

## ACURA/HONDA

TRANSMISSION		YEAR	BOOK	PAGE
4 SPEEDS:	CHRONIC INTERNAL LEAKS, CLUTCH FAILURE, POOR SHIFT QUALITY	2000	BLUE	14
	WRONG GEAR STARTS, SHUTTLE SHIFTS/WITH GRADE LOGIC SYSTEM	2000	BLUE	74
	96-99 CIVIC, ACCORD NO TCC APPLICATION	2000	BLUE	77
	03 HONDA ACCORD NO REVERSE	2004	BLUE	10
	"S" OR "D4" ALWAYS ON, STUCK IN HIGH GEAR	2006	BLUE	9
	REVERSE IDLER GEAR ORIENTATION	2006	BLUE	27
	CODE P1298 DIAGNOSIS, ELD CIRCUIT HIGH	2007	RED	110
	02-04 SHIFTER STUCK IN PARK	2007	RED	113
5 SPEEDS	SLIPS IN 2ND GEAR	2013	BLUE	76
	SLIPS 3RD GEAR, THIRD CLUTCH FAILURE	2012	BLUE	9
	SLIPS IN 2ND GEAR	2013	BLUE	76
	AFTER REBUILD BINDS, MISSING SHIFTS, STALLS	2024	BLUE	10
6 SPEEDS	SOLENOID BODY AVAILABILITY	2019	BLUE	42
A4RA/B4RA/M4RA	FLAIRED OR HARSH UPSHIFTS	2002	BLUE	4
	DELAYED FORWARD ENGAGEMENT, SLIPPING IN LOW GEAR	2004	BLUE	5
BO9A	SETTING CODE PO716	2018	BLUE	8
B36A	NO 2ND GEAR, SETTING PO732, P1780, AFTER REBUILD	2018	BLUE	12
B5RA/B5SA	2012-2014 CRV'S, LIGHT THROTTLE VIBRATIONS	2020	BLUE	9
B7XA/B7TA/B7YA	REVERSE GRIND OR BANG	2004	BLUE	6
	DESTRUCTION OF COUNTERSHAFT SPEED SENSOR	2004	BLUE	7
	FLARES OR SLIPS ON UPSHIFTS	2008	BLUE	31
	"MIL" LIGHT ON, SETTING P1705	2008	BLUE	35
	BIND UP IN REVERSE WHEN "HOT"	2009	BLUE	11
	PO740 AND TCS 31-2 CODES SET	2013	BLUE	72
	SETTING CODE P1753, MAY ALSO SET P1298	2016	BLUE	12
B90A	SETTING DTC PO977 AND PO756	2024	BLUE	18
B97A	ENGINE SURGE, LOCKUP CYCLING AT 25-50 MPH	2019	BLUE	44
BAXA/MAXA/M6HA	DELAYED REVERSE, 1-2 BIND UP, HARSH DRIVE ENGAGEMENT	2002	BLUE	68
	PRELIMINARY INFORMATION	2003	BLUE	68
	WRONG GEAR STARTS, MULTIPLE SHIFT COMPLAINTS	2007	RED	115
M7WA	SLIPPING ON THE 2-3 SHIFT	2024	BLUE	4
BB7A	PRELIMINARY INFORMATION	2020	BLUE	10
	SETTING CODE P2765	2021	BLUE	8
	STARTER GRINDING AT START UP	2022	BLUE	67
BCLA	AFTER REBUILD, NO MOVEMENT	2023	BLUE	24
BDKA	AFTER REBUILD OR VB REPLACEMENT, NO REVERSE	2015	BLUE	30
	SETTING CODE PO723, INTERMITTENT SPEED SENSOR	2016	BLUE	4

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TRANSMISSION		YEAR	BOOK	PAGE
BJFA	AFTER REBUILD, BINDS IN REVERSE, MOVES FORWARD IN NEUTRAL	2020	BLUE	22
BMXA/M6HA/SLXA	PRELIMINARY INFORMATION SETTING CODE PO740	2003	BLUE	68
		2010	BLUE	5
BYBA/BYFA/MGHA	BEFORE AND AFTER REBUILD, GEAR NOISE NEUTRALIZING DOWNSHIFT TO 1ST SETTING CODE P1744 SETTING CODE PO741, TCC STUCK OFF	2009	BLUE	5
		2009	BLUE	7
		2017	BLUE	8
		2021	BLUE	10
BYKA	ERRATIC SHIFTS, 2-3 FLARE/BUMP, MAY SET PO776	2020	BLUE	20
BVGA	"JERKING" AT LIGHT THROTTLE, SETTING CODE PO743	2022	BLUE	61
G4/L5/PL5X	GRINDING OR BIND IN REVERSE	2001	BLUE	4
M8SA	WHINE NOISE IN PARK	2021	BLUE	5
MGHA	AFTER REBUILD, WRONG GEAR STARTS, VARIOUS SOLENOID CODES SET	2008	BLUE	28
MKZA/MCLA/MZKA	WHINING/BUZZING NOISE, TORQUE CONVERTER FAILURE	2013	BLUE	73
MCTA	NO START, AFTER TRANSMISSION REBUILD	2018	BLUE	4
MCVA	AFTER REBUILD, NO REVERSE, SETS CODE PO780,PO715,PO720	2014	BLUE	78
MIYA	AFTER TRANSMISSION SWAP, SETTING CODE PO983	2017	BLUE	6
MRMA	NEUTRALS IN 4TH GEAR, SETTING PO780, PO700	2016	BLUE	6
MT4A/M4TA	IN-LINE FILTER DIRECTION FLARE ON 3-4 SHIFT, DELAY BUMP REVERSE, SETS CODE P2714	2018	BLUE	10
		2019	BLUE	39
MYCA/SLYA,(CVT'S)	DELAYED HARSH ENGAGEMENTS, SHUDDER ON TAKE OFF START CLUTCH RELEARN PROCEDURE HIGH ENGINE RPM ON DECELERATION ENGINE STALLS IN REVERSE AND DRIVE "NOISEY" FORWARD AND REVERSE AT 5MPH AND ABOVE AFTER TRANSMISSION REBUILD, SETTING CODE UO401-68 SETTING CODE UO401-68, MAY ALSO SET CODE UO402-68	2003	BLUE	84
		2003	BLUE	88
		2008	BLUE	39
		2016	BLUE	10
		2022	BLUE	63
		2022	BLUE	66
		2023	BLUE	19
MZJA/MZHA	TRANSMISSION WHINE IN NEUTRAL	2017	BLUE	4
PGRA/P36A	07-2010 TORQUE CONVERTER CLUTCH VIBRATION	2013	BLUE	78
PL5X	GRINDING OR BIND IN REVERSE	2001	BLUE	4
PVLA	"D" LAMP AND VTM-4 LAMP ILLUMINATED, SETTING CODES PO748, P1298	2018	BLUE	14
XZXA/PMXA(10SP)	SAFETY RECALL, "MAY NOT HOLD IN PARK" PRELIMINARY INFORMATION	2023	BLUE	26
		2023	BLUE	29

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TRANSMISSION		YEAR	BOOK	PAGE
ZF9HP48	INTERMITTENT NO FORWARD, MAY SET PO730 AND PO7A6	2022	BLUE	5
MISC	INTERNAL LEAKS	2000	BLUE	14
	WRONG GEAR STARTS-GRADE LOGIC	2000	BLUE	74
	ALL MODELS WITH IN-LINE TRANS/VIBRATIONS	2004	RED	115
	OVERHEATED TORQUE CONVERTER, SETS PO740	2012	BLUE	14
	LIGHT SHUDDER, VEHICLES WITH ACTIVE CONTROL ENGINE MOUNT SYSTEM	2015	BLUE	32
	LOCKUP SHUDDER, VEHICLES WITH VARIABLE CYLINDER MANAGEMENT	2019	BLUE	46

## AISEN SIEKI-MULTI PLATFORM

TRANSMISSION		YEAR	BOOK	PAGE
450-43LE	PRELIMINARY INFORMATION	2003	WHITE	90
	SLIPPING OR NO 1ST, 3RD, OR REVERSE	2003	WHITE	98
	NO 3RD OR REVERSE	2004	WHITE	86
	FLYWHEEL/FLEXPLATE ALIGNMENT	2005	WHITE	90
	VB EXPLODED VIEWS AND IDENTIFICATION OF COMPONENTS	2006	WHITE	97
	NO REVERSE	2007	WHITE	91
	AFTER REBUILD, PREMATURE FORWARD CLUTCH FAILURE	2010	WHITE	33
	STUCK IN FAILSAFE WITH NO COMMUNICATION WITH TCM	2024	BLUE	30
AS68RC	PRELIMINARY INFORMATION	2010	WHITE	37
	CONVERTER OVERHEAT AND/OR K2 CLUTCH FAILURE	2012	WHITE	92
	NO FORWARD IN "D" RANGE, MOVES IN MANUAL LOW	2012	WHITE	94
	DECIPHERING PRESSURE SWITCH CODES	2012	WHITE	96
	SOFT SHIFTS, CLUTCH FAILURE	2012	WHITE	102
	EARLY TCC APPLY, NO PTO, OR NO 5TH,6TH,TCC APPLY	2013	RED	68
	VARIOUS SHIFT TRANSITION COMPLAINTS	2014	RED	56
	PRESSURE SWITCH FAULT AFTER REPLACEMENT	2014	RED	61
	COOLER LINE RETAINING CLIPS	2014	RED	63
	SETS PO706 RANGE SENSOR CODES AFTER REPAIRS	2014	RED	65
	PRESSURE CONTROL SOLENOID INTERCHANGE	2015	RED	84
	DODGE/MITSUBISHI VALVE BODY DIFFERENCES	2015	RED	88
	INTERNAL WIRING HARNESS AVAILABILITY	2016	RED	48
	DELAY, SLIP IN DRIVE AFTER REBUILD	2016	RED	53
	DEFFICULTY CLIMBING STEEP GRADES	2017	WHITE	99
	EARLY/HARSH UPSHIFTS, HARSH ENGAGEMENTS	2021	WHITE	148
AS69RC	PRELIMINARY INFORMATION	2018	WHITE	87
	HARSH SHIFTS, AND TOT LIGHT ILLUMINATES	2018	WHITE	116
	2015 R5500, VARIOUS ELECTRICAL FAULTS SET	2021	WHITE	150

## ALLISON

TRANSMISSION		YEAR	BOOK	PAGE
1000/2000	PRELIMINARY INFORMATION	2000	WHITE	53
	MORE PRELIMINARY INFORMATION	2001	WHITE	73
	5TH GEAR HUNTING UNDER LOAD	2004	WHITE	70
	3RD OR 5TH GEAR STARTS, MAT SET CODE PO705,706,708	2004	WHITE	72
	MID 03 AND UP ADDED MODULATED LINE PRESSURE	2005	WHITE	76
	DIAGNOSING PRESSURE SWITCH STUCK CODES	2007	WHITE	77

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TRANSMISSION		YEAR	BOOK	PAGE
1000/2000	NO UPSHIFTS, SETTING CODE PO708	2008	WHITE	86
	SETTING PO735, WHILE DRIVING ON THE HIGHWAY	2008	WHITE	90
	AFTER CONVERTER REPLACEMENT,TCC CYCLING OR SURGING	2008	WHITE	91
	06-UP NEW 6 SPEED VERSION PRELIMINARY INFORMATION	2009	WHITE	81
	AFTER REBUILD, NO FORWARD MOVEMENT, REVERSE OK	2010	WHITE	27
	FLUID OVERHEATING AND/OR NO ENGAGEMENT	2011	WHITE	40
	SETTING CODE PO562, IN FAILSAFE	2011	WHITE	45
	RESETTING SHIFT ADAPTS	2011	WHITE	50
	AFTER TRANSMISSION SERVICE, OVERHEATS, MAY SET CODES	2011	WHITE	52
	06-LATER, NO REVERSE	2012	RED	50
	MID 06-LATER P2 PLANETARY CARRIER CHANGES	2013	RED	58
	ERRATIC TRANSMISSION OPERATION, MAY SET PO880 AND/OR UO101	2013	RED	65
	2010 DURABILITY UPDATES	2015	RED	66
	TRANSMISSION OIL LEAK FROM BELLHOUSING	2016	RED	58
	PUMP WHINES	2016	RED	60
	TRANSMISSION OVERTEMP, MAY HAVE NO FORWARD MOVEMENT	2016	RED	62
	BIND UP ON INITIAL TAKE OFF AFTER REBUILD, MAY SET PO846 OR PO847	2016	RED	66
	AFTER REBUILD SETTING RATIO CODES, MAY SET PO746, PO776	2016	RED	68
	LOSE OF 3RD AND 5TH GEAR, SHIFTS ARE BEING COMMANDED	2016	RED	72
	4TH GENERATION ALLISON SETTING CODE PO960	2016	RED	74
	INTERMITTENT HARSH SHIFTS, MAY SET SOLENOID PERFORMANCE CODES	2016	RED	76
	2010-UP NEW ELECTRONIC VARIABLE LINE PRESSURE CONTROL	2016	RED	83
	09-UP 4TH, 5TH GENERATION "PROGNOSTICS" FLUID LIFE, TRANS HEALTH	2016	RED	88
	FIFTH GENERATION ELECTRONIC CONTROLS	2017	RED	84
	2013-UP REDUCED ENGINE LOAD AT A STOP (RELS) FEATURE	2017	RED	97
	ROTATING MODULE CHANGES, C1 AND C2 CLUTCH ASSEMBLY	2017	RED	106
	ANY ALLISON WITH THE MP3024 TC, JUMPING OUT OF REVERSE	2018	RED	83
	LATE AND HARSH SHIFTS, SETS CODES P1688 AND P1779	2018	RED	86
	SHIFT BUSYNESS, REDUCED POWER, OR UNWANTED GRADE BRAKING	2018	RED	88
	ERRATIC SHIFTS, NO MOVE, SETS CODES PO731 AND PO746	2019	RED	76
	SUDDEN HIGH GEAR START, SETS CODE PO880 AND UO101	2019	RED	78
	SLIPPING ON FORWARD "TAKE-OFF"	2020	RED	96
	NO MOVEMENT, SETTING CODE PO701	2021	RED	97
	SLIPPING IN DRIVE OR NO FORWARD MOVEMENT	2021	RED	99
	3-4 SHIFT DELAY, BANG IN 4TH GEAR, SETS CODE PO872	2022	RED	79
	ELIMINATION OF THE C1 CLUTCH BACKFILL VALVE	2022	RED	81
	GEARTRAIN BINDS-UP WHEN INSTALLING THE BELLHOUSING	2022	RED	84
	REDESIGNED C1 CLUTCH APPLY PISTON SEAL	2022	RED	88
	SETTING CODE PO700 AND PO776	2022	RED	90
	C1 PISTON HOUSING AND P3 RING GEAR CHANGE	2022	RED	92
	OCT 2021, 6 GENERATION ELECTRONIC CONTROLS	2022	RED	96
	SERIAL#6312000386 AND UP, INTERNAL PARTS CHANGES	2023	RED	103
	AFTER REBUILD, IMMEDIATE CONVERTER CLUTCH FAILURE	2023	RED	108
	2017-2019 SETTING DTC PO700	2024	RED	139
	2011's SETTING DTC PO962	2024	RED	151
10L1000	2ND GEAR STARTS, BEING COMMANDED, NORMAL OPERATION	2022	RED	99
	PRELIMINARY INFORMATION	2023	RED	110
AT545	ELECTRIC MODULATOR OPERATION	2008	WHITE	79
	LEAKING OUT THE BELLHOUSING	2008	WHITE	85

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50-42LE	VB EXP VIEWS AND COMPONENT IDENTIFICATION	2004	BLUE	66
	NO REVERSE	2004	BLUE	77
AF50-8	VALVE BODY AND SOLENOID IDENTIFICATION	2018	RED	38
AW4	GENERAL INFORMATION	1990	BLUE	35
	CHECK BALL LOCATIONS	1993	BLUE	95
	2-3 SLIP AND DELAYED REVERSE	1997	BLUE	58
	3RD GEAR STARTS	1998	RED	113
	TPS CODE WILL NOT CLEAR	2005	RED	72
AW55-50SN	PRELIMINARY INFORMATION	2005	BLUE	91
	TRANSMISSION OPERATING MODES	2009	BLUE	108
	VALVE BODY AND SOLENOID ID FOR SERVICE	2009	BLUE	115
	BUSHINGS AND/OR CASE FAILURE	2010	BLUE	118
	AFTER REBUILD, 2-3 AND/OR 4-3 FLARE	2013	BLUE	113
	HARSH REVERSE ENGAGEMENT, AFTER REBUILD	2013	BLUE	116
AW81-40LE	PRELIMINARY INFORMATION	2009	WHITE	65
TF60-SN	PRELIMINARY INFORMATION	2009	BLUE	16
	LOSS OF LUBE AFTER REBUILD	2009	BLUE	44
	SLIPPING 3-4 OR NEUTRAL 3-4	2009	BLUE	48
	AFTER REBUILD, NO 4TH,5TH,6TH OR REVERSE	2009	BLUE	49
	HARSH REVERSE, 3RD AND 5TH GEARS	2009	BLUE	53
TF80/81SC	PRELIMINARY INFORMATION	2007	RED	31
	GENERATION II CHANGES, IMPROVEMENTS	2020	BLUE	42
TR60-SN	PRELIMINARY INFORMATION	2010	BLUE	33

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TRANSMISSION		YEAR	BOOK	PAGE
01M	SOLENOID CIRCUIT CODES	2005	BLUE	89
	AFTER REBUILD BIND UP IN REVERSE AND 3-4 SHIFT	2010	BLUE	21
01J CVT	PRELIMINARY INFORMATION	2005	BLUE	63
	DELAYED FORWARD ENGAGEMENT, SHUDDER ON TAKE-OFF	2008	RED	91
	FORWARD CLUTCH DRUM AND PULLEY SERVICE UPDATE	2010	BLUE	7
	ENGAGEMENT ISSUES, MAY ALSO SET VAG CODE 17090	2010	BLUE	16
	AFTER REBUILD, SETTING CODE 17114 RATIO MONITORING	2013	BLUE	4
01V/ZF5HP19FL/FLA	NEUTRALS ON TAKE OFF	2006	BLUE	96
	AFTER REBUILD, NO UPSHIFT OR SHIFTS 1-2 THEN FAILSAFE	2006	BLUE	104
	NO REVERSE	2006	BLUE	114
	WHEN HOT, 2-3 FLARE OR LOSE OF 3RD AND/OR 4TH, SETS CODE 46	2013	BLUE	7
	FIRM ENGAGEMENT IN DRIVE, HARSH COAST DOWNSHIFTS	2013	BLUE	10
	VALVE BODY SMALL PARTS ID	2013	BLUE	15
02E(DSG)	AFTER REBUILD, SHIFT SHUDDERS AND/OR SHIFT ERRORS	2010	BLUE	31



