

# Aisin TF-60/62/61SN (09G, 09K, 09M) FWD 6-Spd.

ILL. NO.	PART NUMBER	PER CAR	DESCRIPTION	YEARS
	<b>TMAWTF60</b>		Technical Manual.....	2003-On
<b>REBUILDER KITS</b>				
---	<b>K8900-S</b> <sup>1</sup>		Master Kit (w/o Steels)..... <b>09G w/55T K2 Frictions &amp; .066" K1 Frictions</b> .....	2003-On
---	<b>K8900A-S</b> <sup>1</sup>		Master Kit (w/o Steels) <b>09G w/60T K2 Frictions,.059" K1 Frictions -Mini &amp; 2.5L Jetta</b> .....	2005-On
---	<b>K8900B-S</b> <sup>1</sup>		Master Kit (w/o Steels)..... <b>09K</b> .....	2003-On
---	<b>K8900D-S</b> <sup>1</sup>		Master Kit (w/o Steels)..... <b>09M</b> .....	<b>2006-On</b>
<b>Steel Plate Sub-Kits:</b>				
----	<b>K8900-9</b>		Steel Plate Kit..... <b>09G &amp; 09K</b> .....	2003-On
----	<b>K8900D-9</b>		Steel Plate Kit..... <b>09M</b> .....	<b>2006-On</b>
<sup>1</sup> Kits <b>do not</b> include Molded Rubber Pistons, please order <b>K89900-4 /BL (09G/K) or K89900D-4 (09M)</b> separately.				
<b>OVERHAUL KITS</b>				
---	<b>K89900</b> <sup>1</sup>		Overhaul Kit..... <b>09G / TF60</b> .....	2003-On
---	<b>K89900B</b> <sup>1</sup>		Overhaul Kit..... <b>09K / TF62</b> .....	2003-On
---	<b>K89900D</b> <sup>1</sup>		Overhaul Kit..... <b>09M / TF61</b> .....	<b>2006-On</b>
<b>GASKET AND RUBBER COMPONENTS</b>				
---	<b>89170</b>	1	Molded Rubber Pan Gasket ( <b>8 Bolt Holes</b> ) ..... <b>09G</b> .....	2003-On
---	<b>89170B</b>	1	Molded Rubber Pan Gasket ( <b>7 Bolt Holes</b> ) ..... <b>09K</b> .....	2003-On
---	<b>89170D</b>	1	Molded Rubber Pan Gasket ( <b>9 Bolt holes</b> ) ..... <b>09M</b> .....	<b>2006-On</b>
---	<b>89100</b>	<b>1</b>	<b>Pump O'Ring</b> ..... <b>All</b> .....	<b>2003-On</b>
---	<b>89101</b>	<b>1</b>	<b>Pump Gasket</b> ..... <b>All</b> .....	<b>2003-On</b>
<b>METAL CLAD SEALS</b>				
---	<b>89526</b>	1	Pump Seal..... <b>All</b> .....	2003-On
---	<b>88551N</b>	1-2	Axle Seals ( <b>Left &amp; Right</b> ) ..... <b>09G</b> .....	2003-On
---	<b>89551B</b>	1-2	Axle Seals ( <b>Left &amp; Right</b> ) ..... <b>09K &amp; 09M (Left)</b> .....	2003-On
---	<b>89551D</b>	1	Axle Seals ( <b>Right</b> ) ..... <b>09M (FWD)</b> .....	<b>2006-On</b>
---	<b>89553D</b>	<b>1</b>	<b>Axle Seals (Right)</b> ..... <b>09M (AWD)</b> .....	<b>2006-On</b>
---	<b>68204</b>	<b>1</b>	<b>Manual Lever Seal</b> ..... <b>All</b> .....	<b>2003-On</b>
<b>SEALING RINGS</b>				
---	<b>K89901</b>	1	Sealing Ring Kit ( <b>Teflon</b> ) ..... <b>All</b> .....	2003-On
---	<b>65201RT</b>	2	Pump Stator to K3 Drum.....	2003-On
---	<b>81201T</b>	3	Input Shaft.....	2003-On
---	<b>89201T</b>	2	Input Shaft to K1 Drum.....	2003-On
---	<b>89202T</b>	2	Case Stator to K1 Drum.....	2003-On
<b>CLUTCH PLATES</b>				
---	<b>89310</b>	3	3rd, 5th & Reverse ( <b>K3</b> ) Friction..... <b>56T, .066" - 6.180" O.D.</b> .....	2003-On
