A	Input Shaft, U660E (6.055" Long)(.750"OD Pilot)(22 Converter Splines)(18 Rear Inner Splines) (3 Ring) 2007-Up	1	
277697-1AK	Bolt Set, U660E Oils Shield To Rear Cover (2 Pieces) 2007-Up	1	
277697A	Oil Shield, U660E Rear Cover (2 Bolt, W/Slot)(2.610"Long) 2007-Up	1	
277710A	Gear, U660E Drive Transfer (44 Teeth)(36 Inner Splines)(1.925"Thick)(5.550"OD) 2007-Up	1	
277715A	Differential Assembly, U660E (69 Teeth 1 Groove Ring Gear)(12 Bolt)(6 1/4" Tall Housing) (1.378"ID Axle Hole) 2007-Up	1	
277730A	Pinion, U660E (20 Teeth 1 Groove Pinion Gear)(With 47 Teeth Driven Transfer Gear) 2007-Up	1	
277740A	Valve Body, U660E (W/7 Solenoids)(Cast # U660) 2007-Up	1	
277741-1MA	Valve, U660E Manual (3.755" Long) 2007-Up	1	
277759A	Rear Cover, U660E (Aluminum)(14 Bolt, With 4 Extra Holes) 2007-Up	1	
277765A	Pan, U660E Bottom (18 Bolt)(2 1/4" Deep At Deep End) 2007-Up	1	

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277776AK..... Bolt Set, U660E Bell Housing To Case (20 Pieces) 2007-Up .....	1
277778-1AK.... Bolt Set, U660E Pump Body To Stator (Rear Side)(7 Pieces) 2007-Up .....	1
277778AK..... Bolt Set, U660E Pump Body To Stator (Front Side)(9 Pieces) 2007-Up.....	1
277779AK..... Bolt Set, U660E Bottom Pan To Case (19 Pieces) 2007-Up.....	1
277780AK..... Bolt Set, U660E Rear Cover To Case (14 Pieces) 2007-Up .....	1
277782AK..... Bolt Set, U660E Valve Body To Case (11 Pieces) 2007-Up.....	1
277786AK..... Bolt Set, U660E Ring Gear To Differential Housing (12 Pieces) 2007-Up .....	1
277787AK..... Bolt Set, U660E Stator To Case (7 Pieces) 2007-Up.....	1
277795A..... Nut, U660E Holds Output Planet To Drive Transfer Gear (.275"Thick)(3.330"OD)(2.305"ID) ..... (W/9 OD Notches) 2007-Up .....	1
277862A..... Snap Ring, U660E Holds No. 3 Brake Clutch Piston Return Spring In Case (.047"Thick) ..... (4.445"OD) 2007-Up .....	1
277864A..... Snap Ring, U660E Holds No. 1 Brake Clutch Pressure Plate In Stator (.063"Thick)(7 1/2"OD) ..... (.255"Wide)(W/1 Tab On The Outside & In The Center Between The Ends) 2007-Up.....	1
277865A..... Snap Ring, U660E Holds No. 3 Brake Clutch Steel # 132 In The Stator (.063"Thick)(7 1/2"OD) ..... (.258"Wide)(W/1 Tab On The Outside & At The End) 2007-Up.....	1
277867A..... Snap Ring, U660E No. 1 Brake Clutch Hub To Underdrive Planet (.089"Thick)(4.880"OD) ..... 2007-Up .....	1
277870A..... Snap Ring, U660E Holds No. 3 Brake Clutch Pressure Plate In Stator (.098"Thick)(7 7/8"OD) ..... (W/Hooked Ends) 2007-Up .....	1
277876A..... Snap Ring, U660E Holds Direct & Forward Clutch Pressure Plate In (.079"Thick)(6 7/8"OD) ..... 2007-Up .....	2
277877A..... Snap Ring, U660E Holds Forward Clutch Piston Retainer In Drum (.047"Thick)(1.650"OD) ..... 2007-Up .....	1
277878A..... Snap Ring, U660E Holds Direct Clutch Piston # 965 To The Apply Sleeve # 548 (.101"Thick) ..... (7 1/2"OD) 2007-Up .....	1
277879A..... Snap Ring, U660E Holds Direct Clutch Piston HousingTo Drum (.047"Thick)(2.775"OD) ..... 2007-Up .....	1
277885A..... Snap Ring, U660E Holds 1st/Reverse Clutch Pressure Plate In (.082"Thick)(7 5/8"OD) ..... 2007-Up .....	1