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TRANSMISSION		YEAR	BOOK	PAGE
09D(TR60-SN)	PRELIMINARY INFORMATION	2010	BLUE	33
	TORQUE CONVERTER AND VB DIFFERENCES	2011	BLUE	108
09E/ZF6HP26	DELAYED ENGAGEMENT WHEN COLD, OR NO "D" ON FIRST ENGAGEMENT	2013	BLUE	57
	6-3 DOWNSHIFT GRUNT	2013	BLUE	62
	MANUAL ADAPTION RELEARN PROCEDURE	2017	BLUE	24
09G/09M	PRELIMINARY INFORMATION	2009	BLUE	16
	LOSS OF LUBE AFTER REBUILD	2009	BLUE	44
	SLIPPING 3-4 OR NEUTRAL 3-4	2009	BLUE	48
	AFTER REBUILD, NO 4TH, 5TH, 6TH, OR REVERSE	2009	BLUE	49
	AFTER REBUILD, NO REVERSE AND NEUTRALS IN 3RD	2009	BLUE	50
	HARSH REVERSE, 3RD, 5TH GEARS	2009	BLUE	53
	NO MOVEMENT, "PRNDL" LIGHTS FLASHING	2011	BLUE	122
	WHEN WARM, SETTING ISS AND/OR OSS CODES	2011	BLUE	123
	FLARED AND/OR HARSH SHIFTS	2011	BLUE	126
	SLIPS IN 1ST, NEUTRALIZES IN 2ND	2012	BLUE	129
	DRAGGING SENSATION/PARTIAL BIND-UP ON TAKE OFF	2014	BLUE	71
	AFTER REBUILD, FLARED SHIFTS	2016	BLUE	49
09L/ZF6HP19/FLA	PRELIMINARY INFORMATION	2013	BLUE	27
	VIBRATIONS ON TURNS	2013	BLUE	47
	GEAR NOISE, TRANSFER CASE GEARTRAIN FAILURE	2013	BLUE	48
	DELAYED ENGAGEMENT WHEN COLD, OR NO "D" ON FIRST ENGAGEMENT	2013	BLUE	57
0AM	SHUDDERS "TAKE OFF" OR NO MOVEMENT, SETTING CODE P17BF	2021	BLUE	81
0AW(CVT)	PRELIMINARY INFORMATION	2019	BLUE	137
	STOPS MOVING WHEN HOT	2021	BLUE	86
0B5/DL501(DSG)	PRELIMINARY INFORMATION	2016	BLUE	30
	GEARBOX MALFUNCTION MESSAGE DISPLAYED, MULTIPLE CODES SET	2021	BLUE	88
	ENGINE TEMP HIGH, TRANS IN "LIMP MODE"	2022	BLUE	12
	NO COMMUNICATION, SETTING CODE UO101	2023	BLUE	4
0CK(DSG)	SHIFTER RETURNS TO PARK	2020	BLUE	63
ZF6HP21/28/34	PRELIMINARY INFORMATION	2014	BLUE	31
ZF8HP45	PRELIMINARY INFORMATION	2015	WHITE	74

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4L30E	FILL AND CHECK PROCEDURES	1999	BLUE	87
	SELECTIVE WASHERS	2000	BLUE	108
	DTC 40 PCS CIRCUIT	2002	BLUE	46
	NO 4TH, FAILSAFE, GEAR RATIO CODES SET	2003	BLUE	31
	BIND ON TAKE OFF OR 2-3 SHIFT	2004	BLUE	15
	P1870 OR TCC SHUDDER	2005	BLUE	22
	PARTIAL STALL OR CONVERTER FAILURE	2007	BLUE	54

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TRANSMISSION		YEAR	BOOK	PAGE
4L30E	INADEQUATE LINE RISE	2008	BLUE	5
	NO REVERSE, BINDS IN 2ND	2008	BLUE	7
	PARTIAL STALL, TORQUE CONVERTER FAILURE	2008	BLUE	54
5L40E	PRELIMINARY INFORMATION	2002	WHITE	38
	NO 4TH GEAR	2004	BLUE	12
	LOW OR ERRATIC LINE PRESSURE	2005	WHITE	55
	DELAYED FORWARD ENGAGEMENT	2005	WHITE	56
	5TH GEAR RATIO CODES	2005	WHITE	57
	VALVE BODY DISASSEMBLY TIPS	2005	WHITE	58
	NO REVERSE	2007	WHITE	25
	DELAYED PARK TO DRIVE ON COLD START UP	2008	WHITE	9
	5TH GEAR RATIO ERROR CODES SET(PO735)	2008	WHITE	10
	1-2 BIND UP	2008	WHITE	11
	FALLING OUT OF 5TH, OR NO 5TH AT ALL	2008	WHITE	16
	AFTER REBUILD, HARSH OR SLIPPING SHIFTS	2008	WHITE	25
	SHIFT FEEL COMPLAINTS, ACCUMULATOR SPECIFICATIONS AND ID	2009	WHITE	41
6L45E/GA6L45R	06-UP NO ENGAGEMENT, MAY SET CODES	2013	BLUE	68
GA8F22AW	PRELIMINARY INFORMATION	2017	BLUE	62
GACVT16F(CVT)	SETTING RANDOM SOLENOID AND RATIO MOTOR CODES	2018	BLUE	18
	STUCK IN LOW GEAR, AFTER REPAIR OR REBUILD	2018	BLUE	30
	GENERAL SHIFT COMPLAINTS	2018	BLUE	34
TF60/SN(6F21)	OBDII HEX AND DEX CODES	2016	BLUE	52
SMG	AFTER HYDRAULIC PUMP R&R, NO CLUTCH AND SHIFT CONTROL	2014	BLUE	52
ZF4HP16/20	PRELIMINARY INFORMATION	2014	BLUE	4
ZF4HP18FLE/FLA	NEUTRAL AFTER 3-4 SHIFT, THEN NEUTRAL WHEN COMING TO A STOP	2004	BLUE	80
ZF4HP19FLE/FLA	PRELIMINARY INFORMATION	2002	BLUE	89
ZF4HP22/24	REPEAT LEAK FROM BELLHOUSING AREA	2000	BLUE	52
	VALVE BODY BREAKDOWN 4 AND 5 SOLENOID	2000	BLUE	56
	DIAGNOSTIC INFORMATION, VB AND SOLENOID VIEWS	2004	BLUE	83
ZF5HP18	FLUID FILL PROCEDURE	1999	BLUE	87
	NO MOVE, DELAYED ENGAGEMENT	2000	BLUE	19
	BIND UP IN MANUAL 2 POSITION	2000	BLUE	23
	PRELIMINARY INFORMATION	2000	BLUE	26
	NO POWER ON TAKE OFF, NEUTRALIZING, BINDS UP	2003	BLUE	36
ZF5HP19/FL/FLA	PRELIMINARY INFORMATION	2001	BLUE	14
	2-3 UPSHIFT FLARE	2003	BLUE	39
	WHEN HOT, 2-3 FLARE OR LOSE OF 3RD AND/OR 4TH, SETS CODE 46	2013	BLUE	7
	FIRM ENGAGEMENT INTO DRIVE, HARSH COAST DOWNSHIFTS	2013	BLUE	10

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ZF5HP24	A CLUTCH FAILURE	2010	BLUE	49
	DELAYS OR SLIPS FORWARD OR REVERSE, 5-4 FLARE	2007	BLUE	95
	BUZZING NOISE FROM BELL HOUSING	2007	BLUE	93
	E CLUTCH FEED PIPE DAMAGE	2006	BLUE	116
	PRELIMINARY INFORMATION	2003	BLUE	42
	SLIPPING OR NO FORWARD ENGAGEMENT	2004	BLUE	78
	SLIPPING OR NO REVERSE	2004	BLUE	79
	FLAIED 1-2 AND 2-3, SETTING RATIO CODES	2005	BLUE	114
	HARSH SHIFTS, SHOWS MAXIMUM LINE PRESSURE	2006	BLUE	116
	BUZZING OR DRONING NOISE FROM BELLHOUSING	2007	BLUE	88
	DELAY OR SLIPPING FORWARD AND/OR REVERSE, 5-4 KICKDOWN FLARE	2007	BLUE	90
	CHRONIC FRONT SEAL LEAK AFTER REBUILD	2009	BLUE	67
	NEUTRALS COMING TO STOP, CHATTER ON TAKE-OFF WHEN "HOT"	2009	BLUE	69
	NO FORWARD OR SLIPS IN FORWARD, GOOD REVERSE	2010	BLUE	48
	AFTER REBUILD, DELAYS/SLIPS IN REVERSE	2013	BLUE	20
ZF5HP30	PRELIMINARY INFORMATION	1999	BLUE	91
	PRESSURE REGULATOR CHANGE	2000	BLUE	69
	LOW GRINDING NOISE, CHANGES WITH SPEED	2000	BLUE	72
	NO REVERSE, 3-4 NEUTRAL	2001	BLUE	36
	FLUID FILL PROCEDURE	1997	BLUE	87
	NO REVERSE	1999	BLUE	109
ZF6HP19	PRELIMINARY INFORMATION	2013	BLUE	27
	NEUTRAL IDLE CONTROL FAILURE	2013	BLUE	46
	STAYS IN PARK, SETTING CODE 507B	2013	BLUE	52
	REVERSE AND/OR DRIVE ENGAGEMENT COMPLAINTS, MAY SET CODES	2013	BLUE	58
	AFTER REBUILD, MAKES PLANETARY GEAR NOISE	2014	BLUE	49
	"A" CLUTCH DRUM DISASSEMBLY INFORMATION	2015	BLUE	110
ZF6HP21/28/34	PRELIMINARY INFORMATION	2014	BLUE	31
	AFTER REBUILD, MAKES PLANETARY GEAR NOISE	2014	BLUE	49
ZF6HP26	STUCK IN PARK	2008	BLUE	16
	FLUID LEAK FROM CONNECTOR SLEEVE	2008	BLUE	26
	TORQUE CONVERTER OVERTEMP, SURGING ON DECEL	2009	BLUE	75
	FLARED 3-4 AND/OR 4-5 SHIFTS, MAY SET RATIO CODES	2011	BLUE	126
	BEFORE AND/OR AFTER REBUILD, MULTIPLE SHIFT COMPLAINTS	2011	BLUE	130
	STAYS IN PARK, SETTING CODE 507B	2013	BLUE	52
	REVERSE AND/OR DRIVE ENGAGEMENT COMPLAINTS, MAY SET CODES	2013	BLUE	58
	STEERING WHEEL PADDLES INOPERATIVE, SETS CODE 5087	2013	BLUE	64
	ALL ZF SERIES COMMON HEX DECIMAL CODE DEFINITIONS	2013	BLUE	70
	AFTER REBUILD, MAKES PLANETARY GEAR NOISE	2014	BLUE	49
	PREMATURE "E" CLUTCH FAILURE	2015	BLUE	113
	BUMPS AND CLUNKS AFTER REBUILD	2016	BLUE	14
	MANUAL ADAPTION RELEARN PROCEDURE	2017	BLUE	24
	TRANSITIONAL VALVE BODY BETWEEN GEN1 AND GEN2	2018	BLUE	36
	SETTING P1719 INACCURATE ENGINE TORQUE SIGNAL	2024	WHITE	61
	KEEPS GOING BACK INTO PARK	2024	BLUE	4



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TRANSMISSION		YEAR	BOOK	PAGE
ZF8HP45/50/75/90	PRELIMINARY INFORMATION	2015	WHITE	74
	NON-HIS VALVE BODY INFORMATION	2016	BLUE	16
	NEUTRAL CONDITION ABOVE 10MPH	2020	BLUE	68
	NEUTRALS ON THE 1-2 SHIFT	2024	BLUE	7
ZF9HP48	PRELIMINARY INFORMATION	2016	WHITE	98
X DRIVE	TRANSFER CASE NOISE, SETTING CODE 5F3A	2014	BLUE	54
MISC	VALVE BODY RECONDITIONING KITS	2005	BLUE	115
	82 TO 2013 CHASSIS IDENTIFICATION	2014	BLUE	58

## Chrysler-Dodge-FCA-Jeep

TRANSMISSION		YEAR	BOOK	PAGE
42-44RE/46-47-48RE	ELECTRONIC GOVERNOR PRELIMINARY INFORMATION	1995	RED	105
	NO 3-4 SHIFT	1995	RED	117
	PRESSURE TAP LOCATION	1995	RED	118
	WRONG GEAR STARTS - MAY OR MAY NOT UPSHIFT	1997	RED	100
	NO UPSHIFT AFTER REBUILD-GOV PSI	1997	RED	107
	WRONG GEAR STARTS (MAY OR MAY NOT SHIFT)	1998	RED	94
	NO REVERSE OR BINDS UP ON THE 3-4 SHIFT	1999	RED	137
	CHECKBALL LOCATIONS AND FUNCTIONS, NEW BALL ADDED	2000	BLUE	4
	"BUZZING" NOISE IN REVERSE	2000	RED	106
	1-2 SHIFT SHUTTLE AFTER REBUILD	2000	RED	108
	PREMATURE PLANETARY FAILURE	2000	RED	119
	TRANSMISSION ELECTRICAL DIAGNOSTIC INFORMATION/TEST	2001	RED	98
	PREMATURE FAILURE OF THE L/R BAND	2002	RED	92
	CODE P1762 DIAGNOSIS	2002	RED	98
	TCC SHUTTLE	2002	RED	102
	GOVERNOR PRESSURE SENSOR AND SOLENOID HARNESS DESIGN CHANGE	2002	RED	104
	PCM CONNECTOR REPAIR KIT 96 AND LATER	2002	RED	113
	PREMATURE COVERTER CLUTCH FAILURE	2002	RED	119
	5.9L CUMMINS DIESEL - TCC CYCLES IN AND OUT	2003	RED	58
	91 TO 99 JEEP W/GAS ENGINE DOUBLE BUMP SHIFTS	2003	RED	66
	SETTING CODE P1740 TCC PERFORMANCE	2004	RED	79
	SOFT TCC APPLY, REPEATED TCC DAMAGE	2004	RED	82
	STALLS IN REVERSE OR PLANETARY FAILURE	2004	RED	85
	REVISED FRONT BAND ADJUSTMENT	2004	RED	87
	96 AND LATER FALLS OUT OF 4TH, 3RD GEAR STARTS, LOSS OD TCC	2004	RED	88
	HARSH REVERSE ENGAGEMENT	2004	RED	91
	REOCCURRING PO740 OR P1740 BEFORE AND AFTER REBUILD	2005	RED	69
	3-4 AND TCC SHUTTLE GAS ENGINES ONLY	2005	RED	71
	STUCK IN 3RD, MAY OR MAY NOT SET CODES	2005	RED	74
	LOCK UP SHUTTLE	2005	RED	76
	00 AND LATER INTERNAL LINKAGE AND NS SWITCH CHANGES	2005	RED	78
	ERRATIC GOVERNOR PRESSURE	2006	BLUE	5
	CYCLING LOCK UP	2006	BLUE	7
	COMPUTER CYCLING LOCK UP	2007	RED	72
	04-UP TTVA(THROTTLE VALVE ACTUATOR ADDED TO 48RE	2007	RED	86
	2002 PRODUCTION CHANGE FOR TRANSMISSION RANGE SENSOR	2008	RED	57

## Chrysler-Dodge-FCA-Jeep (Cont.)

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		YEAR	BOOK	PAGE
42-44RE/46-47-48RE	48RE VERSUS 46,47RE HYDRAULIC DIFFERENCES	2008	RED	64
	96 AND LATER STUCK IN 3RD GEAR SETTING CODE PO700	2008	RED	73
	CONVERSION KIT FOR GOV SOLENOID TO GM PC SOLENOID	2009	RED	71
	NO UPSHIFT OR LOSS OF 4TH, NO TCC, SETTING PO123	2010	RED	33
	UNITENDED "OUT OF PARK" ALARM INITIATED	2010	RED	42
	96-UP W/GAS ENGINES, SETTING GOV PRESSURE SENSOR VOLTAGE CODES	2010	RED	47
	AFTER REBUILD OR VB REPLACEMENT, NO PARK	2012	WHITE	77
	PREMATURE FAILURE OF THE FORWARD CLUTCH	2012	WHITE	79
	03-UP PARTIAL ENGINE STALL AT A STOP, SUDDEN ENGINE RPM INCREASE	2012	WHITE	84
	BEFORE AND/OR AFTER REBUILD SLIDE 3-4 OR NO 3-4 SHIFT	2015	WHITE	51
	AFTER REBUILD, NO TCC AND TRANSMISSION OVERHEATS	2015	WHITE	55
	SETTING CODE PO868, GOV SENSOR VOLTS TO HIGH	2016	WHITE	66
	TCC CYCLING ON AND OFF	2016	WHITE	68
	03 JEEP GRAND CHEROKEE SETTING PO352, AFTER TRANSMISSION R&R	2017	WHITE	86
	CHATTERS ON THE 3-4 SHIFT	2019	WHITE	110
	SUDDEN NO MOVEMENT AFTER REBUILD	2019	WHITE	112
	NO MOVEMENT	2021	WHITE	96
	AFTER REBUILD, LATE SHIFTS LOW GOVERNOR PSI	2021	WHITE	97
	NO SHIFT TO 4TH GEAR, MAT ALSO HAVE NO LOCK-UP	2021	WHITE	100
	NO 4TH OR ENGINE BRAKING IN MANUAL 2ND	2021	WHITE	101
	BEFORE OR AFTER REBUILD, NO DOWNSHIFT WHEN HOT	2021	WHITE	104
	BAND LEVER RATIO AND ADJUSTMENT	2022	WHITE	115
	BEFORE OR AFTER REBUILD, LATE 1-2 AND 2-3 SHIFTS	2022	WHITE	120
	BEFORE OR AFTER REBUILD, METALIC NOISE OR GRUNT	2022	WHITE	122
42RLE	PRELIMINARY INFORMATION	2004	RED	65
	SETTING CODE P1776	2007	RED	51
	VIBRATION AFTER ENGINE REPLACEMENT	2008	RED	78
	UPDATED DIPSTICK USAGE	2008	RED	82
	AFTER REBUILD, HAVING CLUTCH OVERLAP ISSUES	2009	RED	45
	07-UP ADDED VARIABLE LINE PRESSURE SOLENOID AND SENSOR	2009	RED	48
	05-06 LOW POWER IN REVERSE, MAY SET P1713 OT P1776	2009	RED	70
	OUTPUT SHAFT REMOVAL	2010	RED	11
	SETTING DTC P0740 TCC SLIP	2010	RED	13
	98-2012 FINAL DRIVE RATIO IDENTIFICATION	2011	RED	75
	UNABLE TO ERASE CODE P1745	2011	RED	92
	ATF TEMPERATURE SENSOR CODES	2012	WHITE	84
	06 WRANGLERS, SETTING PO218 AND PO714	2012	WHITE	86
	MULTIPLE SOLENOID CIRCUIT AND PRESSURE SWITCH FAULTS	2013	WHITE	53
	SETTING CODE PO869	2017	WHITE	80
	CHECK BALL AND SMALL PARTS LOCATIONS	2018	WHITE	52
	SETTING CODE PO740, TCC SLIP	2020	WHITE	106
	BUZZING NOISE WHEN SHIFTER IS MOVED TO DRIVE	2021	WHITE	89
	AFTER REBUILD, "NO MOVEMENT"	2022	WHITE	110
	NO REVERSE AND/OR 1-2 NEUTRAL	2022	WHITE	112
	AFTER REBUILD, NEUTRALS ON THE 2-3 SHIFT	2022	WHITE	114
	NO THROTTLE RESPONSE AND MULTIPLE CODES AFTER REBUILD	2024	WHITE	104
545RFE	SNAP RING IDENTIFICATION FOR INPUT DRUM AND L/R CLUTCH	2000	RED	81
	NO 3RD OR 4TH GEAR	2005	RED	80
	SLIPS ON TAKE OFF OR NO MOVE CONDITION	2006	RED	114

