

Transmission Type... 62TE

Rebuilder's Kwik Reference Guide



Clutch Clearances

Adjusted By:

Low/Reverse Clutch Pack Clearance	0.035-0.058"	Non-Adjustable
Reverse Clutch	0.030-0.049"	Non-Adjustable
Overdrive Clutch	0.019-.092"	Non-Adjustable
Underdrive Clutch	0.036-0.058"	Selective Pressure Plates
2/4 Clutch Clearance	0.030-0.104"	Non-Adjustable
Low Clutch Clearance019-.030"	Non-Adjustable
Direct Clutch Pack Clearance	0.037-0.056	Non-Adjustable

Torque Specifications

Bolt, Output Transfer Gear	200 Ft. Lbs.	Bolts, Speed Sensors	105 In. Lbs.
Screws, Low/Reverse Piston Retainer to Case... 45 In. Lbs.		Bolts, Transaxle to Engine.....	52 Ft. Lbs.
Bolts, Oil Pump to Case.....	22 Ft. Lbs.	Bolts, Torque Converter to Driveplate.....	44 Ft. Lbs.
Bolts, Reaction Shaft to Pump Housing.....	20 Ft. Lbs.	Bolt, Torque Converter Dust Shield.....	88 Ins. Lbs.
Bolts, Stirrup Strap	17 Ft. Lbs.	Bolts, Exhaust Stand Off Bracket	70 Ft. Lbs.
Bolts, Differential Cover	45 Ft. Lbs.	Bolts, Engine Front Mount/Bracket.....	50 Ft. Lbs.
Bolts, Differential Output Bearing Cover....	105 In. Lbs.	Fitting, Power Steering Hoses to Steering Gear.....	23 Ft. Lbs.
Bolts, Remote Pinion Cover	140 In. Lbs.	Bolts, Torque Strut.....	40 Ft. Lbs.
Bolts, Compounder Bearing Retainer.....	105 In. Lbs.	Nuts, Link to Strut.....	65 Ft. Lbs.
Nut, Transfer Gear (underdrive compounder side)	200 Ft. Lbs.	Bolt, Crankshaft Position Sensor.....	105 In. Lbs.
Bolts, Transfer Gear Cover to Case.....	105 In. Lbs.	Bolts, Valve Body Transfer Plate.....	50 In. Lbs.
Pipe Plug, Park Pawl	20 Ft. Lbs.	Bolt, Line Pressure Solenoid (VSF)	50 In. Lbs.
Set Screw, Park Pawl Shaft.....	10 In. Lbs.	Bolt, Line Pressure Solenoid.....	50 In. Lbs.
Set Screw, Manual Lever.....	10 In. Lbs.	Bolts, Line Pressure Sensor.....	50 In. Lbs.
Bolts, Valve Body.....	50 In. Lbs.	Bolts, Clamp Plate	50 Ins. Lbs.
Bolt, Detent Spring	50 In. Lbs.	Bolts, Ring Gear to Case.....	70 Ft. Lbs.
Bolts, Valve Body Oil Pan	105 In. Lbs.	Bolts, Cradle to body.....	120 Ft. Lbs.
Nuts, Fluid Filter Mounting	40 In. Lbs.	Nuts, Rear Mount to Cradle	40 Ft. Lbs.
Bolts, Fluid Filter Oil Pan	105 In. Lbs.	Bolt, Ground cable.....	90 In. Lbs.
		Bolt, Power Steering Line	90 In. Lbs.

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Unit End Plays

Front Sun Gear Bushings	1.163-1.165 in.
Rear Carrier Bushing.....	1.171-1.181 in.
Overdrive Hub/Shaft Bushing.....	0.847-0.850 in.
Oil Pump Reaction Support Sleeve	1.782-1.784 in.
Oil Pump Outer Gear to Pump Pocket.....	0.0035-0.0079 in.
Oil Pump Outer Gear to Crescent.....	0.0023-0.0117 in.
Oil Pump Inner Gear to Crescent.....	0.0036-0.0151 in.
Oil Pump Between Both Gear end Faces and the Reaction Shaft Support.....	0.0008-0.0018 in.
Front/Rear Carrier Pinion End Play	0.006-0.024 in.
Torque Converter Hub Bushing	1.499-1.501 in.
Output Carrier Pinion End Play.....	0.006-0.030 in.
Direct Clutch Retainer Bushing.....	1.563-1.565 in.
Low Clutch Retainer Bushing (Steel).....	1.111-1.113 in.
Low Clutch Retainer Bushing (Brass)	1.181-1.182 in.
Input Shaft End Play.....	0.005-0.025 in.

