





# Toyota U660E/F & U760E/F Series (FWD 6-Speed)

| VEHICLE MODEL     | YEARS   | ENGINE               | DRIVE TRAIN | TRANS. TYPE |
|-------------------|---------|----------------------|-------------|-------------|
| Lexus ES350       | 2007-14 | 3.5 Litre            | FWD         | U660E       |
| Lexus RX350       | 2010-13 | 3.5 Litre            | FWD/AWD     | U660E/F     |
| Lexus RX          | 2010-13 | 2.7 Litre            | FWD/AWD     | U760E/F     |
| Toyota Avalon     | 2008-10 | 3.5 Litre            | FWD         | U660E       |
| Toyota Camry      | 2007-14 | 3.5 Litre            | FWD         | U660E       |
| Toyota Camry      | 2010-14 | 2.4, 2.5 Litre       | FWD         | U760E       |
| Toyota Highlander | 2009-14 | 3.5 Litre            | FWD/AWD     | U660E/F     |
| Toyota Highlander | 2010-14 | 2.7 Litre            | FWD/AWD     | U760E/F     |
| Toyota RAV4       | 2009-12 | 2.0, 2.2 & 3.5 Litre | FWD         | U660E       |
| Toyota Scion tc   | 2012-13 | 2.5 Litre            | FWD/AWD     | U760E/F     |
| Toyota Sienna     | 2011-14 | 3.5 Litre            | FWD/AWD     | U660E/F     |
| Toyota Sienna     | 2011-12 | 2.7 Litre            | FWD/AWD     | U760E/F     |
| Toyota Venza      | 2009-14 | 3.5 Litre            | FWD         | U660E       |
| Toyota Venza      | 2010-14 | 2.7 Litre            | FWD         | U760E       |

| III. NO.   | PART NUMBER                 | PER CAR | DESCRIPTION                  | YEARS             |
|--|-----------------------------|---------|------------------------------|-------------------|
| <b>REBUILDER BOX KITS</b>  |                             |         |                              |                   |
| ---  | <b>K1600-S<sup>1</sup></b>  |         | Master Kit (w/o Steels)..... | U660 .....2007-On |
| ---  | <b>K1600E-S<sup>1</sup></b> |         | Master Kit (w/o Steels)..... | U760 .....2008-On |
| <b>Steel Plate Sub-Kits:</b>   |                             |         |                              |                   |
| ---  | <b>K1600-9</b>              |         | Steel Plate Kit.....         | U660 .....2007-On |
| ---  | <b>K1600E-9</b>             |         | Steel Plate Kit.....         | U760 .....2008-On |
| <sup>1</sup> Kits do not include the molded rubber pistons, please order <b>K16900-4</b> (U660) or <b>K16900E-4</b> (U760) separately. |                             |         |                              |                   |

| <b>OVERHAUL KITS</b> |                            |  |                   |                   |
|----------------------|----------------------------|--|-------------------|-------------------|
| ---                  | <b>K16900<sup>1</sup></b>  |  | Overhaul Kit..... | U660 .....2007-On |
| ---                  | <b>K16900E<sup>1</sup></b> |  | Overhaul Kit..... | U760 .....2008-On |

| <b>GASKET AND RUBBER COMPONENTS</b> |               |   |                 |                   |
|-------------------------------------|---------------|---|-----------------|-------------------|
| 1D                                  | <b>16170</b>  | 1 | Pan Gasket..... | U660 .....2007-On |
| 1D                                  | <b>16170E</b> | 1 | Pan Gasket..... | U760 .....2008-On |

| <b>METAL CLAD SEALS</b> |               |   |                         |                  |
|-------------------------|---------------|---|-------------------------|------------------|
| 10B                     | <b>16526</b>  | 1 | Front Pump (Viton)..... | All .....2007-On |
| 11A                     | <b>83551</b>  | 1 | Right Axle .....        | All .....2007-On |
| 12C                     | <b>14551B</b> | 1 | Left Axle .....         | All .....2007-On |
| 13D                     | <b>68504</b>  | 1 | Manual Lever Shaft..... | All .....2007-On |

| <b>SEALING RINGS</b> |               |   |                                  |                  |
|----------------------|---------------|---|----------------------------------|------------------|
| ---                  | <b>K16901</b> | 1 | Sealing Ring Kit.....            | All .....2007-On |
| 20A                  | <b>16200T</b> | 3 | Input Clutch (Teflon) .....      | All .....2007-On |
| 22E                  | <b>14203P</b> | 2 | Direct Clutch (PEEK) .....       | All .....2007-On |
| ---                  | <b>16202P</b> | 1 | Intermediate Clutch (PEEK) ..... | All .....2007-On |