## Chrysler-Dodge-FCA-Jeep (Cont.)

### TRANSMISSION

		YEAR	BOOK	PAGE
545RFE	99 TO 01 HARSH SHIFTS	2006	RED	118
	SETTING CODE P1776	2007	RED	51
	04-UP NEW DESIGN SOLENOID PACK	2007	RED	74
	BINDING ON 3-4 OR 4-5 UPSHIFT	2007	RED	82
	ERRATIC TCC ENGAGEMENT ISSUES	2008	RED	85
	AFTER REBUILD, NO MOVEMENT	2008	RED	87
	00-02 SETTING PO715 AND/OR SLOW PRNDL RESPONSE	2009	RED	73
	07 PUMP/COVER CHANGE, INTERCHANGEABILITY	2009	RED	77
	AFTER REBUILD, PULLS FORWARD IN NEUTRAL, BINDS REVERSE	2009	RED	80
	ASSEMBLY TIPS WHEN REPLACING SUN GEAR AND/OR THRUST BEARINGS	2009	RED	83
	04-05 SETTING GEAR RATIO CODES AND/OR PRESSURE CODES	2009	RED	86
	AFTER REBUILD NO REVERSE, ALL FORWARDS OK	2010	RED	16
	DELAYED ENGAGEMENTS, MAY SET CODES	2011	RED	40
	06-UP TCC SHUDDER AND/OR POOR GAS MILEAGE	2011	RED	46
	PUMP UPDATE CHANGE	2011	RED	56
	LUBE CIRCUIT, PUMP CASTING DESIGN CHANGE	2011	RED	60
	REPEAT OD CLUTCH FAILURE, FLARED SHIFTS	2012	WHITE	87
	AFTER REBUILD, DELAY/SUDDER DURING DRIVE ENGAGEMENT	2014	WHITE	74
	SETTING LINE PRESSURE SENSOR CODES AFTER REBUILD	2017	WHITE	88
	09-2012 ERRATIC SHIFT CONCERNS, PCM UPDATES	2017	WHITE	96
	HARSH NEUTRAL TO DRIVE ENGAGEMENT, MAY SET 02 SENSOR CODES	2017	WHITE	98
	AFTER REBUILD, ENGINE STALLS IN DRIVE	2018	RED	94
	PERCEIVED HESITATION DURING A 3-4 SHIFT	2019	WHITE	126
	SLIPS ON TURNS, AFTER REBUILD OR FILTER SERVICE	2019	WHITE	128
	REPEATED UNDERDRIVE CLUTCH FAILURE	2019	WHITE	130
	NO COMMAND FOR 4TH OR 5TH GEARS, SETS CODE P0016	2021	WHITE	112
	AFTER REBUILD, SLIPPING OR NO 2ND GEAR	2021	WHITE	116
	COOLER LINE FITTING CHANGES	2021	WHITE	120
	AFTER REBUILD, NO MOVEMENT	2023	WHITE	75
	WHEN "HOT" LOW LINE PRESSURE, SETS CODE PO868	2023	WHITE	77
62TE	PRELIMINARY INFORMATION	2009	RED	87
	98-2012 FINAL DRIVE RATIO IDENTIFICATION	2011	RED	75
	07-UP, 1-2 OR 2-3 NEUTRAL UPSHIFT	2011	RED	94
	P0733 THIRD GEAR RATIO, 2-3 NEUTRAL CONDITION	2013	WHITE	60
	ENGINE STALL IN "D" OR DURING COAST-DOWN	2013	WHITE	62
	AFTER REBUILD, SETTING MULTIPLE GEAR RATIO ERRORS	2013	WHITE	66
	NO REVERSE OR SLIPS REVERSE	2013	WHITE	70
	AFTER REBUILD, MANUAL SELECTOR SHAFT SEAL LEAKAGE	2014	WHITE	60
	AFTER REBUILD, SEVERE 2-3 BIND AND/OR HARSH 6-5 DOWNSHIFT	2014	WHITE	64
	TRANSFER GEAR BEARING NOISE	2014	WHITE	69
	2011-2013 PCM UPDATES FOR SHIFT QUALITY IMPROVEMENTS	2017	WHITE	94
	NO REVERSE, FLARED SHIFTS, (REPEATED COMPOUNDER SET FAILURE)	2018	WHITE	70
	FAILSAFE SETTING RATIO CODES, P0792, P1790	2018	WHITE	76
	CODE P1745, TRANSMISSION LINE PRESSURE TO HIGH FO TOO LONG	2018	WHITE	80
	NO MOVE OR STUCK IN REVERSE ALL RANGES, AFTER REBUILD	2018	WHITE	81
	LEAKING FROM THE FRONT OF THE TRANSMISSION	2018	WHITE	82
	NO MOVEMENT, LOSS OF LINE PRESSURE	2019	WHITE	115
	NO FORWARD GOOD REVERSE AFTER REBUILD	2019	WHITE	118
	NO REVERSE	2019	WHITE	121

## Chrysler-Dodge-FCA-Jeep (Cont.)

TRANSMISSION		YEAR	BOOK	PAGE
62TE	07 PACIFICA, SETS EITHER CODE PO882,PO883,PO884	2019	WHITE	123
	2010-UP, MISSING CAGED NEEDLE BEARING	2020	WHITE	90
	SLIPPING IN 2ND & 5TH, AFTER REBUILD	2020	WHITE	95
	LEFT TRANSMISSION MOUNT DAMAGE	2020	WHITE	100
	PROPER FILLER TUBE USAGE	2021	WHITE	71
	AFTER REBUILD, COMPLAINT OF ARREATED FLUID	2021	WHITE	78
	NO REVERSE, ALL FORWARD GOOD	2021	WHITE	80
	BEFORE/AFTER REBUILD, 2-3 SHIFT BUMP	2021	WHITE	82
	DELAYED FORWARD ENGAGEMENT	2021	WHITE	84
	MANUAL VALVE AND TCC SWITCH VALVE TRANSITIONAL CHANGES	2021	WHITE	86
	SETTING CODE PO882	2022	WHITE	95
	INTERMITTENT "NO START" CONDITION	2022	WHITE	123
	AFTER TORQUE CONVERTER REPLACEMENT, CRANK BUT NO START	2022	WHITE	126
	AFTER REBUILD, HARSH 2-3 AND 5-6 SHIFT, 3-4 FLARE, SETS PO734, P1771	2022	WHITE	127
	RANDOM SHIFTING PROBLEMS, NO CODES SET	2023	WHITE	65
	SETTING CODE PO883	2023	WHITE	68
	WATER IN TRANSMISSION (PROMASTER VEHICLES)	2023	WHITE	71
	LIMP MODE AFTER REBUILD, SETTING RATIO CODES	2024	WHITE	109
	PO934 LINE PRESSURE SENSOR CIRCUIT LOW	2024	WHITE	113
65RFE/66RFE/68RFE	DELAYED ENGAGEMENTS	2011	RED	42
	LUBE CIRCUIT, PUMP CASTING DESIGN CHANGE	2011	RED	62
	DIAGNOSING CODE PO871	2013	WHITE	77
	09-2010 VALVE BODY AND SOLENOID ASSEMBLY CHANGES	2013	WHITE	88
	AFTER REBUILD,DELAY/SHUDDER DURING DRIVE ENGAGEMENT	2014	WHITE	74
	CLUNK NOISE GOING FROM DRIVE TO NEUTRAL	2014	WHITE	78
	07-LATER ENGINE OIL LEAK AFTER REPLACING TRANS ADAPTOR PLATE	2014	WHITE	88
	TRANSMISSION CONNECTOR IDENTIFICATION WITH 6.7L DIESEL	2014	WHITE	90
	SUDDEN DROP TO NEUTRAL FROM TAKE OFF	2015	WHITE	71
	TRANSMISSION OVERTEMP CONDITION, SET PO218	2019	WHITE	142
	FALLING OUT OF 5TH AND 6TH GEARS	2020	RED	99
	COOLER LINE FITTING CHANGES	2021	WHITE	120
	OVERHEATING CONDITION WITH THE 6.7L DIESEL	2021	WHITE	124
	AFTER REBUILD, MAKES CLUTCH NOISE DURING DOWNSHIFTS	2021	WHITE	128
	CLUTCH VOLUME CONVERSION INFORMATION	2021	WHITE	129
	2019-UP VALVE BODY AND PUMP CHANGES	2021	WHITE	131
	2019-2020 RAM PUSHES FLUID OUT THE FILLER TUBE, SAFETY RECALL	2021	WHITE	142
	L/R PISTON RETURN SPRING RETAINER INFORMATION	2022	WHITE	107
	"SCRAPPING" NOISE FROM BELLHOUSING	2023	WHITE	82
	NO MOVEMENT AFTER VALVE BODY REPLACEMENT	2023	WHITE	84
	SETTING CODE PO871	2023	WHITE	86
	2018 6.7L DELAYED ENGAGEMENTS "COLD", SLIPPING AROUND CORNERS	2023	WHITE	87
	AFTER REBUILD, NO FORWARD MOVEMENT, SET CODE PO869	2023	WHITE	89
	AFTER REBUILD, "BIND-UP" IN REVERSE	2023	WHITE	92
	MANUAL LEVER SEAL LEAK	2023	WHITE	94
722.6/NAG1	TRANSMISSION/VEHICLE APPLICATION	2005	RED	91
	DIPSTICK USAGE	2005	RED	94
	05-06 TCC OR SHIFT SHUDDER	2007	RED	105
	UPDATED DIPSTICK USAGE	2008	RED	82
	SPRINTER ONLY IN LIMP MODE, NO CODES, "SYSTEM UNDER VOLTAGE"	2009	WHITE	100



## Chrysler-Dodge-FCA-Jeep (Cont.)

TRANSMISSION		YEAR	BOOK	PAGE
722.6/NAG1	04-UP, SETTING SOLENOID CIRCUIT FAULTS, CASE CONNECTOR LEAKS	2010	RED	53
	AFTER REBUILD, BOGS DOWN IN 3RD GEAR, MAY ALSO SLIP	2010	RED	109
	TCC JUDDER, VIBRATION	2011	RED	102
	05-07 GARAGE SHIFT RINGING TYPE NOISE	2011	RED	109
	TRANSMISSION OVERHEATS, TEMP LIGHT ON	2012	WHITE	105
	05-LATER SETTING VARIOUS ELRCTRICAL CIRCUIT CODES	2013	WHITE	107
	DRIVELINE VIBRATION, SHUDDER COMING TO A STOP	2014	WHITE	95
	SETTING PO730 AND PO219 ENGINE OVERSPEED	2014	WHITE	97
	06-LATER, SETTING UO101 NO TCM COMUNICATION	2015	WHITE	58
	SETTING P1731, MAY HAVE NEUTRAL CONDITION DURING 3-4 SHIFT	2015	WHITE	63
	07 NO UPSHIFT CONDITION WITH CYLINDER CUT POWER LOSSES	2015	WHITE	68
	ERRATIC SHIFTING AFTER REBUILD	2016	WHITE	78
	NO MOVE OR GOOD REVERSE AND NO FORWARD 4WD MODELS	2016	WHITE	82
	INTERMITTENT NO SHIFT TO 4TH AND 5TH GEARS	2018	WHITE	83
	2-3 SHIFT FLAIR, MAY SET CODE PO730	2020	WHITE	113
	SETTING CODE UO101, NO COMMUNICATION WITH TCM	2021	WHITE	106
	"LIMP MODE" AFTER 2-3 SHIFT, SETTING CODE PO733	2021	WHITE	110
	NO REVERSE ENGAGEMENT, MAY ENGAGE FROM NEUTRAL TO REVERSE	2023	WHITE	96
	AFTER REBUILD, NO 3-4 OR 4-5 SHIFT	2023	WHITE	98
845RE/870RE	PRELIMINARY INFORMATION	2015	WHITE	74
	EMERGENCY PARK RELEASE INFORMATION, E-SHIFT(ESM) VEHICLES	2019	WHITE	132
	SETTING CODE C2280-49, PRNDL LIGHTS FLASHING	2020	WHITE	107
	INOPERATIVE TRAILER LIGHTS	2020	WHITE	111
	WILL NOT COME OUT OF "PARK", AFTER TRANSMISSION REPLACEMENT	2021	WHITE	144
	HARSH 2-1 DOWNSHIFT	2021	WHITE	146
948TE	"CHATTERS" IN 1ST, 2ND AND 3RD GEAR	2023	WHITE	101
	PRELIMINARY INFORMATION	2016	WHITE	98
	REASSEMBLY "TIPS"	2018	WHITE	118
	AFTER REBUILD, SETS SPEED SENSOR ELECTRICAL CODES	2018	WHITE	135
	2017 CHEROKEE, DELAYED REVERSE, LIMP MODE, SETS CODES	2021	WHITE	92
	IN LIMP MODE, SETS CODES P1E23 AND PO810	2021	WHITE	93
	INTERMITTENT NO FORWARD, MAY SET PO730 AND PO7A6	2022	BLUE	5
	INTERMITTENT NO MOVEMENT WITH 2SPD TRANSFER CASE, P1720, P14A7	2022	WHITE	128
	HARSH COAST DOWNSHIFTS, SET CODE PO215C	2022	WHITE	130
	POOR 5-4 SHIFT QUALITY, MAY ALSO SET CODE UO402	2022	WHITE	134
A404-670	REPLACING THE "E" CLUTCH DRUM INNER SEAL	2023	WHITE	104
	2nd GEAR START	1994	WHITE	86
	GEAR SELECTOR HARD TO MOVE	1994	WHITE	87
	REVERSE BAND STRUT FAILURE	1997	RED	120
	NEW DESIGN FINAL DRIVE CROSS SHAFT RETAINERS	2002	RED	88
	NEW PUMP DESIGN	2003	RED	92
	NEW DESIGN COOLER BY-PASS SYSTEM	2003	RED	94
	98-2012 FINAL DRIVE RATIO IDENTIFICATION	2011	RED	77
A500-518	OVERDRIVE SECTION PLANETARY CHANGES	2000	RED	111
	BROKEN FRONT PLANETARY	2000	RED	117
	NO 3/4 UPSHIFT	2000	BLUE	13
	NO OR LATE 3RD GEAR	2001	RED	72



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TRANSMISSION		YEAR	BOOK	PAGE
A500-518	DRIVESHAFT YOKE DOES NOT FIT OUTPUT SHAFT	2001	RED	89
	LATE OR NO UPSHIFT OR NO UPSHIFTS AFTER KICKDOWN	2001	RED	91
	OD CLUTCHES AND OD/DIRECT CLUTCH APPLICATION/USAGE BY MODEL	2001	RED	93
	PREMATURE FAILURE OF THE L/R BAND	2002	RED	92
	96 AND EARLIER IMPROVED LINE RISE AND THROTTLE RESPONSE	2004	RED	77
A604/41TE/41TES	HARSH FORWARD ENGAGEMENT AND/OR 4-3 DOWNSHIFT	2000	RED	104
	UPSHIFTS IN M1, MAKES 3-4 SHIFT IN D3, NO START IN NEUTRAL	2000	RED	105
	NEW SOLENOID PACK FOR 1999	2001	RED	82
	LIMP MODE NO CODES SET	2002	RED	81
	NEW DESIGN FINAL DRIVE CROSS SHAFT RETAINERS	2002	RED	88
	DELAYED ENGAGEMENTS	2003	RED	70
	GEAR RATIO IDENTIFICATION FOR 89 THRU 02	2003	RED	75
	99- UP TRANSMISSION RANGE SENSOR CHANGE	2005	RED	84
	SETTING CODE P1717 WITH AFTERMARKET SCAN TOOL	2005	RED	87
	SETTING CODE P1776	2007	RED	51
	SETTING PO605, MODELS WITH TCM ONLY	2007	RED	97
	96 AND LATER, ALL PRND3L LIGHTS ON IN P/N, OTHER POSITIONS NORMAL	2008	RED	44
	AFTER REBUILD, ERRATIC FLUID LEVEL AND/OR FLUID FOAMING	2009	RED	43
	AFTER REBUILD, HAVING CLUTCH OVERLAP ISSUES	2009	RED	45
	07-UP ADDED LINE PRESSURE SOLNOID AND SENSOR	2009	RED	48
	98-2012 FINAL DRIVE RATIO IDENTIFICATION	2011	RED	75
	UNABLE TO ERASE CODE P1745	2011	RED	92
	AFTER REBUILD, 1-2 SHIFT COMPLAINT/INCONSISTENT 2-4 CVI	2013	WHITE	51
	AFTER REBUILD, STALLS GOING INTO ANY DRIVE POSITION	2014	WHITE	50
	SPEEDO READING WHEN NOT MOVING, MAY SET RATIO, OR OSS CODES	2015	WHITE	50
	DELAYED FORWARD AND REVERSE ENGAGEMENTS	2018	WHITE	50
	CHECK BALL AND SMALL PARTS LOCATIONS	2018	WHITE	52
	06 CHRYSLER PT CRUISER SETTING CODE PO882, IN "LIMP MODE"	2018	WHITE	62
	SETTING CODE PO869, LINE PRESSURE HIGH	2020	WHITE	103
	NEUTRAL ON 2-3 SHIFT	2022	WHITE	114
	AFTER REBUILD, NO MOVEMENT	2023	WHITE	63
A606/42LE	CHRONIC SOLENOID CODE AND/OR SPEED SENSOR,TPS,TRS,TOT CODES	2001	RED	78
	LIMP MODE NO CODES SET	2002	RED	81
	CODE 18 SETTING, PRNDL LAMPS FLICKER	2002	RED	84
	DELAYED ENGAGEMENTS	2003	RED	70
	TRANSAXLE PERFORMANCE	2004	RED	103
	99-UP TRANSMISSION RANGE SENSOR CHANGE	2005	RED	84
	SETTING CODES P1696 AND P1698	2006	RED	105
	LOW/REVERSE CASE PLUG BLOWOUT	2006	RED	111
	1998 DODGE INTREPID 3.2L JIN "J" DTC P1695-1698	2006	RED	105
	LOW/REVERSE CASE PLUG BLOWOUT	2006	RED	111
	SETTING CODE P1776	2007	RED	51
	96 AND LATER, ALL PRND3L LIGHTS ON IN P/N, OTHER POSITIONS NORMAL	2008	RED	44
	AFTER REBUILD, HAVING CLUTCH OVERLAP ISSUES	2009	RED	45
	98-2012 FINAL DRIVE RATIO IDENTIFICATION	2011	RED	75
	CHECK BALL AND SMALL PARTS LOCATIONS	2018	WHITE	52
A904,727	96 AND NEWER PO740 OR INSUFFICIENT RPM DROP	2004	RED	95