---	<b>89310D</b>	3-5	3rd, 5th & Reverse ( <b>K3</b> ) Friction..... <b>56T, .059" - 6.180" O.D.</b> .....	2003-On
---	<b>89311</b>	3-5	3rd, 5th & Reverse ( <b>K3</b> ) Steel..... <b>40T, .071" - 5.149" I.D.</b> .....	2003-On
---	<b>89304</b>	5-6	1st, 2nd, 3rd, & 4th ( <b>K1</b> ) Friction..... <b>56T, .066" - 5.790" O.D.</b> .....	2003-On
---	<b>89304A</b>	5-6	1st, 2nd, 3rd, & 4th ( <b>K1</b> ) Friction..... <b>56T, .059" - 5.790" O.D.</b> .....	2003-On
---	<b>89305</b>	5-6	1st, 2nd, 3rd, & 4th ( <b>K1</b> ) Steel..... <b>40T, .071" - 5.149" I.D.</b> .....	2003-On
---	<b>89302</b>	4-6	2nd & 6th ( <b>B1</b> ) Friction..... <b>40T, .066" - 7.245" O.D.</b> .....	2003-On
---	<b>89303</b>	3-6	2nd & 6th ( <b>B1</b> ) Steel..... <b>12T, .071" - 6.611" I.D.</b> .....	2003-On
---	<b>89321</b>	5-6	1st & Reverse ( <b>B2</b> ) Friction..... <b>56T, .066" - 6.716" O.D.</b> .....	2003-On
---	<b>89321D</b>	6	1st & Reverse ( <b>B2</b> ) Friction..... <b>56T, .060" - 6.716" O.D.</b> .....	2003-On
---	<b>89322</b>	4-5	1st & Reverse ( <b>B2</b> ) Steel..... <b>14T, .071" - 6.220" I.D.</b> .....	2003-On

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AW TF-60SN (09G/K/M)

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<b>CLUTCH PLATES - CONTINUED</b>				
---	<b>89308</b>	3-5	4th, 5th & 6th (K2) Friction ..... 55T, .066" - 5.725" O.D. ....	2003-On
---	<b>89308A</b>	4-6	4th, 5th & 6th (K2) Friction ..... 60T, .060" - 5.725" O.D. ....	2003-On
---	<b>89308D</b>	4	4th, 5th & 6th (K2) Friction ..... 60T, .067" - 5.725" O.D. ....	2003-On
---	<b>89309</b>	3-6	4th, 5th & 6th (K2) Steel..... 24T, .071" - 5.000" I.D. ....	2003-On
---	<i>K8900-F</i>	1	<i>Friction Module (09G w/55T K2 Frictions) .....</i>	<i>2003-On</i>
---	<i>K8900A-F</i>	1	<i>Friction Module (09G w/60T K2 Frictions) .....</i>	<i>2003-On</i>
---	<i>K8900B-F</i>	1	<i>Friction Module (09K) .....</i>	<i>2003-On</i>
---	<i>K8900D-F</i>	1	<i>Friction Module (09M) .....</i>	<i>2006-On</i>
<b>BUSHINGS</b>				
---	<b>K89980</b>	1	Bushing Kit ..... 09G .....	2003-On
---	<b>K89980Y</b>	1	Bushing Kit (Bronze) ..... 09G .....	2003-On
---	<b>89005</b>	1	Pump Bushing .....	2003-On
---	<b>89007Y</b>	1	Rear Case Bushing (Oversized - Bronze) .....	2003-On
<b>Note: For Removal and Installation, Use w/K89911Y Case Repair Tool.</b>				
---	<b>89070</b>	AR	Solenoid Bushings (Sol Pro - Use with K89912 Tool, 2 per Solenoid) .....	2003-On
<b>THRUST WASHERS</b>				
---	<b>K89940</b>	1	Thrust Washer Kit.....	2003-On
---	<b>89400</b>	1	Pump Washer (In Overhaul Kit) .....	2003-On
---	<b>89403</b>	1	Front Planetary Washer (In Overhaul Kit) .....	2003-On
<b>TRANSMISSION OIL FILTERS</b>				
---	<b>89600</b>	1	Oil Filter (Flat Rectangular Inlet) ..... 09G .....	2003-On
---	<b>89600A</b>	1	Oil Filter (Raised Rectangular Inlet) ..... 09G .....	2005-On