| <b>CLUTCH PLATES</b> |                   |     |                                       |                                      |
|----------------------|-------------------|-----|---------------------------------------|--------------------------------------|
| 30B                  | <b>16308</b>      | 3-4 | 2nd/6th Brake (B1) Friction.....      | 40T, .073" - 6.982" O.D. ....2007-On |
| 31B                  | <b>16309</b>      | 4   | 2nd/6th Brake (B1) Steel (U660) ..... | 11T, .073" - 6.045" I.D. ....2007-On |
|                      | <b>31B 16309E</b> | 3   | 2nd/6th Brake (B1) Steel (U760) ..... | 11T, .094" - 6.045" I.D. ....2008-On |
| 33B                  | <b>16308</b>      | 3   | 3rd/5th/Reverse (B3) Friction.....    | 40T, .073" - 6.982" O.D. ....2007-On |
| 34B                  | <b>16309A</b>     | 2   | 3rd/5th/Reverse (B3) Steel .....      | 11T, .087" - 6.045" I.D. ....2007-On |
| 36C                  | <b>16321</b>      | 4-5 | 1st/Reverse (B2) Friction .....       | 40T, .060" - 7.242" O.D. ....2007-On |
| 37C                  | <b>16322</b>      | 4-5 | 1st/Reverse (B2) Steel .....          | 16T, .063" - 6.430" I.D. ....2007-On |
| 38C                  | <b>16304</b>      | 2-3 | 4th/5th/6th (C2) Friction.....        | 40T, .071" - 6.552" O.D. ....2007-On |
| 39C                  | <b>16305A</b>     | 3-4 | 4th/5th/6th (C2) Steel.....           | 40T, .085" - 5.674" I.D. ....2007-On |
| 42D                  | <b>16304</b>      | 3-4 | 1st/2nd/3rd (C1) Friction.....        | 40T, .071" - 6.552" O.D. ....2007-On |
| 43D                  | <b>16305</b>      | 3-4 | 1st/2nd/3rd (C1) Steel.....           | 40T, .071" - 5.674" I.D. ....2007-On |
|                      | <b>43D 16305E</b> | 1   | 1st/2nd/3rd (C1) Steel (U760).....    | 40T, .118" - 5.674" I.D. ....2007-On |