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TRANSMISSION		YEAR	BOOK	PAGE
AW4	SETTING CODE PO123 AND WILL NOT CLEAR	2005	RED	72
C365(DDCT)	NO ENGAGEMENT, SETTING P1CCO AND PO944	2020	WHITE	87
JF011E/CVT	AFTER TRANSMISSION SWAP OR VB REPLACEMENT, SETS P167A	2012	WHITE	108
	SOLENOID RESISTANCE CHECKS AND VB INFORMATION	2012	WHITE	110
	06-UP SETTING MULTIPLE SOLENOID CIRCUIT FAULTS	2013	WHITE	98
	AFTER REBUILD, SECONDARY SPEED SENSOR CODES PO721,722 SETS	2013	WHITE	105
	DELAYED ENGAGEMENTS, SLIPPING SENSATION	2014	BLUE	90
	TRANSMISSION SLIPS WHEN WARM, SETS PO746	2015	WHITE	104
	AFTER REBUILD, NO FORWARD MOVEMENT	2018	WHITE	85
	NO COMMAND FOR LOCK-UP, WHEEL SPEED SENSOR CODE SET	2021	WHITE	90
JF015E(CVT7)	PRELIMINARY INFORMATION	2016	WHITE	84
JF016/17E	PRELIMINARY INFORMATION	2017	BLUE	81
JF613A	VALVE BODY AND SOLENOID INFORMATION	2018	BLUE	68
MISC	93 AND LATER VSS SYSTEM DIAGNOSIS	2004	RED	96
	CHRYSLER PCI MODULE TO MODULE BUS COMMUNICATION	2006	RED	87
	01 AND LATER MODELS WITH (IPM) POWER MODULE SETTING P1768	2007	RED	98
	NEW GENERATION COMPUTER (NGC) TERMINAL "ID"	2010	RED	21
	ANY VEHICLE THAT USES A "TIPM" SETS P1768, CRANKS BUT NO START	2015	WHITE	64
	TESTING PROCEDURES WHEN SETTING SOLENOID ELECTRICAL CODES	2017	WHITE	76
	ERRATIC TRANSFER CASE OPERATION	2017	WHITE	90
	TC MP3024, SHIFT MOTOR DOES NOT RANGE TO OTHER POSITIONS	2019	RED	82
	ABS WHEEL BEARING TEST CARD	2021	WHITE	90
	2018 AND UP, SCAN TOOL "ACCESS DENIED" SECURE GATEWAY MODULE	2022	WHITE	89
	AFTER BATTERY DISCONNECT, "PROXI CONFIGURATION ALIGNMENT"	2022	WHITE	100
	4WD TRUCKS, VIBRATION, NOISE COMPLAINT, "FRT DRIVESHAFT FAILURE"	2022	WHITE	104
	TRANSFER CASE LEAKING, WITH 6.7L AND AS68RC TRANSMISSION	2023	RED	138

## Ford/Lincoln/Mercury

TRANSMISSION		YEAR	BOOK	PAGE
4F20E	GEAR RATIO ERRORS	2001	RED	70
4F27E	PRELIMINARY INFORMATION	2001	WHITE	96
	SETTING CODE PO741 BEFORE OR AFTER REBUILD	2004	WHITE	103
	DELAYED DRIVE ENGAGEMENT, PREMATURE FORWARD CLUTCH FAILURE	2004	WHITE	107
	FAILURE DUE TO LACK OF LUBE BEFORE OR AFTER REBUILD	2004	WHITE	109
	REVERSE CLUTCH PISTON USAGE	2004	WHITE	111
	ERRATIC, NEUTRALIZING UPSHIFTS, WRONG GEAR STARTS AFTER REBUILD	2004	WHITE	112
	PO750, PO751, NEUTRALIZING OR NO 4TH GEAR	2004	WHITE	115
	01 AND UP HAD A GEAR RATIO CHANGE	2005	RED	48
	PRINCIPALS OF OPERATION	2005	RED	52
	NEUTRALS IN 4TH, WHEN HOT	2005	RED	63
	1-2 FLARE AND 3-4 NEUTRAL	2007	RED	29
	AFTER REBUILD, DELAYED ENGAGEMENTS AND/OR LOW PRESSURE	2009	RED	5
	SLIDING OR FLARED 2-3 UPSHIFT	2009	RED	8
	3-4 SHIFT NEUTRALS	2011	WHITE	100

## Ford/Lincoln/Mercury (Cont.)

TRANSMISSION		YEAR	BOOK	PAGE
4F27E	AFTER REBUILD, INTERMITTENT PO721 SETS	2012	RED	102
	DRIVE ENGAGEMENT GEAR RATTLE	2013	RED	81
	NO REVERSE AFTER REBUILD	2016	WHITE	4
	SLIPPING OR NO REVERSE, BEFORE OR AFTER REBUILD	2017	WHITE	4
	HARSH GARAGE SHIFTS, ALSO HARSH COAST DOWN SHIFTS	2019	WHITE	4
	AFTER REBUILD, NEUTRALS ON 2-3 SHIFT	2019	WHITE	7
	AFTER REBUILD, SLIPS IN 2ND AND 3RD GEARS	2019	WHITE	9
	09-2013 TRANSIT CONNECT, RATTLING NOISE FROM BELLHOUSING	2019	WHITE	11
4R44-55E/5R55E	DELAYED ENGAGEMENTS AND/OR SLIPPING	2000	RED	4
	DELAYED FORWARD ENGAGEMENTS	2000	RED	5
	NO FORWARD ENGAGEMENT IN THE "OD" RANGE ONLY	2000	RED	7
	ERRATIC OR NO LINE RISE	2001	RED	30
	SLIPPING OR NO LOCKUP, CODES 628 OR PO741	2001	RED	32
	INTERMEDIATE SHAFT SPEED SENSOR ADDED FOR 2001	2001	RED	36
	BINDS IN REVERSE AND 3RD AND/OR WRONG GEAR STARTS	2001	RED	39
	VB GASKET BLOWOUT 99 AND LATER	2003	RED	48
	DELAYED ENGAGEMENT WHEN HOT AFTER REBUILD	2003	RED	51
	00-01 FORD RANGER HARSH, DELAYED SHIFTS MAT SET VSS CODES	2003	RED	53
	2-3 SHIFT FLAIR	2004	WHITE	96
	FLAIRED SHIFTS AND/OR GEAR RATIO CODES	2004	WHITE	98
	DELAYED REVERSE ENGAGEMENT	2004	WHITE	101
	SETTING CODES P1746, P1747, OR P1760	2006	RED	49
	2-3 UPSHIFT FLAIR	2007	RED	11
	ENGINE DAMAGE AFTER TRANSMISSION R&R	2014	WHITE	46
	SETS PO735 AFTER REBUILD	2019	WHITE	36
	SUDDEN NO MOVEMENT COMPLAINT	2020	WHITE	41
	AFTER EPC REPLACEMENT, HARSH ENGAGEMENTS AND SHIFTS	2021	WHITE	50
	SETTING PO741, TCC SLIPS	2021	WHITE	53
	NO MOVEMENT OR ENGINE STALLS, TCC RELEASE OIL COMPLAINTS	2022	WHITE	85
	HARSH SHIFTS	2023	WHITE	4
	NO REVERSE AFTER REBUILD	2024	WHITE	10
5R55N	PRELIMINARY INFORMATION	2000	WHITE	109
	MORE PRELIMINARY INFORMATION	2001	RED	43
	LOW SPRAG ASSEMBLY	2001	RED	51
	FRONT PUMP ASSEMBLY	2001	RED	55
	5R55N VERSUS 5R55W DIFFERENCES	2002	RED	30
	NO 4TH OR 5TH GEAR, DELAYED REVERSE, MAY SET RATIO CODES	2004	WHITE	89
	CHECK BALL LOCATIONS	2005	WHITE	106
	SLIPS ON 2-3 UPSHIFT	2006	RED	51
	SETTING PRESSURE CONTROL SOLENOID PERFORMANCE CODES	2006	RED	55
	AFTER REBUILD, HARSH SHIFTS, MAY SET GEAR RATIO CODES	2012	WHITE	23
	OD LUBE FAILURE AND/OR VARIOUS SHIFT COMPLAINTS	2012	WHITE	26
	NO MOVEMENT OR ENGINE STALLS, TCC RELEASE OIL COMPLAINTS	2022	WHITE	85

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		YEAR	BOOK	PAGE
5R55S-W	EXPLODED VALVE BODY VIEWS	2004	WHITE	93
	DELAYED OR NO ENGAGEMENT	2005	WHITE	97
	SOLENOID BODY GASKET IDENTIFICATION	2005	WHITE	102
	SLIPPING IN 2ND AND 3RD GEAR AFTER REBUILD	2005	WHITE	109
	NO 2ND OR 5TH BEFORE OR AFTER REBUILD	2005	WHITE	110
	SETTING PRESSURE CONTROL SOLENOID PERFORMANCE CODES	2006	RED	55
	DELAYED ENGAGEMENTS	2007	RED	5
	TICKING OR RATTLING NOISE FROM BELLHOUSING	2007	RED	7
	METALLIC TICKING NOISE AFTER REBUILDS COMING FROM BELLHOUSING	2007	RED	8
	03 AND LATER, NO MORE FLUID FILL PLUG	2008	RED	25
	DRIVEABILITY COMPLAINTS, HAS WATER CONTAMINATION	2009	WHITE	108
	OVERDRIVE CARRIER FAILURE, LACK OF LUBE	2010	WHITE	92
	METALLIC CLANK ON ENGAGEMENT, 4WD MODELS ONLY	2011	WHITE	88
	BEFORE AND AFTER REBUILD HARSH ENGAGEMENTS AND SHIFTS	2012	WHITE	17
	AFTER REBUILD, HARSH SHFTS, MAY SET GEAR RATIO CODES	2012	WHITE	23
	OD LUBE FAILURE AND/OR VARIOUS SHIFT COMPLAINTS	2012	WHITE	26
	09-UP VALVE BODY AND SPACER PLATE CHANGES	2014	WHITE	38
	06-2010 SETS PO713, VARIOUS SOL CIRCUIT FAULTS/TCC CYCLING	2014	WHITE	43
	SERVO PIN BORE ISSUES, SETTING SOLENOID AND RATIO CODES	2015	WHITE	22
	AFTER REBUILD, CONVERTER OVERHEAT FAILURE	2019	WHITE	38
	SLIPPING FORWARD AND REVERSE	2020	WHITE	53
	AFTER REBUILD, DELAYED ENGAGEMENTS	2022	WHITE	15
	NO MOVEMENT OR ENGINE STALLS, TCC RELEASE OIL COMPLAINTS	2022	WHITE	85
	ATF LEAKING FROM THE BELLHOUSING	2024	WHITE	14
5R110W	PRELIMINARY INFORMATION	2004	RED	34
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	PREMATURE LOW DIODE FAILURE	2005	RED	15
	INTERNAL HARNESS, SOLENOID BODY SERVICE	2005	RED	19
	05-UP NEW REAR PLANETARY AND INTERNAL RING GEAR	2005	RED	21
	FORWARD CLUTCH CHANGES FOR 2005	2006	RED	41
	FORWARD CLUTCH FEED BOLT CHANGE FOR 2005	2006	RED	47
	05- UP NEW DESIGN LOW/REVERSE SNAP RING	2007	WHITE	94
	LOSE OF REVERSE AND PRECEIVED LOSE OF 4TH GEAR	2007	WHITE	97
	NO TCC AND/OR PO741 SETTING	2007	WHITE	100
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	DELAYED FORWARD ENGAGEMENT/SHUDDER ON TAKE-OFF	2007	WHITE	109
	AFTER EPC REPLACEMENT, TRANSMISSION SLIPS OR CHATTERS	2007	WHITE	110
	ERRATIC SHIFTS, TEMP GAUGE OPERATION, MAY SET TFT CODES	2008	RED	27
	SETTING CODE PO657, ACTUATOR SUPPLY VOLTAGE LOW	2008	RED	31
	DELAYED FORWARD AND/OR REVERSE, LOW LINE PRESSURE	2009	WHITE	115
	SETTING RANGE SENSOR, SPEED SENSOR CODE AND/OR NO START	2010	RED	5
	REPEATED COAST CLUTCH HOUSING BREAKING	2010	WHITE	114
	EXTREME COLD, LOW DIODE FAILURE	2011	WHITE	73
	SETTING RANDOM FRICTION APPLY ELEMENT CODES	2011	WHITE	80
	NEW DESIGN PAN AND SUMP FILTER	2011	WHITE	83
	SLIPS IN FORWARD AND REVERSE, LOW MAINLINE PRESSURE	2013	RED	71
	INTERMITTENT SOLENOID ELECTRICAL CODES SET	2014	RED	69
	NO MOVE SHORTLY AFTER REBUILD	2016	WHITE	40
	LEAKING OUT THE VENT, AFTER REBUILD	2016	WHITE	46
	REDESIGNED SUN GEAR SHELL	2016	WHITE	50



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	SLIPS FORWARD AFTER INITIAL ENGAGEMENT	2017	WHITE	12
	AFTER REBUILD, NO MOVEMENT	2018	WHITE	8
	CHRONIC 2-3 SHIFT FLARE	2018	WHITE	12
	FRONT PUMP DAMAGE BEFORE OR AFTER REBUILD	2019	WHITE	40
	REAR PLANETARY DAMAGE SHORTLY AFTER REBUILD	2019	WHITE	46
	SETTING INTERMITTENT SOLENOID ELECTRICAL CODES	2019	WHITE	50
	HARSH ENGAGEMENTS, HIGH GEAR STARTS, SETTING PO720, PO722	2020	WHITE	47
	SETTING VARIOUS TRANSMISSION AND ENGINE CODES	2020	WHITE	61
	SETTING CODES PO753 AND P2700, MAY ALSO SET PO752 AND PO973	2021	WHITE	47
	AFTER REBUILD, "OVERTEMP CONDITION"	2022	WHITE	17
	NO MOVEMENT OR SLIPS FORWARD AND REVERSE	2022	WHITE	20
	NO 2ND OR 6TH, MAY SET PO732, PO756, P2701	2022	WHITE	25
	NO "LOCK UP" SETTING CODE P1744	2022	WHITE	26
	NO MOVEMENT OR STALLS IN GEAR, RELEASE OIL COMPLAINTS	2022	WHITE	85
	SETTING RANGE SENSOR CODES P1702, P1706 AND P1707	2023	WHITE	6
5R110W/LCF SERIES	MANUAL CODE RETRIEVAL PROCEDURE	2011	WHITE	65
6F35	SLIPS OR FLARES IN 4TH, 5TH AND 6TH	2013	RED	88
	DRIVERS SIDE AXLE SEAL LEAKS	2014	WHITE	4
	5TH GEAR ONLY, AFTER "GRADE ASSIST" USAGE, SETS CODES	2014	WHITE	6
	HARSH ENGAGEMENTS OR SHIFTS, MAY SET PO720,PO722	2014	WHITE	8
	09-2011 MAKES "HOOT" NOISE, USUALLY BEFORE 1-2 SHIFT	2014	WHITE	12
	2010-UP HARSH REVERSE, HARSH 2-3 SHIFT	2014	WHITE	14
	09-LATER "ESCAPE" DELAYED BUMP IN REVERSE, SOFT SLIDING SHIFTS	2015	WHITE	16
	L-R/1-2-3-4 IMPROVED CLUTCH HOUSING	2016	WHITE	37
	ERRATIC SHIFTING, POOR THROTTLE RESPONSE, SETS CODE P1299	2019	WHITE	15
	2010 FILTER TUBE UPGRADE	2019	WHITE	17
	2013-UP GENERATION II CHANGES	2019	WHITE	20
	HARSH SHIFTS, SETTING CODES PO710 AND PO713	2020	WHITE	8
	TRANSMISSION CASE DAMAGE AFTER REBUILD	2020	WHITE	12
	GENERATION 1 & 2 PUMP COMPARISON	2020	WHITE	14
	NO MOVEMENT AFTER REBUILD	2020	WHITE	20
	HARSH RE-ENGAGEMENT, AFTER STOP/START EVENT, MAY SET P0C27	2021	WHITE	6
	STOP/START SYSTEM PRELIMINARY INFORMATION	2021	WHITE	8
	2014-UP NEW 4TH DESIGN CHAIN SNUBBER	2021	WHITE	14
	AFTER REBUILD, DRIVER SIDE AXLE WILL NOT GO ALL THE WAY IN	2021	WHITE	15
	"RATTLING NOISE, MOSTLY AT IDLE	2022	WHITE	12
	SEVERE VIBRATION, LOSS OF MOVEMENT OR ROOLING IN PARK (AWD)	2022	WHITE	29
	RIGHT SIDE AXLE SEAL LEAKS	2022	WHITE	37
	TRANSMISSION "OVERTEMP" CONDITION	2022	WHITE	39
	5TH GEAR STARTS, SETS NO TROUBLE CODES	2022	WHITE	45
	GEN 1 & 2 INTERNAL TRANSITIONAL DIFFERENCES	2022	WHITE	46
	AFTER REBUILD, ENGINE STALLS WHEN IN FORWARD AND REVERSE	2022	WHITE	53
	AFTER REBUILD, RANDOM HARSH FORWARD ENGAGEMENT	2022	WHITE	56
	AFTER REBUILD, "BIND-UP" IN REVERSE	2023	WHITE	8
	AFTER REBUILD, FLARED SHIFTS, ERRATIC LINE PRESSURE	2023	WHITE	11
	AFTER REBUILD, "NO PUMP PRIME"	2023	WHITE	13
	BEFORE AND AFTER REBUILD SETTING PO741 & P1744 TCC SLIP	2024	WHITE	22
	ACTIVE GRILL SHUTTER	2024	WHITE	28