Turning Torque

Output Shaft Gear Drag Torque	3-8 in.
Final Drive Remote Pinion Drag Torque.....	2-8 in.
Differential Turning Torque.....	10-20 in.

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Solenoid, Pressure Switch and Clutch Application Chart

			Solenoid								Pressure Switch					Clutch						
Gear	Ratio	LP (PSI)	VFS	PWM	PWM	PWM	PWM	PWM	PWM	VFS	OD	L/R	2-4	LC	DR	UD	OD	L/R	2-4	LC	DR	REV
			LP	UD	OD	PND L/R	2-4 R-L/R	LC	DR	LU												
P/N		135	dcc			x						x						x				
Rev	3.215	235	dcc															x		x		x
OD-1	4.127	135	dcc	x		x	x	x(a)				x		x(a)		x		x		x(a)		
OD-2	2.842	135	dcc	x		x	x		x			x			x	x		x				x
OD-3	2.284	135	dcc						x	(dcc)			x	x		x			x	x		
Default	2.284	135	dcc													x			x			
OD-4'	1.573	135	dcc							x	(dcc)		x		x	x			x		x	
OD-4	1.452	95	dcc		x		x	x		dcc	x			x		x	x			x		
OD-5	1.000	95	dcc		x		x		x	dcc	x				x	x	x					x
OD-6	0.689	95	dcc	x	x						x		x		x		x		x			x

(a) released after output exceeds 150 rpm. Not released in Manual -1

dcc - duty cycle control

(dcc) - overheat strategy only

4" - fourth prime

← - 2-3, 3-2, 4-2 - Double Swap Shifts

←---- - 6-4' - Kickdown to fourth prime

PWM - Pulse Width Modulated

VFS - Variable Force

LP - Line Pressure

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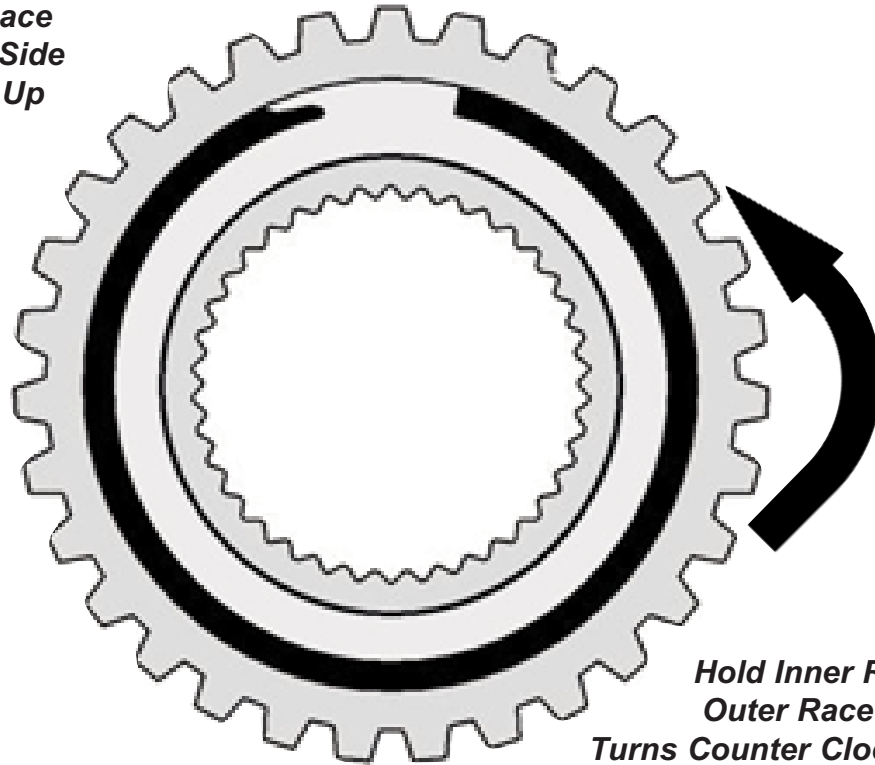
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Sprag Rotation