---	<b>89600AM</b>	1	Oil Filter (Raised .600" Tall Oval Inlet) .... 09G Mini Cooper .....	2005-On
---	<b>89600AMS</b>	1	<i>Oil Filter (Raised .800" Tall Oval Inlet) .... 09G Mini Cooper .....</i>	<i>2005-On</i>
---	<b>89600AG</b>	1	<i>Oil Filter (Plastic Body w/3-Mounting Holes Raised Oval Inlet - 09G .....</i>	<i>2014-On</i>
---	<b>89600AJ</b>	1	<i>Oil Filter (Plastic Body w/3-Mounting Holes Flat Oval Inlet - 09G .....</i>	<i>2014-On</i>
---	<b>89600B</b>	1	Oil Filter ..... 09K .....	2005-On
---	<b>89600D</b>	1	Oil Filter ..... 09M .....	2006-On
<b>Note: For Filter Visual I.D., please see page 4.2-4.</b>				
<b>SPRAGS</b>				
---	<b>89813</b>	1	Low Sprag (F1) ..... 09G .....	2003-On
<b>MOLDED RUBBER PISTON KITS</b>				
---	<i>K89900-4</i>		<i>Molded Rubber Piston Kit ..... All, Except 09M .....</i>	<i>2003-On</i>
---	<i>K89900-4BL</i>		<i>Molded Rubber Piston Kit (HP Blue) ..... All, Except 09M .....</i>	<i>2003-On</i>
---	<i>K89900D-4</i>		<i>Molded Rubber Piston Kit ..... 09M .....</i>	<i>2006-On</i>
---	<b>89844</b>	1	4th, 5th & 6th (K2) Apply Piston (.850" Tall)...All, Except 09M .....	2003-On
---	<b>89844D</b>	1	4th, 5th & 6th (K2) Apply Piston (.750" Tall, Lugs on O.D.) 09M .....	2006-On
---	<b>89848</b>	1	4th, 5th & 6th (K2) Balance Piston ..... All .....	2003-On
---	<b>89847</b>	1	1st, 2nd, 3rd, & 4th (K1) Balance Piston ..... (.390" Tall) .....	2003-On
---	<b>89847A</b>	1	<i>1st, 2nd, 3rd, &amp; 4th (K1) Balance Piston ..... (.475" Tall) .....</i>	<i>2005-On</i>
---	<b>89846</b>	1	3rd, 5th & Reverse (K3) Balance Piston ..... All .....	2003-On

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<b>ELECTRONIC COMPONENTS</b>				
<b>Note : When ordering Solenoids, for Aftermarket please add the (-A) Suffix, for Reman add (-R).</b>				
---	89871	1	SSA (N88) Shift "A" Solenoid (On/Off).....	2003-On
---	89871	1	SSB (N89) Shift "B" Solenoid (On/Off).....	2003-On
---	89870	1	TCC (N91) Torque Converter Clutch Solenoid (PWM).....	2003-On
---	89870-A	1	TCC (N91) Torque Converter Clutch Solenoid (PWM - Large Can, Rostra).....	2003-09
---	89870B-A	1	TCC (N91) Torque Converter Clutch Solenoid (PWM - Small Can, Rostra).....	2009-On
---	89871A	1	K1 (N92) Clutch Control Solenoid (PWM)..... Large Can .....	2003-09
---	89872	1	K2 (282) Clutch Control Solenoid (PWM)..... Large Can .....	2003-09
---	89873	1	K3 (N90) Clutch Control Solenoid (PWM)..... Large Can .....	2003-09
---	89874	1	B1 (N283) Band Control Solenoid (PWM)..... Large Can .....	2003-09
---	89879	1	EPC (N93) Pressure Control Solenoid (PWM).... Large Can .....	2003-09
---	89879-A	1-5	Control Solenoid (PWM- Can Replace K1, K2, K3, B1 & EPC - Large Can, Rostra).2003-09	
---	89879B-A	1-5	Control Solenoid (PWM- Can Replace K1, K2, K3, B1 & EPC - Small Can, Rostra) 2009-On Mini went to Small Can solenoids in 2009 and VW followed in 2010	