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6F35	SHIFT SYSTEM FAULT MESSAGE DISPLAYED	2024	WHITE	31
6F50	NO REVERSE, 3RD OR 5TH GEARS	2011	WHITE	118
	PRELIMINARY INFORMATION	2013	RED	90
	ROLLS ON INCLINE IN DRIVE AND REVERSE	2013	RED	111
	SLIP OR NEUTRAL CONDITION, MAT SET TR SENSOR FAULT CODES	2014	WHITE	18
	BUMP/SLIPS ON INITIAL TAKE OFF	2017	WHITE	16
	SLIPPING ON "TAKE OFF" BURNT FORWARD CLUTCH	2018	WHITE	30
	RATTLING NOISE WHEN PUT IN GEAR	2019	WHITE	16
	NO REVERSE AFTER REBUILD	2020	WHITE	22
	"NOT IN PARK" WARNING MESSAGE	2020	WHITE	26
	RATTLING NOISE IN 1ST THRU 3RD GEARS	2020	WHITE	28
	LEAD FRAME ALIGNMENT INFORMATION	2020	WHITE	32
	WITH (AWD) "WHEEL HOP" WHEN TURNING CORNERS	2022	WHITE	7
	AFTER REBUILD, FLAIR ON THE 3-4 SHIFT	2022	WHITE	57
	SHIFTER WILL NOT MOVE TO THE "D1" POSITION	2023	WHITE	16
	2-3 AND 4-5 SHIFT COMPLAINTS	2023	WHITE	42
	INTERMITTENT VSS SETTING P193F	2024	WHITE	44
	SETTING P1921 TRANSMISSION RANGE SIGNAL	2024	WHITE	46
	AWD POWER TRANSFER OIL LIFE MONITOR RESET	2024	WHITE	49
6R60/75/80	PRELIMINARY INFORMATION	2010	WHITE	95
	DOWNSHIFT BUMP WHILE COMING TO A STOP	2010	WHITE	113
	3-4 AND/OR 4-5 FLARED SHIFTS, MAY SET RATIO CODES	2011	BLUE	126
	BEFORE AND/OR AFTER REBULD, MULTIPLE SHIFT COMPLAINTS	2011	BLUE	130
	AFTER REBUILD, SHIFT FEEL, SHIFT QUALITY POOR	2012	WHITE	33
	2010-2011 CONTROL MODULE CHANGES	2012	WHITE	34
	2011 NEW PART UPDATES	2014	RED	71
	DELAYED REVERSE AND/OR 2-3 FLARE	2014	RED	97
	FLARED SHIFTS INTO 4TH,5TH,6TH WHEN "HOT"	2014	RED	100
	SETTING CODE PO741	2016	WHITE	52
	EXTREMELY HARSH UP AND DOWNSHIFTS, MAY SET COMM CODES	2016	WHITE	54
	ONE-WAY CLUTCH BIAS SPRING LOCATION	2017	WHITE	20
	SETTING PO720, PO722	2017	WHITE	22
	NEUTRALS ON 3-4 SHIFT, NO 5TH OR 6TH	2018	WHITE	35
	SPACER PLATE AND SOLENOID DAMPER CHANGES, MID 2008	2018	WHITE	38
	2015 AND UP, START/STOP SYSTEM INFORMATION	2019	WHITE	62
	6R60-6R80 OVERDRIVE DRUM AND FRONT PLANETARY COMPATIBILITY	2020	WHITE	64
	DIRECT CLUTCH DRUM ASSEMBLY PROCEDURE	2020	WHITE	66
	AFTER REBUILD, ERRATIC TRANSMISSION TEMPERATURE	2020	WHITE	70
	L/R CLUTCH CLEARANCE PROCEDURE	2020	WHITE	73
	AFTER REBUILD, SETTING CODE PO741, P1744	2021	WHITE	55
	AFTER REBUILD, NO MOVEMENT	2021	WHITE	56
	07-08 WITH 5.4L, HARSH 2-1 DOWNSHIFT	2021	WHITE	65
	NOVEMBER 2010 AND UP, SHIFT SOLENOID "E" RESISTANCE CHANGE	2022	WHITE	59
	THERMAL COOLER INTERNAL BYPASS VALVE OR PLUG	2022	WHITE	62
	INTERMITTENTLY SETS CODE P062C, SPEED SENSOR PERFORMANCE	2022	WHITE	66
	SLIPPING IN 5TH GEAR	2023	WHITE	19
	TRANSIT VANS, DRIVEABILITY CONCERNS	2023	WHITE	22
	SHUDDERING AND MAKING A METALLIC NOISE	2024	WHITE	59

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6R140	PRELIMINARY INFORMATION	2012	WHITE	41
	FLUID LEAK FROM PAN	2013	RED	76
	2-3 FLARE, AND/OR DELAYED REVERSE, MAT SET PO733	2013	RED	78
	VALVE BODY VARIATIONS	2015	WHITE	4
	1-2-3-4/3-5-R CLUTCH HOUSING DISASSEMBLY, ASSEMBLY PROCEDURE	2017	WHITE	24
	SHIFTS LATE AFTER FIRST SHIFT SEQUENCE	2018	RED	91
	SUDDEN LOSE OF MOVEMENT	2019	WHITE	52
	RUNNING HOT, TRANSMISSION COOLING UPGRADE	2019	WHITE	56
	REVISED UPDATED CLUTCH CLEARANCE SPECIFICATIONS	2019	WHITE	58
	DELAYED ENGAGEMENTS, OR NEUTRAL CONDITION IN DRIVE AND REVERSE	2019	WHITE	62
	"BIND-UP" ON THE 1-2 SHIFT	2020	WHITE	79
	2015-UP CENTER GEAR CASE CHANGES	2020	WHITE	82
	AFTER REBUILD, NO ENGAGEMENT WHEN COLD	2021	WHITE	63
	TRANSMISSION RUNNING "HOT" COOLER UPGRADE	2022	WHITE	70
	ROTATIONAL FRONT PUMP SEAL, "THIS IS NORMAL"	2022	WHITE	72
	DELAYED ENGAGEMENT INTO REVERSE	2023	WHITE	33
	FRONT PLANETARY FAILURE	2023	WHITE	40
	TRANSMISSION "OVERTEMP" CONDITION	2023	WHITE	43
	OVERHEATS AFTER REBUILD	2023	WHITE	51
	2WD EXTENSION HOUSING BUSHING FAILURE	2024	WHITE	63
	NO REVERSE AFTER OVERHAUL	2024	WHITE	68
	TCC SLIP CODES AND CONVERTER FAILURE	2024	WHITE	70
	NO REVERSE WITH A FORD REMAN	2024	WHITE	80
8F35/40/57	PRELIMINARY INFORMATION	2021	WHITE	18
	NO OR INTERMITTENT "LOSS OF REVERSE"	2022	WHITE	75
	AFTER ANY REPAIRS, SHIFT RELEARN PROCEDURE	2023	WHITE	18
	IN AND OUT OF LOCKUP BEFORE AND AFTER REBUILD	2024	WHITE	50
10R60/80	PRELIMINARY INFORMATION	2019	WHITE	76
	RATTLING SOUND FROM BELLHOUSING AREA	2020	WHITE	74
	HARSH 7-6 DOWNSHIFT	2021	WHITE	66
	SLIPS ON INITIAL TAKE OFF, NEUTRALS IN HIGHER GEARS, SETS PO7F7,PO734	2022	WHITE	75
	SLIPS IN 10TH GEAR, SET CODE PO7F7	2022	WHITE	79
	CLUTCH CLEARANCE SPECS AND SELECTIVE PART NUMBERS	2022	WHITE	82
	AFTER REBUILD, SETTING GEAR RATIO CODES	2023	WHITE	55
	UPDATED "C-D-F" CLUTCH HOUSING	2023	WHITE	57
	DELAYED REVERSE, BIND-UP DRIVE, 3-4 FLARE, HARSH 4-3 DOWNSHIFT	2023	WHITE	59
	FALLS OUT OF 10TH GEAR	2024	WHITE	83
	LEAKS OUT THE VENT AFTER REBUILD	2024	WHITE	91
	INTERMITTENT SHIFT QUADRANT LIGHTS DISPLAYED	2024	WHITE	96
10R140	CONVERTER FAILURE BEFORE & AFTER REBUILD	2024	WHITE	98
10R140	"SCRAPPING" NOISE FROM BELLHOUSING	2023	WHITE	60
	SLIPPING IN 4TH GEAR AND REVERSE	2023	WHITE	61
A4LD	AFTER REBUILD, PREMATURE REVERSE DRUM BUSHING FAILURE	2000	RED	55
AF21/AF40-6/TF81SC	PRELIMINARY INFORMATION	2007	RED	31
	NO ENGAGEMENT INTO DRIVE OR REVERSE	2013	RED	84
	HARSH AND ERRATIC SHIFTS, SETS CODE P2544	2013	RED	86

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TRANSMISSION		YEAR	BOOK	PAGE
AF21/AF40-6/TF81SC	2-3 UPSHIFT FLARE	2014	BLUE	88
	VALVE BODY IDENTIFICATION	2016	WHITE	10
	AFTER REBUILD, SLIPS REVERSE, TCC CHATTER	2016	WHITE	22
	SOLENOID CONNECTOR IDENTIFICATION	2016	WHITE	26
AODE/4R70W	INTERNAL HARNESS AND CASE CONNECTOR CHANGES FOR 1998	2000	WHITE	87
	INTERMITTENT MIL LIGHT/MAY SET CODE PO741,750,755,1746	2000	WHITE	91
	OIL VENTING OUT FILLER TUBE	2001	RED	27
	GEAR RATIO ERRORS	2001	RED	28
	ERRATIC SPEEDOMETER OPERATION	2003	RED	45
	96 AND LATER VB GASKET CHANGES	2003	RED	47
	00 AND LATER CLICKING NOISE IN 1ST GEAR	2004	RED	5
	NEW TURBINE SPEED SENSOR ADDED 04 AND UP	2004	RED	9
	CENTER GEAR CASE CHANGE	2005	RED	5
	SLIPPING ALL GEARS, LOSE OF EPC PRESSURE	2005	WHITE	113
	04-UP SETTING PO715/717 OR ERRATIC SHIFTS	2006	RED	5
	01 AND UP VALVE BODY CHANGE	2006	RED	11
	01 AND UP 2-3 NEUTRAL AFTER REBUILD	2006	RED	25
	NEUTRALS 1ST GEAR FROM A STOP, 96-UP IN "D" RANGE ONLY	2006	RED	29
	CHANGES FOR MODEL YEAR 2004	2006	WHITE	109
	EXCESSIVE SLIPS IN FORWARD	2007	WHITE	112
	TCC APPLIES ON TOP OF 2ND GEAR	2007	WHITE	115
	04-UP AFTER REBUILD,SLOW OR NO SPEEDOMETER,MAY SET PO720,722	2008	RED	22
	01-UP BEFOR OR AFTER REBUILD 3-4 NEUTRAL	2009	WHITE	105
	SLIPS IN 3RD GEAR, DIRECT CLUTCH FAILURE	2010	WHITE	87
	TRANSMISSION OVERHEATS	2011	WHITE	90
	ERRATIC OPERATION, SETTING VARIOUS ELECTRICAL CODES	2011	WHITE	93
	09-UP NEW INTERNAL HARNESS AND SOLENOIDS	2012	WHITE	12
	AFTER REBUILD, REAR GEARTRAIN DAMAGE	2012	WHITE	15
	08-2011 PREMATURE PLANETARY GEAR FAILURE	2014	WHITE	48
	SLIPPING IN 3RD GEAR	2019	WHITE	29
	08 MODELS, SLIPS 3-4 SHIFT, SHIFT SHUTTLES, NEUTRALS AT A STOP	2019	WHITE	32
	TCC BEING COMMANDED IN 2ND GEAR	2020	WHITE	44
	2008-2012, CHRONIC PLANETARY FAILURE	2020	WHITE	46
	AFTER CASE CONNECTOR REPLACEMENT, SETS SOLENOID CODES	2021	WHITE	49
	AFTER EPC REPLACEMENT, HARSH ENGAGEMENTS, HARSH SHIFTS	2021	WHITE	50
	SETTING CODE PO741, TCC SLIPS	2021	WHITE	52
	AFTER REBUILD, NO 4TH GEAR	2022	WHITE	5
	HARSH 3-4 SHIFTS	2024	WHITE	4
	BRUTAL 1-2 SHIFT AFTER REBUILD	2024	WHITE	7
AXOD	ACCUMULATOR SPRING ID AND USAGE	2002	RED	64
AXODE-AX4S	2ND GEAR START, MAT ALSO SET CODE P1784	2000	RED	30
	HARSH 3-2 DOWNSHIFT COASTING AROUND CORNER, SHUDDER ON ACCEL	2000	RED	42
	ERRATIC SHIFTING, MAY ALSO SET CODES 623 OR P1779	2000	RED	50
	GEAR RATIO ERRORS	2001	RED	18
	ACCUMULATOR SPRING ID AND USAGE	2002	RED	64
	HARSH OR FLAIED 1-2 UPSHIFT	2003	RED	11
	91 TO 02 OIL PUMP AND VB CHECKBALL LOCATIONS	2003	RED	16
	DRIVE TO NEUTRAL GARAGE SHIFT SHUDDER	2003	RED	23

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AXODE-AX4S	NO REVERSE AFTER OVERHAUL 99 AND LATER	2003	RED	25
	FORD WINDSTAR LOSS OF TCC APPLICATION	2004	RED	17
	CORRECT LU SOLENOID AND CONVERTER USAGE	2004	RED	22
	PREMATURE OD BAND FAILURE	2005	RED	25
	SETTING CODE PO743	2005	RED	26
	99 AND UP NEW INTERNAL COOLER BYPASS CIRCUIT	2006	RED	80
	2000 AND UP HARD TO FEEL WITH FLUID	2007	RED	12
	99 AND UP, 1-2 NEUTRAL AFTER REBUILD	2008	RED	5
	N-D DELAY/BANG ENGAGEMENT, 99 AND UP	2008	RED	11
	NO 3RD GEAR AFTER REBUILD	2008	RED	15
	TURBINE SPEED SENSOR DIFFERENCES	2011	WHITE	97
AX4N-4F50N	STALLS IN GEAR AFTER REBUILD	2000	RED	43
	GEAR RATIO ERRORS	2001	RED	18
	1998 VALBE BODY CHANGES	2001	RED	21
	96-97 NO TCC APPLY	2002	RED	58
	ACCUMULATOR SPRING ID AND USAGE	2002	RED	64
	NO REVERSE AFTER OVERHAUL 99 AND LATER	2003	RED	25
	CORRECT LU SOLENOID AND CONVERTER USAGE	2004	RED	22
	SETTING VSS CODES, HOWEVER THE VSS IS ELIMINATED FROM THE TRANS	2005	RED	30
	94-97 HARSH UP AND DOWNSHIFTS AFTER REBUILD	2005	RED	35
	MOMENTARY NEUTRAL ON ACCEL, SHIFT SELECTOR IN OD POSITION	2005	RED	40
	NO 4TH OR NEUTRALS AT A STOP	2005	RED	43
	HARD TO FILL WITH FLUID	2007	RED	12
	2004 AND UP, NO MOVE CONDITION, AFTER REBUILD OR VB REPLACEMENT	2007	RED	13
	04 AND UP 1-2 SLIDE/BANG BEFORE OR AFTER REBUILD	2008	RED	8
	N-D DELAY/BANG ENGAGEMENT	2008	RED	13
	NO 3RD GEAR AFTER REBUILD	2008	RED	15
	SETTING CODE PO708 ,P1702	2008	RED	18
	99-UP DELAYED REVERSE AND/OR SLIPS REVERSE	2009	WHITE	118
	TURBINE SPEED SENSOR DIFFERENCES	2011	WHITE	97
CD4E	AFTER REBUILD, CONTINUOUS FRONT SEAL LEAK	2000	RED	57
	HIGH LINE PRESSURE, MAY ALSO SET RATIO CODES OR 452	2000	RED	63
	PERSISTENT RATIO ERRORS OR TCC SLIP CODES	2001	RED	4
	FRONT SEAL BLOW OUT OR CONSTANT LEAK	2001	RED	6
	PREMATURE BUSHING FAILURE OR NO FORWARD/REVERSE	2001	RED	10
	HIGH GEAR STARTS IN MANUAL LOW	2001	WHITE	117
	AIR CHECK PASSAGES	2002	RED	76
	AFTER REBUILD SETTING CODE PO741	2003	WHITE	100
	ERRATIC BEHAVIOR WITH OR WITHOUT CODES	2003	WHITE	103
	TIE-UP IN 4TH GEAR AFTER REBUILD	2003	WHITE	106
	99 AND LATER ERRATIC OR NO VSS	2003	WHITE	116
	SETTING CODE 628 OR P1744 TCC SLIP	2003	RED	4
	SETTING CODE PO741 AFTER REBUILD	2005	RED	66
	3-2 TIMING VALVE CHANGE 02 AND UP	2007	RED	24
	01-UP AFTER REBUILDS, SETTING RATIO CODES	2010	WHITE	84
CFT30(CVT)	VARIOUS NOISE CONCERNS, BEFORE AND AFTER REBUILD	2009	RED	25
	TCC PERFORMANCE AND/OR TURBINE SENSOR CODES	2011	RED	4
	PRELIMINARY INFORMATION, REBUILD BENCH NOTES	2015	WHITE	24

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CFT30(CVT)	DIAGNOSING PRESSURE SENSOR CODES	2015	WHITE	44
	NOISE DURING TRANSMISSION OPERATION	2016	WHITE	20
	AFTER REBUILD, INTERMITTENT HARSH SHIFTS, MAY SET PO701,716	2016	WHITE	32
DPS6(DSG)	TRANS OVERHEAT MESSAGE, SETTING TRS,TCM POWER,COMM CODES	2016	WHITE	36
	COMPLAINT ROLLING BACKWARDS WHEN BRAKE PEDAL IS RELEASED	2018	WHITE	15
	NO START, SETTING CODES P2872 AND P287A	2018	WHITE	18
	ADAPTIVE RELEARN PROCEDURES	2018	WHITE	22
	NO ENGINE CRANK AND/OR ENGAGEMENT ISSUES, MAY SET CODES	2019	WHITE	5
	SLIPPING OR LOSE OF GEARS, MAY SET PO7A3	2021	WHITE	68
	RANDOMLY SETTING CODES PO219, P2837-00, P287B-00	2022	WHITE	34
	CANNOT PROGRAM THE CLUTCH ADAPTION	2024	WHITE	54
E4OD-4R100	PREMATURE OVERDRIVE CLUTCH FAILURE	2000	RED	10
	AFTER REBUILD, MISSED SHIFTS	2000	RED	13
	94-95 ERRATIC SPEEDO OPERATION, ENGINE STALLS IN REVERSE	2000	RED	16
	STUCK IN 4TH GEAR, HIGH LINE PRESSURE, SETS NO CODES	2000	RED	17
	DIFFERENCES BETWEEN PTO AND NON PTO	2000	WHITE	97
	NO UPSHIFT, COMPUTER COMMANDS OK	2001	RED	26
	PWM AND NON PWM PUMP DIFFERENCES	2001	WHITE	109
	NEW DIGITAL RANGE SENSOR SOME 97 AND UP/TESTING	2002	RED	4
	PREMATURE INTERMEDIATE DIODE FAILURE	2002	WHITE	118
	DELAYED REVERSE	2003	RED	31
	STACKED UPSHIFTS 2WD ONLY	2003	RED	32
	NEW DESIGN SUN SHELL	2003	RED	36
	PREMATURE FAILURE OF INTERMEDIATE DIODE	2003	RED	42
	COLUMN MOUNTED MANUAL SHIFT LEVER SAFETY ALERT	2004	RED	28
	SETTING CODES PO715, PO717, 4TH GEAR TAKE-OFF	2009	WHITE	111
	STALLS ENGINE WHEN PUT IN DRIVE OR REVERSE, ALSO SETS PO720	2019	WHITE	34
ECVT/HYBRID	NO FORWARD, AFTER REBUILD	2021	WHITE	62
	NO MOVEMENT OR ENGINE STALLS, TCC RELEASE OIL COMPLAINTS	2022	WHITE	85
F4E-III	PRELIMINARY INFORMATION	2012	RED	75
	FORD ESCAPE, LOSE OF HYBRID SYSTEM VOLTAGE, CODES P1A10,P1A14	2016	RED	107
F4E-III	1998 ESCORT/TRACER VEHICLES VALVEBODY CHANGES	2002	WHITE	99
FNR5	PRELIMINARY INFORMATION	2009	RED	11
	HARSH UPSHIFTS AND/OR DOWNSHIFTS	2011	WHITE	107
	SHORT 3-4 BIND UP SHIFT	2011	WHITE	113
	SECONDARY VALVE BODY VARIATIONS	2012	WHITE	4
	SETTING PO771 SOLENOID "E" PERFORMANCE CODE	2014	WHITE	32
	1-2 FLARE OR SLIDE BUMP AFTER REBUILD	2014	WHITE	35
	SLIPPING OR NO REVERSE, BEFORE OR AFTER REBUILD	2017	WHITE	6
	SETTING PO734 AND PO744	2018	WHITE	4
	NO REVERSE, 2ND OR 4TH GEARS, SETS PO732,PO734 AND PO757	2019	WHITE	13
	SETTING PO735, BEFORE AND/OR AFTER REBUILD	2020	WHITE	4
	SLIPPING OR NO REVERSE, WHEN HOT	2021	WHITE	5
	NO REVERSE, NO 2ND AND HARSH SHIFT INTO 4TH	2024	WHITE	18
HF35	THUMPING AND GRINDING NOISES	2024	WHITE	38