One-Way Clutch (Overrun Sprag) Freewheel and Hold

*Outer Race
Smooth Side
Facing Up*



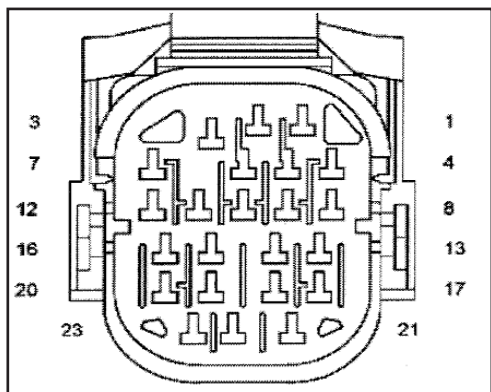
*Hold Inner Race
Outer Race
Turns Counter Clockwise*

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Solenoid and Harness Information



Pin #	Assignment	Plating	Pin #	Assignment	Plating
1	LP RTN GRND	Gold	13	C4	Tin
2	LR Solenoid	Tin	14	2/4 PS	Gold
3	VFS EMCC +	Tin	15	DR PS	Gold
4	LP +5V	Tin	16	LR PS	Gold
5	CI	Tin	17	LC Solenoid	Tin
6	LP Signal	Gold	18	LC PS	Gold
7	UD Solenoid	Tin	19	OD Solnoid	Tin
8	C2	Tin	20	DR Solenoid	Tin
9	C3	Tin	21	2/4 Solenoid	Tin
10	Common Bus Bar	Tin	22	Thermistor Sense	Tin
11	OD PS	Gold	23	Thermistor Ground	Tin
12	VFS VLP +	Tin			

Solenoid Resistance Chart

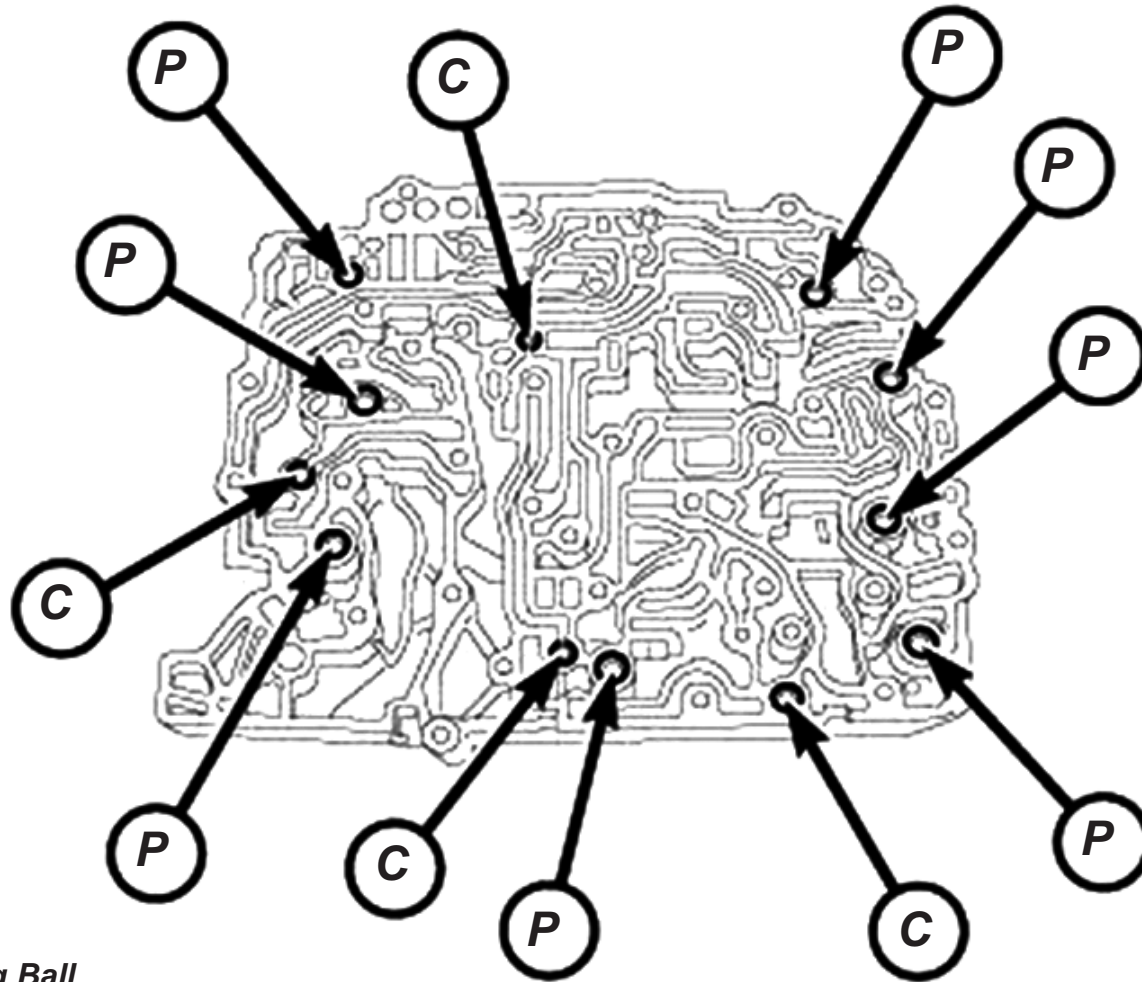
Positive Meter Lead	Negative Meter Lead	Componet	Resistance
10	2	L/R Solenoid	2
	3	EMCC Solenoid	5
	7	UD Solenoid	2
	11	OD PS Resistor	300
	12	LP Solenoid	6
	14	2-4 PS Resistor	300
	15	DC PS Resistor	300
	16	L/R PS Resistor	300
	17	LC Solenoid	2
	18	LC PS Resistor	300
	19	OD Solenoid	2
22	20	DC Solenoid	2
	21	2-4 Solenoid	2
22	23	TFT Sensor	11k @ room temp