277887A..... Snap Ring, U660E Holds Sun Gear Hub # 574 In Drum # 555 (.048"Thick)(1.190"OD) ..... 2007-Up .....	1
277888A..... Snap Ring, U660E Holds Sun Gear # 614 To Underdrive Planet (.055"Thick)(1.465"OD) ..... (W/2 Eyelets) 2007-Up.....	1
277889A..... Snap Ring, U660E Holds Hub To Ring Gear (.055"Thick)(5.260"OD) 2007-Up .....	1
277892A..... Snap Ring, U660E Holds Sprag Outer Race In Case (.055"Thick)(8"OD) 2007-Up.....	1
277893A..... Snap Ring, U660E Holds 1st/Reverse Clutch Piston Retainer In Case (.062"Thick)(7 3/4"OD) ..... 2007-Up .....	1
277961A..... Piston, U660E No. 1 Brake Clutch (Aluminum)(.630"Thick)(5.395"OD) 2007-Up .....	1
277964A..... Piston, U660E Forward Clutch (Bonded)(.830"Thick)(6 1/4"OD)(1.898"ID) 2007-Up.....	1
277965A..... Piston, U660E Direct Clutch (Bonded)(2.665"ID)(8 Lugs)(4 Slots) 2007-Up .....	1
277967A..... Piston, U660E 1st/Reverse Clutch (Aluminum)(.620"Thick)(7"OD)(5 3/8"ID)(16 Spring Pockets) ..... 2007-Up .....	1
277969A..... Piston, U660E No. 3 Brake Clutch (Bonded)(1.580"Thick)(6 13/16"OD) 2007-Up .....	1
277974A..... Retainer W/Springs, U660E Forward Clutch Piston Return (21 Springs)(.745"Thick)(4.405"OD) ..... (3.300"ID) 2007-Up.....	1
277975A..... Retainer W/Springs, U660E Direct Clutch Piston Return (.720"Thick)(4.075"OD)(3.205"ID) ..... (21 Springs) 2007-Up.....	1
277981AK..... Return Spring Set, U660E No. 1 Brake Clutch Return (3 Pieces)(4 Springs Per Pieces) ..... 2007-Up .....	1
277984A..... Retainer, U660E Forward Clutch Piston (Bonded)(.665"Thick)(5.660"OD)(1.460"ID) 2007-Up ....	1
277985A..... Retainer/Housing, U660E Direct Clutch Piston (Steel)(6 1/4"OD)(2.635"ID) 2007-Up .....	1
277987A..... Retainer W/Springs, U660E 1st/Reverse Clutch Piston (16 Springs)(7 1/4"OD)(5.755"ID) ..... 2007-Up .....	1
277989A..... Spring, U660E No. 3 Brake Clutch Piston Return (.058"Thick)(6.030"OD)(12 Fingers) 2007-Up ..	1
277991-1A..... Lever, U660E Park Pawl (2.095"Long)(.475"ID) 2007-Up .....	1
277991-2A..... Detent, U660E Rooster Comb (3.906"Long)(1 Bolt) 2007-Up .....	1
277991-3A..... Rooster Comb, U660E (.475"ID Hole)(W/4 Notches) 2007-Up.....	1
277991-4A..... Linkage Shaft, U660E( 9 1/2" Long)(W/Threaded End) 2007-Up .....	1
277991-5A..... Roll Pin, U660E Holds Internal Levers To Manual Shaft (.775"Long)(.155"OD) 2007-Up .....	2
277991-6A..... Wire Clip, U660E Holds Linkage Shaft To Case (.077"Thick Wire, 2.320"Long) 2007-Up.....	1
277991-8A..... Retainer, U660E Linkage Roll Pin (Sleeve)(.475"Wide)(.835"OD) 2007-Up .....	2
277991-9A..... Bracket, U660E Detent (1.320" Long)(1.045"Wide)(1 Bolt) 2007-Up .....	1
277992A..... Manual Lever, U660E External (.830"Wide)(W/2 Key Hole Slots) 2007-Up .....	1
277995A..... Park Pawl Assembly, U660E (8 Pieces) 2007-Up.....	1
277996-1A..... Fitting, U660E Cooler Line (Front, Upper)(Straight)(2.120"Long) 2007-Up .....	1
277996A..... Fitting, U660E Cooler Line (Rear, Lower)(Elbow)(2.160"Long) 2007-Up.....	1
277999-6A..... Bracket, U660E Holds Oil Tube To Bell Housing 2007-Up.....	1
277999A..... Oil Tube, U660E In Bell Housing (.255"OD) 2007-Up.....	1