## Ford/Lincoln/Mercury (Cont.)

TRANSMISSION		YEAR	BOOK	PAGE
INTELLIGENT(AWD)	"AWD" LAMP FLASHING, SETTING CODE P1824	2020	WHITE	36
MISC FORDS	96 AND LATER NO TCC APPLICATION AT LESS THEN 30% THROTTLE	2005	RED	10
	MAF SENSOR EFFECTING SHIFT TIMING, FEEL CONCERNS	2005	WHITE	93
	98 TO 02 KEY SWITCH HARD TO TURN, SETTING PO500	2007	WHITE	117
	CYLINDER HEAD TEMP SENSOR DIAGNOSIS	2014	WHITE	28
PTU(AWD)	VENT LEAKS	2014	WHITE	22
	PTU OIL SEAL LEAK	2021	WHITE	17

## Genesis

TRANSMISSION		YEAR	BOOK	PAGE
A8LR1	NO FORWARD OR REVERSE, CASE SLEEVE TURNED	2022	BLUE	88

## General Motors

TRANSMISSION		YEAR	BOOK	PAGE
125	DIAGNOSING A NO TCC CONDITION	2005	BLUE	42
2ML70/HYBRID	PRELIMINARY INFORMATION	2012	RED	55
	PRELIMINARY INFORMATION	2013	WHITE	4
	ELECTRICAL MALFUNCTION, SETTING MULTIPLE U-CODES, MAY FAILSAFE	2014	RED	14
	AUTO STOP FEATURE IS INOPERATIVE	2016	RED	95
440T4	NO VCC ENGAGEMENT SETTING CODE 39	2000	WHITE	71
4L30E	SLIPPING OR NO 2ND GEAR	2001	BLUE	40
	NO 4TH, FAILSAFE, GEAR RATIO CODES SET	2003	BLUE	31
	BIND ON TAKE OFF OR BIND ON 2-3 SHIFT BEFORE OR AFTER REBUILD	2004	BLUE	15
4L60-65-70E	NEW DESIGN 1-2 ACCUMULATOR PISTON	2000	WHITE	16
	SETTING SOLENOID ELECTRICAL CODES	2000	WHITE	28
	NO UPSHIFT/NO SPEEDO/MAY SET VSS CODES	2000	WHITE	30
	LACK OF LUBRICATION	2001	WHITE	19
	PARK/NEUTRAL SWITCH DIAGNOSIS	2001	WHITE	22
	SETTING CODE P1870	2001	WHITE	26
	CHANGE IN BELLHOUSING FOR 1998	2001	WHITE	32
	HIGH LINE PRESSURE SETTING CODE 43	2001	WHITE	40
	01AND UP 7 DISC 3-4 CLUTCH, RETRO-FIT BACK TO 93	2002	WHITE	11
	NEW 29 ELEMENT SPRAG WILL RETRO-FIT ALL YEARS	2002	WHITE	16
	NEW 5 PINION FRONT AND REAR CARRIERS	2002	WHITE	17
	01 AND UP NEW SUN SHELL AND THRUST BEARING	2002	WHITE	19
	NEW DESIGN VB AND SPACER PLATE FOR 2001	2003	WHITE	15
	1993 TO 2003 SPACER PLATE IDENTIFICATION	2003	WHITE	20
	LATE 2-3 AND 3-4 UNDER HEAVY THROTTLE	2003	WHITE	41
	99 to 01 LATE SHIFTS WHEN COLD	2003	WHITE	42
	FAILSAFE SETTING CODE 84	2004	WHITE	39
	NEW P/N SWITCH STRATEGY 2000 MODEL YEAR	2004	WHITE	43
	03-UP NEW PCS AND INTERNAL HARNESS	2005	WHITE	33

## General Motors (Cont.)

TRANSMISSION		YEAR	BOOK	PAGE
4L60-65-70E	SHIFT STABILIZATION/TOW HAUL MODE	2005	WHITE	35
	NEW HARDENED SUN SHELL AND THRUST BEARING	2005	WHITE	37
	SLIPPING 1-2 SHIFT OR SHUTTER	2005	WHITE	40
	04 MODELS NEW OIL PUMP TO CASE SEAL	2005	WHITE	43
	04 MODELS NEW PARK NEUTRAL POSITION SWITCH	2005	WHITE	48
	STAKED SHIFTS, EARLY TCC APPLY 95-00 MODEL YEARS	2005	WHITE	51
	06 AND UP INPUT SPEED SENSOR ADDED	2007	WHITE	5
	SLIDE BUMP OR CHATTER ON THE 1-2 UPSHIFT	2007	WHITE	24
	AFTER REBUILD, SETTING PO716,717 MULTIPLE INTERNAL ISSUES	2009	WHITE	5
	2009 INTERNAL CHANGES	2009	WHITE	12
	1993-2009 SPACER PLATE IDENTIFICATION	2009	WHITE	24
	04-06 INTERNAL WATER CONTAMINATION	2009	WHITE	37
	AFTER REBUILD, HARSH 1-2 AND 3-4 SHIFTS	2010	WHITE	6
	04-LATER "T" SERIES TRUCKS TRP MODEL CHANGES	2010	WHITE	9
	PARTIAL HYBRID TRANSMISSION, AUXILIARY PUMP FILTER	2010	WHITE	15
	POOR 1-2 AND 2-3 SHIFT QUALITY	2011	WHITE	4
	3RD GEAR START, COMMANDS 1ST, MAY BIND IN REVERSE	2011	WHITE	7
	04-05 WITH 4.2L, HARSH SHIFTS/SETTING PO741	2011	WHITE	9
	AFTER REBUILD, NO ENGAGEMENT, PUMP ROTOR BROKEN	2012	RED	14
	PREMATURE/REPEATED 3-4 CLUTCH FAILURE	2013	RED	4
	#5 CHECK BALL ELIMINATED, SPACER PLATE CHANGE	2013	RED	8
	02-03 HESITATION, STUMBLE OR STALL, SLIPPING HARSH 1-2 SHIFT	2014	RED	4
	05-UP, SETTING PO894 TCC SLIP	2014	RED	7
	07- UP SETTING PO717, ISS FAULT	2014	RED	10
	INTERMITTENT HARSH SHIFTS, SETTING CODES PO961, P2769	2016	RED	4
	2-3 LATE SHIFT, SLIPPING 4TH, SETTING CODE PO758	2016	RED	6
	SHUDDER ON DOWSHIFTS, TCC STUCK ON SENSATION, SETTING PO123	2016	RED	8
	07 INPUT CARRIER AND REACTION SHAFT DESIGN CHANGE	2018	RED	8
	SETTING PO716, PO717	2018	RED	12
	AFTER REBUILD, LEAKING OUT THE VENT	2020	RED	72
	2ND GEAR STARTS	2021	RED	5
	HARSH ENGAGEMENTS AND SHIFTS, SETTING ENGINE LEAN CODES	2021	RED	8
	2010-2014 SPACER PLATE IDENTIFICATION NUMBERS	2021	RED	10
	NO 4TH GEAR UNDER LOAD, SPEED LIMITER/SOFTWARE OPTION	2021	RED	12
	REPEAT PUMP ROTOR FAILURE	2021	RED	14
	09-UP, ADDED INTERNAL MODE SWITCH AND DIFFERENT DETENT SPRING	2022	RED	5
	AFTER REBUILD, SUDDEN LOSS OF LINE PRESSURE	2022	RED	8
	AFTER REBUILD, NO REVERSE ENGAGEMENT	2022	RED	10
	BEFORE OR AFTER REBUILD, HARSH 1-2 SHIFT	2022	RED	12
	VALVE BODY STUCK VALVES, REMOVAL INFORMATION	2022	RED	16
	REVISED VALVE BODY AND PLATE "ID"	2023	RED	9
	PAZCO SLIDE SPRING INSTALLER	2024	RED	5
4L80E	NEW SHIFT SOLENOID ASSEMBLIES	2000	WHITE	19
	DIFFERENCES WITH NEW CENTRAL LUBE SYSTEM	2000	WHITE	20
	SETTING SOLENOID ELECTRICAL CODES	2000	WHITE	28
	NO UPSHIFT/NO SPEEDO/MAY SET VSS CODES	2000	WHITE	30
	HIGH LINE PRESSURE SETTING CODE 43	2001	WHITE	40
	CENTER GEAR BOX CHANGES FOR 99 AND UP	2002	WHITE	23
	NEW DESIGN OVERRUN ROLLER CLUTCH 01 AND UP	2002	WHITE	33

## General Motors (Cont.)

TRANSMISSION		YEAR	BOOK	PAGE
4L80E	SETTING CODE P1870	2003	WHITE	43
	NEW DESIGN MANUAL 2 BAND	2003	WHITE	46
	OVERDRIVE GEAR SET FAILURE AFTER REBUILD	2005	WHITE	8
	ENGINE STUMBLE OR STALL IN DRIVE OR REVERSE AFTER REBUILD	2005	WHITE	14
	99-UP CENTER GEAR BOX CHANGES	2005	WHITE	18
	SHIFT SHUTTLE WITH 6.5L DIESEL ONLY	2005	WHITE	28
	04-UP NEW PCS AND INTERNAL HARNESS	2005	WHITE	33
	SHIFT STABILIZATION/TOW HAUL MODE	2005	WHITE	35
	98-00 GARAGE SHIFT ENGINE STALL	2005	WHITE	42
	SLIPPING OR NO 3RD, REVERSE, OR 4TH GEAR	2006	WHITE	92
	NEUTRALS DURING OR AFTER THE 4TH GEAR SHIFT	2008	WHITE	30
	MYSTERIOUS TRANSMISSION FLUID LOSE(HUMMERS ONLY)	2008	WHITE	75
	OUTPUT CARRIER IDENTIFICATION UPDATES	2010	WHITE	17
	SETTING PO894, TCC SLIP	2010	WHITE	20
	ENGINE OIL LEAK AFTER TRANSMISSION INSTALLED, 6.0L ENGINE	2016	RED	46
4ET50/HYBRID	PRELIMINARY INFORMATION	2013	WHITE	39
	MAKES SCRAPING NOISE WHILE DRIVING	2022	RED	75
	AUTO START-STOP IS INOPERATIVE	2016	RED	93
4T40/45E	CASE,CHANNEL PLATE AND CHECKBALL LOCATION CHANGES FOR 1997	2001	WHITE	4
	SETTING CODES P1887 or PO742	2001	WHITE	11
	METAL IN FLUID SHORTLY AFTER REBUILD	2002	WHITE	54
	SETTING CODES P1887 or PO742	2002	WHITE	56
	NEW PR VALVE AND SPACER PLATE FOR 2000	2003	WHITE	49
	97 TO 02 HARSH ENGAGEMENTS AND UPSHIFTS, MAY SET IAT CODES	2004	WHITE	24
	95 TO 04 ACCUMULATOR SPRING IDENTIFICATION	2004	WHITE	26
	SLIPPING FORWARD AND/OR REVERSE	2006	WHITE	69
	AFTER TRANSMISSION SWAP OR VB REPLACEMENT SETTING P1810	2006	WHITE	73
	HARSH SHIFTS, SETTING CODES PO010, PO011	2010	WHITE	5
	BEFORE OR AFTER REBUILD, SETS PO730	2014	RED	24
	4T45E/HYBRID SYSTEM INFORMATION	2014	RED	38
	4T45E/HYBRID "BAS" START/STOP INACTIVE	2014	RED	49
4T60E	TCC CYCLING BETWEEN 45 AND 55 MPH	2018	RED	4
	AFTER REBUILD, NO FORWARD MOVEMENT	2023	RED	5
	TAPERED ROTOR PUMP ID AND INTERCHANGE	2000	WHITE	9
	1-2,2-3 ACCUMULATOR SPRING IDENTIFICATION	2001	WHITE	44
4T60E	SETTING CODE P1870 COMPONENT SLIPPING	2002	WHITE	60
	3RD GEAR STARTS, NO AC, NO VOLTAGE TO TERMINAL "E"	2002	WHITE	64
4T65E	ENGINE OIL LEAK AFTER TRANSMISSION INSTALL	2001	WHITE	69
	SETTING CODE P1811, MAXIMUM ADAPT LONG SHIFTS	2002	WHITE	73
	SOFT 1-2 SHIFT OR DELAY REVERSE, MAY SET P1811	2002	WHITE	76
	1997 TO 2002 GEAR RATIO IDENTIFICATION	2002	WHITE	78
	INTERNAL MODE SWITCH ADDED IN SOME MODELS 99 AND UP	2002	WHITE	85
	FLUID LEAK FROM THE VENT	2003	WHITE	53
	RATTLING NOISE WITH ENGINE RUNNING	2003	WHITE	54
	AFTER REBUILD LONG DRAWN OUT SHIFTS MAY SET P1811	2004	WHITE	5
	SHIFTS OUT OF SEQUENCE, SOLENOID PERFORMANCE CODES SET	2004	WHITE	10

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TRANSMISSION		YEAR	BOOK	PAGE
4T65E	NO 3-4 SHIFT, MAY SET PO751	2004	WHITE	13
	NEW DESIGN INPUT AND 3RD PAWL CLUTCH ASSEMBLY 03 AND UP	2004	WHITE	14
	NEW DESIGN OIL PUMP ASSEMBLY 02-03 UP	2004	WHITE	19
	INTERNAL MODE SWITCH PROPER ALIGNMENT	2005	WHITE	59
	SETTING CODE PO742 TCC STUCK ON	2005	WHITE	65
	SETTING CODE PO742 TCC STUCK ON	2006	WHITE	5
	SETTING CODE P1887	2006	WHITE	13
	4T65E/EV/GT PRELIMINARY INFORMATION	2006	WHITE	23
	TCC SURGE AT HIGH SPEEDS OR SETTING PO741	2006	WHITE	53
	AFTER REBUILD DOES NOT MOVE AFTER SITTING FOR A PROLONGED TIME	2006	WHITE	58
	2000-UP ELIMINATION OF THE FORWARD/REVERSE SERVO BOOST VALVES	2006	WHITE	67
	HARSH SHIFTS, SETTING P1811	2007	WHITE	16
	AFTER REBUILD, SETTING PO741, TCC STUCK OFF	2009	WHITE	57
	AFTER REBUILD, SETTING TCC CIRCUIT FAULT CODES	2013	RED	24
	BEFORE OR AFTER REBUILD, SETS PO730	2014	RED	24
	TCC SURGE OR CYCLING ON/OFF	2014	RED	32
	INTERMITTENT SETTING U0073, MAY HAVE HARSH SHIFTS	2015	RED	64
	FRONT SEAL "WALK OUT", 5.3L ENGINE	2017	RED	4
4T80E	MIL LIGHT ON SETTING CODE PO503	2000	WHITE	73
	AFTER TRANSMISSION SWAP/SETTING CODES	2000	WHITE	77
	SETTING CODE 39	2001	WHITE	15
	SHIFT SHUTTLES	2001	WHITE	36
	GEAR RATIO ERRORS	2001	WHITE	37
	P/N SWITCH REPLACEMENT	2001	WHITE	70
	TURBINE SPEED SENSOR CHANGES FOR 96 AND UP	2003	WHITE	55
	INTERMITTENT RATIO CODE PO731 AND PO732	2003	WHITE	65
	SLIPPING OR NO REVERSE	2004	WHITE	31
	SLIPS IN 4TH OR NO 4TH	2004	WHITE	34
	NO MOVEMENT IN THE D4 POSITION AFTER REBUILD	2007	WHITE	74
	BEFORE OR AFTER REBUILD, SETS PO730	2014	RED	24
5L40E	PRELIMINARY INFORMATION	2002	WHITE	38
	LOW/ERRATIC LINE PRESSURE	2005	WHITE	55
	DELAYED FORWARD ENGAGEMENT	2005	WHITE	56
	5TH GEAR RATIO ERROR CODE SETTING	2005	WHITE	57
	VALVE BODY DISASSEMBLY TIPS	2005	WHITE	58
	NO REVERSE	2007	WHITE	25
	PREMATURE FAILURE OF THE REVERSE, DIRECT AND/OR COAST CLUTCH	2008	WHITE	5
	DELAYED OR BIND UP IN REVERSE, FLARE OR BIND UP INTO 4TH GEAR	2008	WHITE	6
	AFTER REBUILD, NO TCC OPERATION, MAY SET PO741	2008	WHITE	8
	1-2 BIND UP	2008	WHITE	11
	FALLING OUT OF 5TH, OR NO 5TH AT ALL	2008	WHITE	16
	AFTER REBUILD HARSH OR SLIPPING SHIFTS	2008	WHITE	25
	SHIFT FEEL COMPLAINTS, ACCUMULATOR SPECIFICATIONS AND ID	2009	WHITE	41
	PRESSURE INSTABILITY	2011	WHITE	11
	AFTER REBUILD OR SERVICE, STOPS MOVING	2012	RED	17
	04-05 BEFORE OR AFTER REBUILD, SETS PO711, TRANSMISSION OVERHEATS	2014	RED	28
	NO MOVEMENT AFTER REBUILD	2016	RED	10
	HARSH SHIFTS, SETTING P2637, INVALID ENGINE TORQUE SIGNAL	2018	RED	16