---	89878	1-2	K1or B2 Pressure Switches (Normally Open - Gold) .....	2003-04
---	89869A	1	Internal Solenoid Wiring Harness (14 Pin Connector) .....	2003-On
---	89869-5	1	Internal Sensor Harness w/TOT, 8-Pins (Units w/Pressure Switches) .....	2003-04
---	89869A-5	1	Internal Sensor Harness w/TOT, 6-Pins (Units w/o Pressure Switches) .....	2005-On
---	89875	1	Input Speed Sensor..... 2-Prong Blue Connector .....	2003-On
---	89876	1	Output Speed Sensor..... 2-Prong White Connector .....	2003-On
---	89877	1	MLPS (Manual Lever Position Switch) .....	2003-On
---	K89879-2	1	Solenoid Rebuilding Kit (Enough for One Unit, Use w/K89912 Tool) .....	2003-On
---	89070	AR	Solenoid Bushings (SolPro, Use for Renewing Solenoids, 2 per Solenoid) .....	2003-On
---	K89912	1	Solenoid Repair Tool (Omega/Sol Pro, Use for Disassembly and Reassembly) .....	2003-On
<b>SHIFT ENHANCEMENTS</b>				
---	K89944	1	Shift Kit ..... <b>TransGo</b> .....	2003-On
<b>Reduces/Corrects/Prevents:</b> Harsh Shifts, Cut-Loose, Rough Coasting Downshifts, Slow Pressure Rise and TCC Slip.				
---	K89989	1	Main Pressure Regulator & Boost Assembly..... <b>Sonnax</b> .....	2003-On
<b>Addresses:</b> Excess Pressure in Reverse, Fluid and Converter Lining Overheat. Use with K89589 Tool Kit.				
---	K89887	1	Lockup Clutch Control Valve Kit..... <b>Sonnax</b> .....	2003-On
<b>Addresses:</b> Harsh Downshifts, RPM Surging on Coast or Light Acceleration, Converter Apply/Release Complaints and Converter Slip. Use with K89587 Tool Kit.				
---	K89883	1	Secondary Regulator Valve Kit..... <b>Sonnax</b> .....	2003-On
<b>Addresses:</b> Overheating of Fluid, Bushings and Converter. Use with K89583 Reamers.				
---	K89884	1	Solenoid Modulator Valve Kit ..... <b>Sonnax</b> .....	2003-On
<b>Addresses:</b> DTC's P0734, P0735 or P0729, Slippage or Shock on Kickdown and Slips in 4th, 5th or 6th. Use with K89584 Tool Kit.				
---	K89882	1	B1 Brake Control Valve Kit..... <b>Sonnax</b> .....	2003-On
<b>Addresses:</b> Harsh Downshifts, Flare on 1-2, 2-3 & 5-6 Upshifts, B-1 Brake Failure, Firm 3-2, 2-1 or 6-5 Coast Downshifts, Driveability Change with Operating Temp. Use with K89582 Tool Kit.				
---	K89881	1	C1/K1 Clutch Control Valve Kit..... <b>Sonnax</b> .....	2003-On
<b>Addresses:</b> Flare Upshifts or Downshifts, Bind-Up, Clutch Overlap, Pressure Control Out-of-Range Codes. Use with K89581 Tool Kit.				
---	K89885	1	K2 Clutch Control Valve Kit ..... <b>Sonnax</b> .....	2003-On
<b>Addresses:</b> Flare Upshifts or Downshifts, Bind-Up, Clutch Overlap, Pressure Control Out-of-Range Codes. Use with K89585 Tool Kit.				
---	K89886	1	K3 Clutch Control Valve Kit ..... <b>Sonnax</b> .....	2003-On
<b>Addresses:</b> Flare Upshifts or Downshifts, Bind-Up, Clutch Overlap, Pressure Control Out-of-Range Codes. Use with K89586 Tool Kit.				