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Tips for Rebuilding - Check Ball Locations



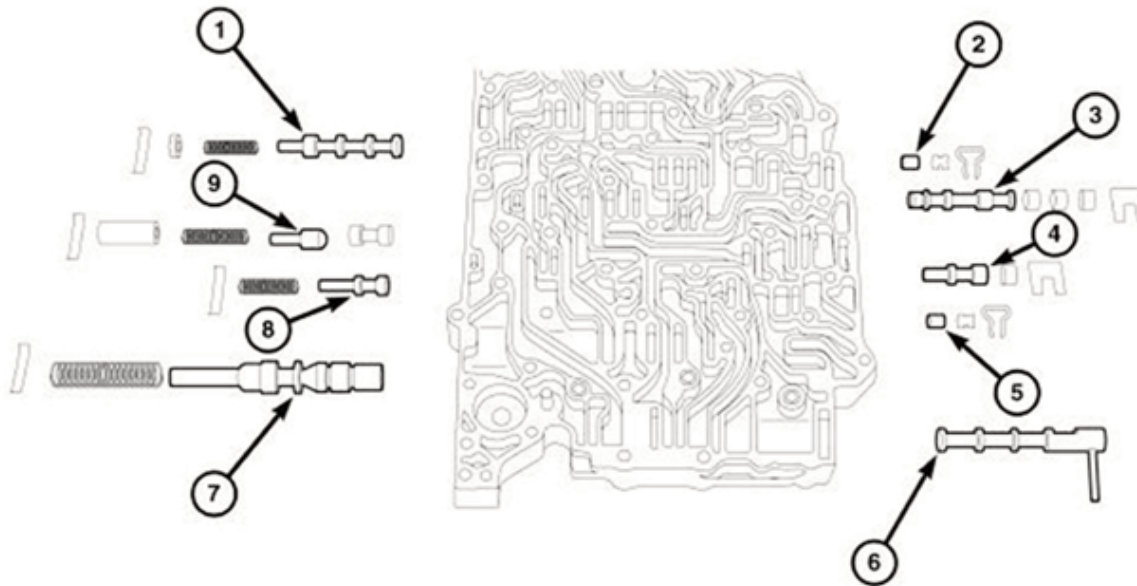
C-Check Ball
P-Passage Plug Ball

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Tips for Rebuilding - Valve Body



1	<i>Converter Clutch Switch Valve</i>
2	<i>L/R Switch Valve</i>
3	<i>Solenoid Switch Valve</i>
4	<i>DC Switch Valve</i>
5	<i>LC Switch Valve</i>
6	<i>Manual Valve</i>
7	<i>Pressure Regulator Valve</i>
8	<i>Torque Converter Regulator Valve</i>
9	<i>Converter Clutch Control Valve</i>

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Tips for Rebuilding - Accumulator and Case ID