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### TRANSMISSION

	YEAR	BOOK	PAGE
6L40/50/80/90	2007	WHITE	38
PRELIMINARY INFORMATION	2009	WHITE	55
SLIPS IN FORWARD, SETTING CODE P2728	2011	WHITE	13
DELAYED, SLIPPING REVERSE, 2-3 SLIDE SHIFT	2011	WHITE	19
SETTING RANDOM SOLENOID PERFORMANCE CODES	2012	RED	28
FLARED 2-3 UPSHIFT AND/OR ENGAGEMENT CONCERNS	2012	RED	36
NO MOVEMENT AFTER REBUILD	2012	RED	40
3-5-R CLUTCH FAILURE AFTER REBUILD	2013	RED	16
SETTING MULTIPLE SOLENOID PERFORMANCE CODES	2013	RED	20
VALVE BODY IDENTIFICATION	2014	RED	14
ELECTRICAL MALFUNCTION, SETTING MULTIPLE U-CODES, MAY FAILSAFE	2015	RED	4
INTERMITTENT FAILSAFE AFTER PULLING LOAD OR DURING KICK-DOWN	2015	RED	8
NO FORWARD OR REVERSE OR MAY BE SLIPPING IN ALL RANGES	2016	RED	12
NO FORWARD OR REVERSE ON INITIAL TAKE OFF, GRINDING NOISE	2016	RED	16
ADDITION OF #8 CHECK BALL	2016	RED	20
WRONG GEAR START, DELAY/SLIP IN REVERSE, SETTING CODE PO751	2016	RED	24
PUMP ASSEMBLY INTERCHANGEABILITY	2016	RED	28
2010-UP, UPDATED OUTPUT SHAFT ASSEMBLY	2016	RED	32
NO COMMAND FOR TCC APPLICATION, SETTING CODE PO300	2016	RED	44
TECHM PART NUMBER APPLICATIONS	2017	RED	14
NO 4TH, 5TH or 6TH GEARS	2017	RED	16
CLUTCH CLEARANCE SPECIFICATIONS	2017	RED	20
TRANSMISSION FLUID PAN IDENTIFICATION	2019	RED	52
FILTER DAMAGE DURING TRANSMISSION INSTALL	2019	RED	57
DELAYED REVERSE ENGAGEMENT "WHEN HOT"	2019	RED	60
DELAYED ENGAGEMENTS, WHEN AT OPERATING TEMPERATURE	2019	RED	64
AFTER REBUILD, PREMATURE 2-6 CLUTCH FAILURE	2019	RED	68
6L90 DIESEL VS GASOLINE COMPONENT DIFFERENCES	2020	RED	74
INTERNAL PARTS DIMENSIONAL DIFFERENCES BETWEEN 6L80-90's	2020	RED	85
HILL START ASSIST IS INOPERABLE	2020	RED	87
TRANSMISSION SHUDDER COMPLAINTS	2020	RED	89
ENGINE STALLS WHEN PUT IN DRIVE	2021	RED	12
NO 5TH OR 6TH UNDER LOAD, SPEED LIMITER SOFTWARE OPTION	2021	RED	15
AFTER PUMP REPLACEMENT, SHOWS LOW LINE PRESSURE ISSUES	2021	RED	16
AFTER REBUILD, DELAYED ENGAGEMENTS	2021	RED	17
1-2-3-4/3-5-R/4-5-6 DRUM COMPATIBILITY BETWEEN 6L80/6L90	2021	RED	23
"OFFSHORE" 1-2-3-4/3-5-R DRUMS DEFECTIVE	2021	RED	32
HARSH ABRUPT SHIFTS, MAY ALSO FALL OUT OF GEAR	2021	RED	34
HARSH COAST DOWNSHIFT TO 2ND GEAR	2021	RED	37
SETTING CODE PO218 "HIGH TEMP OPERATION"	2021	RED	39
AFTER REBUILD, HAS MISFIRE, SET CODES P0090,P00C6,P00C8,P1248	2021	RED	41
ERRATIC PRNDL INDICATOR	2021	RED	42
TCC SHUDDER OR CYCLING	2021	RED	44
SOLENOIDS BUZZING	2021	RED	46
NO ENGAGEMENT, HARSH SHIFTING, SOLENOID PERFORMANCE CODES SET	2022	RED	36
3-5-R CLUTCH AIR CHECK LEAK	2022	RED	38
AFTER REBUILD, ENGINE STALLS IN FORWARD AND REVERSE	2022	RED	41
AFTER REBUILD, POOR SHIFT QUALITY OR NO 3RD, 5TH, OR REVERSE	2022	RED	48
AFTER REBUILD, NO FORWARD IN ANY SHIFTER POSITION	2022	RED	52
REDESIGNED THERMAL BYPASS VALVE	2022	RED	54
CONVERTER CLUTCH SLIPS BEFORE AND AFTER REBUILD			



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TRANSMISSION		YEAR	BOOK	PAGE
6L40/50/80/90	BELL HOUSING DAMAGE DURING BUSHING INSTALL	2023	RED	46
	OUTPUT PLANETARY FAILURE	2023	RED	48
	AFTER REBUILD, NO TCC APPLY, SETTING CODE PO741	2023	RED	52
	AFTER REBUILD, MAKING DRONING NOISE AND VIBRATION	2023	RED	54
	LOW CLUTCH LUBE SEAL DAMAGE, AFTER INSTALLING THE BELLVILLE SPRING	2023	RED	58
	2010-2011 WITH 6.2L, "RATTLING NOISE FROM UNDER THE HOOD	2023	RED	61
	AFTER REBUILD, HARSH 5-4 DOWNSHIFT	2023	RED	65
	AFTER REBUILD, ENGINE LUGS WHEN COMING TO A STOP	2023	RED	68
	HAS A COMMANDED 2ND GEAR START	2023	RED	72
	AFTER REBUILD, SLIPS IN ALL RANGES	2023	RED	74
	SLIDE/BANG ON INITIAL TAKE-OFF	2024	RED	8
	HARSH COAST DOWNSHIFTS	2024	RED	10
	BLOWN #40 TRANS FUSE	2024	RED	16
	DRIVESHAFT YOKE DAMAGE	2024	RED	19
	FALLS OUT OF GEAR AT A STOP	2024	RED	22
	HARSH 1-2 SHIFT	2024	RED	25
	NO 2ND OR 6TH GEAR	2024	RED	28
6T40/45/50	PRELIMINARY IFORMATION	2013	RED	34
	DRIVERS SIDE AXLE SEAL LEAKS	2014	WHITE	4
	GENERATION I AND II DIFFERENCES	2015	RED	10
	BUMPY OR SLIPPING REVERSE/3RD/5TH	2015	RED	44
	eASSIST HYBRID SYSTEM PRELIMINARY INFORMATION	2015	RED	48
	TECHM PART NUMBER APPLICATION	2016	RED	44
	NO 3RD, 5TH OR REVERSE GEARS	2017	RED	8
	SLIPPING OR NO FORWARD	2018	RED	22
	DROPPING IN AND OUT OF GEAR AT A STOP, SETS CODE PO57B	2018	RED	26
	BUMP, SURGE OR VIBRATION AT A STOP	2018	RED	28
	SETTING PO77C, LOSE OF OSS SIGNAL	2018	RED	31
	2015-UP GENERATION III CHANGES	2018	RED	33
	REPEAT TORQUE CONVERTER FAILURE, AFTER REBUILD	2019	RED	4
	DELAYED ENGAGEMENTS AFTER REBUILD	2019	RED	8
	FRONT PUMP SEAL USAGE BETWEEN GEN I,II,III	2020	RED	12
	ERRATIC SHIFT COMPLAINTS, SETS CODES PO102, PO103	2021	RED	48
	AFTER REBUILD, HYBRID MODELS, LOSE OF LINE PRESSURE	2021	RED	49
	GENERATION III PUMP UPDATE	2021	RED	54
	RE-OCCURING CODE PO741, GEN III MODELS	2022	RED	18
	AFTER REBUILD, NO REVERSE	2022	RED	22
	1-2 NEUTRAL CONDITION	2022	RED	24
	"SCRAPPING NOISE" ON TURNS (AWD MODELS)	2023	RED	26
	GEN III, FLARE OR SLIDE FEEL, SHIFT OVERLAP	2023	RED	29
	GEN III, FORWARD SLIP WITH POOR REVERSE ENGAGEMENT	2023	RED	32
	6T40 TURBINE SHAFT INTERCHANGE	2024	RED	30
	TRANSMISSION FLUID LEAK	2024	RED	34
	SLIPPING ON INITIAL TAKE-OFF	2024	RED	39
6T70/75	PRELIMINARY INFORMATION	2008	WHITE	42
	FAILSAFE, SETTING PO716,717, PO722, MAY ALSO SET SOLENOID CODES	2008	WHITE	72
	NO REVERSE, 3RD OR 5TH GEARS	2011	WHITE	30
	PO741 TCC STUCK OFF AFTER REBUILD	2012	RED	20

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TRANSMISSION		YEAR	BOOK	PAGE
6T70/75	SETTING MULTIPLE PRESSURE SWITCH CODES	2013	RED	54
	AFTER REBUILD, SETTING PO741	2015	RED	59
	HARD RIDE AFTER EXTENDED TIME SITTING ON VEHICLE LIFT	2015	RED	60
	SETTING PO741, BEFORE AND/OR AFTER REBUILD	2016	RED	39
	TECHM PART NUMBER APPLICATIONS	2016	RED	44
	DELAYED DRIVE ENGAGEMENT AND SLIPS IN 1ST GEAR	2019	RED	12
	DELAYED ENGAGEMENTS AFTER REBUILD	2019	RED	14
	RATTLING NOISE WHEN PUT IN GEAR	2019	RED	22
	GENERATION II CHANGES	2019	RED	24
	BANG IN REVERSE, DELAYS IN DRIVE, 2-3 FLARE	2020	RED	4
	AFTER REBUILD, NO FORWARD ENGAGEMENT, GOOD REVERSE	2020	RED	6
	DELAYED/ SLIP IN REVERSE, SLIP IN 3RD AND 5TH	2020	RED	7
	NO ENGAGEMENT, HARSH SHIFTING, SETS SOLENOID PERFORMANCE CODES	2021	RED	46
	SETTING CODE P182E, MAY HAVE NO PRNDL DISPLAY	2021	RED	62
	AFTER REBUILD, NO MOVEMENT	2021	RED	66
	AFTER REBUILD, MOVES REVERSE IN NEUTRAL, BIND-UP IN DRIVE	2021	RED	67
	AFTER REBUILD, 2-3 SHIFT FLARE	2022	RED	26
	SELF-TAPPING PUMP SCREWS	2022	RED	28
	SETTING CODE P1825, "INVALID RANGE"	2022	RED	32
	NO COMMUNICATION WITH TCM, SETTING CODE UO101	2023	RED	36
	2-3 SHIFT FLARE, FOLLOWED BY SLIPPING IN 3RD	2023	RED	38
	2-3 AND 4-5 SHIFT COMPLAINTS	2023	RED	42
	MOVEMENT WITH ELEVATED ENGINE RPM ONLY	2024	RED	41
	CONVERTER CLUTCH SHUDDER PERCEPTION	2024	RED	134
80-40LE	09-2011 CHEVY AVEO, HARSH ENGAGEMENT & NO OVERDRIVE	2017	RED	80
8L45/50/90	HARSH/SLIPPING/FLARED SHIFTS BEFORE, OR AFTER REBUILD	2016	RED	36
	PRELIMINARY INFORMATION	2017	RED	23
	DELAYED ENGAGEMENT AFTER PROLONGED INACTIVITY	2017	RED	66
	GEAR WHINE IN 4TH AND 5TH GEARS	2017	RED	68
	WHISTLING NOISE WHEN RUNNING	2017	RED	70
	ELIMINATION OF THE #7 CHECKBALL & LUBE OVERRIDE ENABLE VALVE	2017	RED	72
	SHUDDERS BETWEEN 25 AND 80 MPH	2018	RED	37
	2016-2017 CADILLAC ATS AND CTS AUTOSTOP LOW SPEED ISSUE	2019	RED	48
	TRANSMISSION SHUDDER COMPLAINTS	2020	RED	87
	AFTER REBUILD, NEUTRALS ON 3-4 SHIFT	2020	RED	91
	SETTING CODE P07BF, ISS VOLTAGE LOW	2021	RED	70
	INTERNAL WIRING HARNESS CONFIGURATIONS, PART NUMBERS	2021	RED	72
	NO MOVEMENT, AFTER VALVE BODY REPLACEMENT	2021	RED	76
	PARK DOES NOT HOLD OR PARK WILL NOT ENGAGE	2021	RED	77
	"BIND-UP" WHILE COMING TO A STOP	2021	RED	79
	BEFORE OR AFTER REBUILD, FALLS OUT OF GEAR AT A STOP	2021	RED	83
	SHUDDERS DURING ACCELERATION	2021	RED	90
	HARSH 1-2 SHIFT AND HARSH 5-4 DOWNSHIFT	2022	RED	57
	2015 AND LATER, INCREASED THROTTLE PEDAL EFFORT	2022	RED	60
	2018-UP PUMP AND GASKET CHANGE	2022	RED	62
	NO MOVEMENT AFTER VALVE BODY REPLACEMENT	2022	RED	66
	2017-2019 WITH BW4474 TRANSFER CASE, FRONT WHEEL AREA NOISE	2022	RED	69
	NO MOVEMENT AFTER REBUILD	2023	RED	76

## General Motors (Cont.)

TRANSMISSION		YEAR	BOOK	PAGE
8L45/50/90	NO UPSHIFT AFTER REBUILD, SETTING CODE PO722 AND P176B	2023	RED	43
	DELAYED ENGAGEMENT OR NO MOVEMENT	2023	RED	47
	"CRACKED" FRONT COVER DURING ASSEMBLY	2023	RED	51
	AFTER REBUILD, SETTING CODE PO747	2023	RED	63
	LOSS OF COOLER PRESSURE	2023	RED	67
	SLIPPING OR NO MOVEMENT, 6.2L ENGINE, LOW FLUID LEVEL	2023	RED	69
	WHINING NOISE	2024	RED	70
	SETTING TROUBLE CODE P0708	2024	RED	72
	GENERATION II CLUTCH COMPONENT CHANGES	2024	RED	78
	FRONT COVER SUPPORT GASKET CHANGE	2024	RED	80
	NO FORWARD, GOOD REVERSE	2024	RED	88
	REAR WHEELS LOCK UP	2024	RED	92
	REVERSE IN ALL GEAR SHIFT POSITIONS	2024	RED	94
	TRANSMISSION OVERHEATING	2024	RED	96
9T45/50/60/65	PRELIMINARY INFORMATION(NON-ETRS MODELS)	2020	RED	22
	MAKING CLICKING NOISE AFTER ENGINE SHUTDOWN	2020	RED	70
	"SHIFT TO PARK" MESSAGE DISPLAYED	2021	RED	58
	SETTING PO747 DURING ENGINE START-UP, IN PARK	2021	RED	91
	AFTER REPLACING SOLENOID BODY, "PUN" NUMBER PROGRAMMING	2021	RED	93
	"WILL NOT ENGAGE PARK", SETS CODE P187E	2022	RED	72
	NO REVERSE	2024	RED	78
	SETTING DTC P187E	2024	RED	81
	2023 FLUID LEVEL CONTROL CHANGES	2024	RED	85
	SETTING DTC P189D or P18DD	2024	RED	90
	RATTLE NOISE FROM FRONT OF TRANSMISSION	2024	RED	92
	1-2 FLARED SHIFT	2024	RED	94
	AWD LAMP ON, DTC'S SET	2024	RED	114
	GM "B" BODY VEHICLES RATTLE NOISE FROM FRONT OF TRANSMISSION	2024	RED	121
10L80/90	TRANSMISSION SHUDDER COMPLAINTS	2020	RED	70
	SHUDDERS DURING ACCELERATION	2021	RED	90
	PUN-PART UNIQUE NUMBERS	2021	RED	95
	VALVE BODY BOLT REPLACEMENT INFO	2022	RED	73
	NOISE COMING FROM FRONT OF TRANSMISSION	2023	RED	100
	SETTING TROUBLE CODE P0708	2024	RED	47
	NEW TYPE AUXILIARY PUMP TUBE SEAL	2024	RED	96
	ACOUSTIC SOUND INSULATOR	2024	RED	100
	STUCK IN PARK	2024	RED	102
	RETAINING SNAP RINK SERVICE KIT	2024	RED	108
AF23/33	PRELIMINARY INFORMATION	2005	BLUE	91
	GEAR RATIO'S INFORMATION	2006	BLUE	30
	STUCK IN FAILSAFE, SETTING CODE PO717	2008	WHITE	34
	2-3 FLARED SHIFTS, MAY HAVE FLARED 3-4 AS WELL	2008	WHITE	37
	VALVE BODY AND SOLENOID ID FOR SERVICE	2009	BLUE	115
	BUSHINGS AND/OR CASE FAILURE	2010	BLUE	118
	AFTER REBUILD, 2-3 AND/OR 4-3 FLARE	2013	BLUE	113
	AFTER REBUILD, HARSH REVERSE ENGAGEMENT	2013	BLUE	116
	STUCK IN 5TH GEAR, SES LIGHT ON, CODES PO700,P1779,P1791	2013	RED	28