---	K89783	1-5	Clutch/Band/Line Accumulator Piston Kit..... <b>Sonnax</b> .....	2003-On
<b>Addresses:</b> Delayed Engagements, Slipping in Forward Gears and Burned Friction.				

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AW TF-60SN (09G/K/M)

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<b>SHIFT ENHANCEMENTS - CONTINUED</b>				
<b>K89788</b>	1		O'Ringed End Plug Kits ( <b>Five 9mm Plugs</b> ) ..... <b>Sonnax</b> ..... <b>Addresses:</b> Shift Complaints Associated with Circuit Pressure Loss.	2003-On
<b>K89788A</b>	1		O'Ringed End Plug Kits ( <b>Five 11mm Plugs</b> ) ..... <b>Sonnax</b> ..... <b>Addresses:</b> Shift Complaints Associated with Circuit Pressure Loss.	2003-On
<b>K89896W</b>	1		Oversized Manual Valve ..... <b>Sonnax</b> ..... <b>Addresses:</b> Reduced Line Pressure and Delayed Engagements. Use w/K89596W Tool.	2003-On
<b>K89880B</b>	1		<b>Oversized Main Relay Valve Kit</b> ..... <b>Sonnax</b> ..... <b>Addresses: No 4th, 5th or 6th, Gear Ratio/Solenoid Codes. Use w/K89580B Tool.</b>	2003-On
<b>K89990</b>	1		K-2 Clutch Seal Ring Sleeve ..... <b>Sonnax</b> ..... <b>Addresses:</b> The OEM Sleeve rotates on the case due to Insufficient press-fit, which restricts oil flow to the K-2 clutch (which is applied in 4th, 5th and 6th.) The Sonnax sleeve is designed for use with an anti-rotation pin and has an increased press-fit, which results in greater retention.	2003-On
<b>HARD PARTS AND VALVE BODIES</b>				
<b>K89895</b>	1		<b>Pump Assembly (Cast Iron)</b> ..... <b>09G</b> .....	2003-On
<b>89803</b>	1		<b>3-5/Rev (K3) Drum</b> ..... <b>09G w/Steel Piston</b> .....	2003-On
<b>89803A</b>	1		<b>3-5/Rev (K3) Drum</b> ..... <b>09G w/Aluminum Piston</b> .....	2003-On
<b>89831</b>	1		<b>Rear Planet (w/56 Or 48 B2 Clutch Splines)</b> ..... <b>09G</b> .....	2003-On
<b>95-111A</b>	1		Reman Valve Body ( <b>09G, 09M</b> w/Two Pressure Switches & Oil Cooler on Trans) .....	2003-04
<b>95-111C</b>	1		Reman Valve Body ( <b>09K</b> , w/Two Pressure Switches & Oil Cooler Separate From Trans) .....	2003-04
<b>95-111B</b>	1		Reman Valve Body ( <b>09G/M</b> w/o Pres Switches, Cooler on Trans, <i>Large Can Sol. Exc. Mini</i> ) ....	2005-On
<b>95-111BS</b>	1		Reman Valve Body ( <b>09G/M</b> w/o Pres Switches, Cooler on Trans, <i>Small Can Sol. Exc. Mini</i> ) ....	2005-On
<b>95-111ML</b>	1		Reman Valve Body ( <b>09G/M</b> w/o Pres Switches, Cooler on Trans, <i>Large Can Sol. Mini Coop</i> ) ..	2005-On
<b>95-111MS</b>	1		Reman Valve Body ( <b>09G/M</b> w/o Pres Switches, Cooler on Trans, <i>Small Can Sol. Mini Coop</i> ) ..	2005-On
<b>95-111D</b>	1		Reman Valve Body ( <b>09K</b> , w/o Pressure Switches & Oil Cooler Separate From Trans) .....	2005-On
<b>95-111DS</b>	1		Reman Valve Body ( <b>09K</b> w/o Pres Switches, <i>Small Can Solenoids</i> ) .....	2007-On
<b>89684</b>	1		Oil Pan ( <b>09G, Units w/89600 Filter</b> ) .....	2003-On
<b>89684A</b>	1		<b>Oil Pan (09G, Units w/89600A Filter)</b> .....	2006-On