# Toyota U660E/F & U760E/F Series (FWD 6-Speed)

Toyota U660 / 760E

| ILL. NO.   | PART NUMBER               | PER CAR | DESCRIPTION  | YEARS                   |
|--|---------------------------|---------|--|-------------------------|
| <b>BUSHINGS</b>  |                           |         |  |                         |
| ---  | <b>K16980</b>             | 1       | Bushing Assortment Kit .....   | 2007-On                 |
| ---  | <b>16005</b>              | 1       | Pump Bushing (1.817")..... <b>U660</b> .....   | 2007-09                 |
| ---  | <b>16005E</b>             | 1       | <b>Pump Bushing (1.856")..... U660 .....</b>   | <b>2010-On</b>          |
| ---  | <b>16005E</b>             | 1       | <b>Pump Bushing (1.856")..... U760 .....</b>   | <b>2008-On</b>          |
| <b>SPRAGS (U660)</b>   |                           |         |  |                         |
| 74C  | <b>16814</b>              | 1       | Sprag.....   | 2007-On                 |
| <b>TRANSMISSION OIL FILTERS</b>  |                           |         |  |                         |
| 75D  | <b>16600</b> <sup>2</sup> | 1       | Oil Filter..... <b>U660</b> .....  | 2007-On                 |
| 75D  | <b>16600E</b>             | 1       | Oil Filter..... <b>U760</b> .....  | 2008-On                 |
| 76D  | <b>ATK-270</b>            | 1       | Oil Filter Kit..... <b>U660</b> .....  | 2007-On                 |
| <sup>2</sup> Please See Filter Pictures on Page 13.11-1 for Visual Identification.   |                           |         |  |                         |
| <b>MOLDED RUBBER PISTONS</b>   |                           |         |  |                         |
| ---  | <b>K16900-4</b>           | 1       | Molded Rubber Piston Kit..... <b>U660</b> .....  | 2007-09                 |
| ---  | <b>K16900A-4</b>          | 1       | <b>Molded Rubber Piston Kit .....</b>  | <b>2010-On</b>          |
| ---  | <b>K16900E-4</b>          | 1       | Molded Rubber Piston Kit..... <b>U760</b> .....  | 2008-On                 |
| 81B  | <b>16843</b>              | 1       | 3rd/5th/Rev (B3) Piston (Molded Rubber) .....  | <b>U660</b> .....       |
| 84D  | <b>K16841</b>             | 1       | 1st/2nd/3rd (C1) Piston and Retainer Kit (Molded Rubber) <b>All</b> .....                  | 2007-On                 |
|  | <b>85E K16844</b>         | 1       | <b>4th/5th/6th (C2) Piston &amp; Sleeve/Seal Kit (Molded Rubber) U660.....</b>             | <b>2007-09</b>          |
|  | <b>85E K16844E</b>        | 1       | <b>4th/5th/6th (C2) Piston &amp; Sleeve/Seal Kit (Molded Rubber) U760 (U660 2010-On)..</b> | <b>2008-On</b>          |
| <b>ELECTRONIC COMPONENTS (U660)</b>  |                           |         |  |                         |
| <b>Note : When ordering a Solenoid, please add the (-R) suffix for a Remanufactured Unit, if Desired.</b>                              |                           |         |  |                         |
| 90E  | <b>16871</b>              | 1       | Shift Solenoid (SL1) ..... <b>Brown Connector - Large Body</b> .....                       | 2007-On                 |
| 91E  | <b>16872</b>              | 1       | Shift Solenoid (SL2) ..... <b>Black Connector - Large Body</b> .....                       | 2007-On                 |
| 92E  | <b>16871</b>              | 1       | Shift Solenoid (SL3) ..... <b>Brown Connector - Large Body</b> .....                       | 2007-On                 |
| 93E  | <b>16872</b>              | 1       | Shift Solenoid (SL4) ..... <b>Black Connector - Large Body</b> .....                       | 2007-On                 |
| 94E  | <b>16870</b>              | 1       | TCC Solenoid (SL) ..... <b>Blue Connector w/Bracket</b> .....                              | 2007-On                 |
| 95E  | <b>16874</b>              | 1       | TCC Pressure Solenoid (SLU) ..... <b>Small Body</b> .....                                  | 2007-On                 |
| 96E  | <b>16879</b>              | 1       | Line Pressure Solenoid (SLT) ..... <b>Small Body</b> .....                                 | 2007-On                 |
| 97E  | <b>16869</b>              | 1       | Internal Wiring Harness .....  | 2007-On                 |
| 98D  | <b>16878</b>              | 1       | Case Connector to Wiring Harness Adapter .....   | 2007-On                 |
| 99D  | <b>K16875</b>             | 1       | Input & Output Speed Sensor Assembly.....  | 2007-On                 |
| 100E   | <b>16878T</b>             | 1       | Pressure Switch Manifold w/TOT .....   | 2007-On                 |
| 101D   | <b>16877</b>              | 1       | Inhibitor Switch.....  | 2007-On                 |
| <b>HARD PARTS &amp; MISCELLANEOUS (U660)</b>   |                           |         |  |                         |
| <b>Note : When ordering Hard Parts, please add the appropriate suffix : (-R) Reman, (-U) Used, (-A) Aftermarket.</b>                   |                           |         |  |                         |
| ---  | <b>K16944</b>             | 1       | <b>Shift Kit (TransGo) .....</b>   | <b>U660.....2007-On</b> |
| ---  | <b>K16944E</b>            | 1       | <b>Shift Kit (TransGo) .....</b>   | <b>U760.....2008-On</b> |
| <b>Addresses: No Reverse HOT, 2-3 Cutloose, Shuttle Shifting, Slips with Throttle in 3rd and 4th, TCC Codes, No TCC and Rough TCC.</b> |                           |         |  |                         |
| ---  | <b>U660E-ZIP</b>          | 1       | <b>Zip Kit (Sonnax, Drop-in Components).....</b>   | <b>2007-On</b>          |
| ---  | <b>U760E-ZIP</b>          | 1       | <b>Zip Kit (Sonnax, Drop-in Components).....</b>   | <b>2008-On</b>          |
| 105A   | <b>16834</b>              | 1       | Underdrive Planetary.....  | 2007-On                 |
| 106A   | <b>16865</b>              | 1       | Underdrive Sun Gear .....  | 2007-On                 |
| 107A   | <b>16864</b>              | 1       | Underdrive Ring Gear .....   | 2007-On                 |
| 118B   | <b>16895</b>              | 1       | Pump Body and Gears .....  | 2007-On                 |
| 119B   | <b>K16895</b>             | 1       | Pump Assembly .....  | 2007-On                 |
| 130C   | <b>16833</b>              | 1       | Output Planetary .....   | 2007-On                 |
| 131C   | <b>16859</b>              | 1       | Output Ring Gear .....   | 2007-On                 |
| 132C   | <b>16858</b>              | 1       | Output Ring Gear Hub.....  | 2007-On                 |
| 136D   | <b>16860</b>              | 1       | Output Sun Gear and Hub.....   | 2007-On                 |
| 140D   | <b>16801</b>              | 1       | 1st/2nd/3rd Drum .....   | 2007-On                 |
| 147E   | <b>16825</b>              | 1       | Rear Cover .....   | 2007-On                 |
| 150E   | <b>70-120A</b>            | 1       | Reman Valve Body.....  | 2007-On                 |