## TRANSMISSION

		YEAR	BOOK	PAGE
AF23/33	07-UP TCM RELOCATED	2013	RED	31
	VALVE BODY ASSEMBLY INFORMATION	2014	RED	30
AF50-8	VALVE BODY AND SOLENOID IDENTIFICATION	2018	RED	47
	ELECTRONIC TRANSMISSION RANGE SELECT INFORMATION (ETRS)	2018	RED	62
	ELECTRONIC TRANSMISSION RANGE SELECT SYSTEM(ETRS)	2019	RED	39
	AFTER R&R TRANSMISSION SETS CODES PO73D,PO73E,PO7E4,P1769	2020	RED	16
TAAT	WHINE NOISE IN 2ND GEAR	2000	WHITE	79
	GRIND OR BIND IN REVERSE	2000	WHITE	81
	ERRATIC SHIFT PATTERNS AFTER REBUILD OR REPROGRAMMING PCM	2000	WHITE	83
	DELAYED OR NO REVERSE, MAY HAVE SOFT OR FLAIRED 1-2 UPSHIFT	2003	WHITE	4
	DELAYED IN DRIVE AND/OR BIND IN REVERSE	2003	WHITE	6
	FALLS OUT OF DRIVE AT A STOP	2003	WHITE	9
	INPUT SHAFT INTERCHANGE	2006	WHITE	76
	2000 AND UP NEW DESIGN SOLENOID ACTUATORS	2006	WHITE	78
	96 AND UP HARSH SHIFTS SETTING PO746 AND/OR 798	2006	WHITE	82
	SETTING CODE P1624	2008	WHITE	40
VT20/25E	NO RATIO CHANGE AFTER REBUILD OR VB REMOVAL	2007	WHITE	69
	DELAYED FORWARD ENGAGEMENT	2010	WHITE	21
	AFTER REBUILD, NOISE IN FORWARD AND REVERSE	2010	WHITE	23
	BELT SLIPPAGE	2011	WHITE	33
	AFTER INSTALL, LEAKS OUT THE FRONT	2011	WHITE	37
STEYR/PTU/AWD	NOISE AND PREMATURE GEAR FAILURE	2011	WHITE	24
MISC GM	TOW/HAUL SWITCH MALFUNCTION	2008	WHITE	22
	05-UP TCM DAMAGE AFTER REMOVAL	2014	RED	22
	MODULE SWAPPING, 2010-UP, GLOBAL DIAGNOSTIC SYSTEM	2017	RED	74
	GM, BODY CONTROL MODULE DAMAGE, DUE TO GROUND LOSS	2017	RED	76
	AFTER REPROGRAMMING, SETS PROGRAMMING ERROR CODES	2018	RED	70
	ALL 4WD VEHICLES, VIBRATION WHEN ACCELERATING	2019	RED	72
	TC MP1625/26 AND MP1222/25/26 FAILURE TO TURN FRONT DRIVESHAFT	2019	RED	65
	C8 CORVETTE, FLUID LEAK FROM BELLHOUSING AREA	2024	RED	112
	6,8,19,10 SPEED TRANSMISSIONS HARSH ENGAGEMENTS WHEN COLD	2024	RED	123
	MP3023 TRANSFER CASE SETTING DTC C119E	2024	RED	124
	MP3023/24 LEAK BETWEEN TRANSFER CASE AND TRANSMISSION	2024	RED	129
	CORVETTE TREMEC TR9080 DCT "SERVICE TRANSMISSION MESSAGE"	2024	RED	137

## Hyundai

### TRANSMISSION

		YEAR	BOOK	PAGE
A4AF3/A4BF1/2	PRELIMINARY INFORMATION	2003	BLUE	103
	NO FORWARD IN "D" AFTER REBUILD, M1 AND REVERSE OK	2005	BLUE	39
	2-3 FLAIR, NO 4TH, NO LOCKUP	2007	BLUE	19
	"MIL" ON, NO DRINEABILITY ISSUES, SETTING FALSE SOLENOID CODES	2007	BLUE	26
A4CF2	STUCK IN FAILSAFE, SETTING TFT AND/OR SOLENOID CODES	2011	BLUE	4
	TRANSFER GEAR CAP SEAL LOCATION	2015	BLUE	4

## Hyundai

### TRANSMISSION

		YEAR	BOOK	PAGE
A6MF1/A6LF1/2	PRELIMINARY INFORMATION	2015	BLUE	40
	NO FORWARD ENGAGEMENT, AFTER REBUILD	2018	BLUE	52
	AFTER REBUILD, BINDS IN REVERSE AND NO 4TH GEAR	2020	BLUE	4
	SOLENOID COOLING SYSTEM PIPE LOCATION	2022	BLUE	71
	NO MOVEMENT AFTER VALVE BODY REPLACEMENT	2022	BLUE	85
	ENGINE OIL LEAK 3.5L AT BELLHOUSING AREA	2022	BLUE	92
	NO FORWARD MOVEMENT	2023	BLUE	8
A8LR1/A8TR1	PRELIMINARY INFORMATION	2017	BLUE	28
	CREAK OR POPPING NOISE ON "TAKE OFF"	2021	BLUE	15
	HARSH 2-3 AND 3-4 SHIFT AND/OR HARSH 5-4 DOWNSHIFT	2023	BLUE	14
D7UF1(DCT)	NO REVERSE, SETTING CODE P1807	2022	BLUE	73
F4A41/42/51	ERRATIC SHIFTS, 3RD GEAR FAILSAFE, SOLENOID ELECTRICAL CODES	2004	BLUE	20
	NEUTRAL CONDITION AT LOW SPEED, AFTER TCM OR TRANS REPLACEMENT	2004	BLUE	33
	VALVE BODY EXPLODED VIEWS AND COMPONENT ID	2005	BLUE	33
	NO MOVE CONDITION	2006	BLUE	12
	NEUTRALIZING AT 6 MPH OR ON A 2-1 DOWNSHIFT	2007	BLUE	8
	SHUDDER OR SLIP IN REVERSE	2007	BLUE	11
	SETTING CODE P1723 OR STUCK IN LIMP MODE WITH NO CODE	2007	BLUE	13
	2-3 FLAIR, NO 4TH, NO LOCKUP	2007	BLUE	19
	SHUDDER DURING DRIVE ENGAGEMENT	2012	BLUE	24
	PRE-07, 07-UP SOLENOID CONTROL DIFFERENCES	2012	BLUE	27
	SETTING CODE PO500, AFTER RIGHT SIDE AXLE REPLACEMENT	2014	BLUE	80
	AFTER REBUILD, DELAYED FORWARD/REVERSE ENGAGEMENT	2015	BLUE	6
F5A51/A5GF1/ A5HF1	SLIPS IN 3RD, 4TH, AND 5TH, MAY SET PO733,734,735	2013	BLUE	79
	AFTER REBUILD, PREMATURE REVERSE CLUTCH FAILURE	2023	BLUE	12
	DRY CLUTCH ASSEMBLY REPLACEMENT PROCEDURE	2022	BLUE	76

## Izuzu

### TRANSMISSION

		YEAR	BOOK	PAGE
4L30E	SYSTEM VOLTAGE PROBLEMS, SETTING CODE 43	2000	BLUE	99
	REPEATED OVERHEATING,LACK OF POWER,SLIPPING	2000	BLUE	106
	SLIPPING OR NO 2ND GEAR	2001	BLUE	40
	NO 4TH, FAILSAFE, GEAR RATIO CODES SET	2003	BLUE	31
	WRONG GEAR STARTS,ERRATIC SHIFTS AFTER REBUILD	2003	RED	96
	SETTING CODES 32 AND 65 AFTER R&R OF TRANS	2003	RED	104
	90 TO 93 MODELS SETTING CODE 43	2003	RED	106
	BIND ON TAKE OFF OR BIND ON 2-3 SHIFT BEFORE OR AFTER REBUILD	2004	BLUE	15
	4TH GEAR STARTS, HARSH 3RD, OR HARSH DOWNSHIFTS	2004	BLUE	18
	P1870, TCC SHUDDER	2005	BLUE	22
	SETTING CODE 37, GOING TO LIMP-MODE	2006	BLUE	37
	AFTER FLUID SERVICE, SETTING SOLENOID CODES IN FAILSAFE	2007	BLUE	51
	PARTIAL ENGINE STALL, TORQUE CONVERTER FAILURE	2007	BLUE	54
	INADEQUATE LINE RISE	2008	BLUE	5
	200 AND LATER NO REVERSE AND BINDS IN 2ND	2008	BLUE	7
	AFTER REBUILD, INTERNAL ELECTRICAL CODES SETTING	2008	BLUE	11
	NO UPSHIFT, STUCK IN 1ST, NO CODES SET	2009	BLUE	78



## Izuzu

TRANSMISSION		YEAR	BOOK	PAGE
JR403E	INSTRUMENT CLUSTER WARNING LAMPS REMAIN "ON"	2007	WHITE	85
	NO ENGINE BRAKING, NO CRANK OR HARD START	2007	WHITE	88
	REAR LUBE FAILURE, AFTER AUXILIARY FILTER CHANGE	2011	WHITE	55
NPR/TILTMASER	CODE RETRIEVAL PROCEDURES	2001	BLUE	42
	EXHAUST BRAKE OPERATION,HIGH LINE PRESSURE,TRANS FAILURE	2001	BLUE	55
	INHIBITOR SWITCH OPERATION,ADJUSTMENT	2001	BLUE	57
	SPEED SENSORS OPERATION AND CHECK PROCEDURES	2001	BLUE	61
	2000 AND LATER CODE RETRIEVAL PROCEDURE	2004	WHITE	76
	TPS RELEARN PROCEDURE	2005	WHITE	88
	SHIFT ADAPT MANUAL RELEARN	2010	WHITE	36

## Jaguar

TRANSMISSION		YEAR	BOOK	PAGE
JF506A	2-3 FLAIR OR SLIPS 3RD, 4TH, OR 5TH	2005	BLUE	29
	SOLENOID CODES IDENTIFICATIONS	2009	BLUE	83
ZF5HP24	NEUTRALS COMING TO A STOP, CHATTER ON TAKE-OFF WHEN "HOT"	2009	BLUE	69
	NO MOVEMENT OR SLIPS IN FORWARD, REVERSE OK	2010	BLUE	48
	POOR 3-4 SHIFT, ERRATIC OPERATION, MAY SET P1722	2013	BLUE	22
ZF6HP26	SLIPPING, NEUTRAL 1-2 SHIFT, SETTING CODE PO302	2021	BLUE	26

## Kia

TRANSMISSION		YEAR	BOOK	PAGE
A5HF1/F5A51	06-UP NO FORWARD OR UNDERDRIVE CLUTCH FAILURE	2014	BLUE	81
	NO FORWARD ENGAGEMENT, AFTER REBUILD	2018	BLUE	45
	AFTER REBUILD, BINDS IN REVERSE AND NO 4TH GEAR	2020	BLUE	4
A5SR2	STUCK IN 4TH FAILSAFE, SETTING RATIO CODES AND PO763	2017	BLUE	56
	HESITATES, LACKS ACCELERATION, SHIFT DELAYS	2017	BLUE	59
A6MF1	PRELIMINARY INFORMATION	2015	BLUE	40
	SETTING CODES PO748, PO753, AND/OR P2709	2018	BLUE	45
	ENGINE STALLS IN DRIVE(HYBRID MODELS)	2020	BLUE	6
	SEVERE "BIND-UP" ON 3-4 SHIFT	2021	BLUE	34
	LIMP MODE, SETTING CODE PO748	2021	BLUE	41
A8LR1/A8TR1	PRELIMINARY INFORMATION	2017	BLUE	28
	HARSH REVERSE, 2-3 AND 4-5 HARSH, NEUTRALIZING, SETS PO841	2019	BLUE	12
F4E-III	HARSH 1-2 SHIFT AND/OR SOLENOID CIRCUIT FAULTS	2006	BLUE	45
MISC	4WD Coupling Leaks and Bearing Failure	2021	BLUE	30

## Land Rover

TRANSMISSION		YEAR	BOOK	PAGE
JF506E	2-3 FLAIR, OR SLIPS 3RD, 4TH, OR 5TH	2005	BLUE	29
	NO REVERSE, SLIPS IN FORWARD	2006	BLUE	40
	SOLENOID CODES IDENTIFICATION	2009	BLUE	83
ZF5HP24	LATE SHIFTS, OR NEUTRALIZING WHILE DRIVING	2009	BLUE	72
ZF6HP26	GEAR SHIFT LEVER HARD TO MOVE, SETTING CODE PO850	2013	BLUE	66
	TRANSMISSION OIL FILTER SERVICE	2016	BLUE	62
	ERRATIC SHIFTING, WRONG GEAR STARTS	2017	BLUE	60
	WILL NOT SHIFT OUT OF 1ST GEAR, SETTING PO504	2021	BLUE	65
	"NO START" AFTER REBUILD	2021	BLUE	28
ZF8HP70	FLUID LEAK BETWEEN TRANSMISSION AND TRANSFER CASE	2022	BLUE	22
	NO ENGAGEMENTS	2024	BLUE	34
ZF9HP48	STUCK IN PARK	2019	BLUE	8

## Mazda

TRANSMISSION		YEAR	BOOK	PAGE
AW6A-EL(TF80/81SC)	2-3 UPSHIFT FLARE	2014	BLUE	88
	VALVE BODY IDENTIFICATION	2016	WHITE	10
	AFTER REBUILD, SLIP REVERSE, TCC CHATTER	2016	WHITE	22
	NO HIGHER RANGE UPSHIFT AFTER HEAVY THROTTLE	2017	BLUE	74
	STUCK IN HIGH GEAR FAILSAFE, SETTING CODE PO328	2017	BLUE	76
CD4E	PERSISTENT RATIO ERRORS OR TCC SLIP CODES	2001	RED	4
	FRONT SEAL BLOW OUT OR CONSTANT LEAK	2001	RED	6
	ERRATIC BEHAVIOR WITH OR WITHOUT CODES	2003	WHITE	103
	01-UP AFTER REBUILD, SETTING RATIO CODES	2010	WHITE	84
GF4A-EL	SETTING DIAGNOSTIC CODE 6,25,55	2000	BLUE	80
	SETTING DIAGNOSTIC CODE 6,	2000	BLUE	82
	PREMATURE, REPEAT COAST CLUTCH FAILURE	2000	BLUE	83
	LOSES REVERSE WHEN BACKING UP	2000	BLUE	84
	HARSH UPSHIFTS	2001	BLUE	8
	HARSH UPSHIFTS	2001	BLUE	12
	NO 4TH AFTER OVERHAUL	2001	BLUE	67
FN4A-EL	SETTING CODE PO741 BEFORE OR AFTER REBUILD	2004	WHITE	103
	DELAYED IN DRIVE, PREMATURE FORWARD CLUTCH FAILURE	2004	WHITE	107
	REVERSE CLUTCH PISTON USAGE	2004	WHITE	111
	ERRATIC, NEUTRALIZING UPSHIFTS, WRONG GEAR STARTS AFTER REBUILD	2004	WHITE	112
	PO750, PO751, NEUTRALIZING OR NO 4TH GEAR	2004	WHITE	115
	1-2 FLARE AND 3-4 NEUTRAL	2007	RED	29
	AFTER REBUILD, DELAYED ENGAGEMENTS AND/OR LOW PRESSURE	2009	RED	5
	NEUTRALS ON THE 3-4 SHIFT	2011	WHITE	100
	AFTER REBUILD, INTERMITTENT PO721 SETS	2012	RED	102
	AFTER REBUILD, NEUTRALS ON 2-3 SHIFT	2019	WHITE	7
	AFTER REBUILD, SLIPS IN 2ND AND 3RD GEARS	2019	WHITE	11

## Mazda (Cont.)

TRANSMISSION		YEAR	BOOK	PAGE
FS5A-EL/FNR5	PRELIMINARY INFORMATION	2009	RED	11
	HARSH UPSHIFTS AND/OR DOWNSHIFTS	2011	WHITE	107
	SHORT 3-4 BIND UP SHIFT	2011	WHITE	113
	SECONDARY VALVE BODY VARIATIONS	2012	WHITE	4
	SETTING PO771 SOLENOID "E" PERFORMANCE CODE	2014	WHITE	32
	1-2 FLARE OR SLIDE BUMP AFTER REBUILD	2014	WHITE	35
	08-2013 SETTING SOLENOID ELECTRICAL CODE PO753, OR PO758	2019	BLUE	50
	NO REVERSE, 2ND OR 4TH GEARS, SETS PO732,PO734 AND PO757	2019	WHITE	13
FW6A-EL/SKYACTIV	PRELIMINARY INFORMATION	2019	BLUE	53
	SETS RANDOM PRESSURE SWITCH CODES AND/OR PO780,P1738	2020	BLUE	24
JA5A-EL	2-3 FLAIR, OR SLIPS 3RD, 4TH, 5TH	2005	BLUE	29
	HARSH SHIFTS, OD LIGHT FLAHING, NO DTC'S SET	2008	BLUE	40
	SOLENOID CODES IDENTIFICATIONS	2009	BLUE	83
N4AEL	SOFT OR FLAIED SHIFTS	2000	BLUE	89
R4A-EL	TURBINE SPEED SENSOR CONNECTOR CONFIGURATION	2003	BLUE	94
RA4AEL	NO 4TH OR CYCLING 3-4 SHIFT	2000	BLUE	86
RC4A-EL	REBUILD INFORMATION, ANTI-RATTLE AND TENSION SPRING LOCATIONS	2013	BLUE	83

## Mercedes

TRANSMISSION		YEAR	BOOK	PAGE
722.3/722.4/722.5	LOWER VB ID WITH AND WITHOUT REAR PUMP	2001	BLUE	69
	REAR PUMP ELIMINATION KIT	2001	BLUE	72
	REVERSE CONCERNS	2001	BLUE	73
722.6 -W5A580	PRELIMINARY INFORMATION	2002	BLUE	6
	ERRATIC FAILSAFE, SETTING SOLENOID OR TSS CODES	2002	BLUE	28
	LATE SHIFTS	2002	BLUE	35
	VARIETY OF SHIFT AND/OR TCC COMPLAINTS	2006	BLUE	74
	K3 HUB AND REAR SUN GEAR ASSEMBLY ISSUES	2006	BLUE	78
	SHIFT GROUPS, PRINCIPLES OF OPERATION	2006	BLUE	81
	AFTER REBUILD SETTING GEAR RATIO CODES	2007	BLUE	82
	SETTING INTERMITTENT SPEED SENSOR OR SOLENOID CODES	2008	BLUE	41
	04-UP, SETTING SOLENOID CIRCUIT FAULTS, CASE CONNECTOR LEAKS	2010	RED	53
	AFTER REBUILD, BOGS DOWN IN 3RD GEAR, MAY ALSO SLIP	2010	RED	109
	TCC JUDDER, VIBRATION	2011	RED	104
	B2 CLUTCH ASSEMBLY INSTALL PROCEDURE	2016	BLUE	66
	FAILSAFE, SETTING CODES 51 AND 147, MAY ALSO SET P1831	2017	BLUE	77
	"BUZZING NOISE" FROM FRONT OF TRANSMISSION	2022	BLUE	19
	TCC SLIP, SETTING DTC PO741	2024	BLUE	46
722.9	PRELIMINARY INFORMATION	2011	BLUE	8
	INTERMITTENT NO 1ST OR REVERSE	2012	BLUE	52
	CHECK BALL FUNCTION AND LOCATIONS	2012	BLUE	55
	TRANSMISSION BOLT TORQUE SPECS	2013	BLUE	88
	TRANSFER CASE BEARING NOISE	2014	BLUE	92

## Mercedes (Cont.)

TRANSMISSION		YEAR	BOOK	PAGE
722.9	ERRATIC SHIFT CONCERNS "WHEN HOT"	2015	BLUE	118
	AFTER REBUILD, HARSH ENGAGEMENTS AND SHIFTS	2015	BLUE	122
	B2 CLUTCH ASSEMBLY INSTALL PROCEDURE	2016	BLUE	66
	2010-UP GENERATION 6 NEW DESIGN VALVE BODY	2016	BLUE	70
	SETTING ISS CODES, SPEED SENSOR REPLACEMENT	2018	BLUE	80
	NOISE COMING FROM THE 4-MATIC GEAR CASE	2019	BLUE	4
	CONVERTER SHUDDER AND/OR NOISE COMING FROM PUMP AREA	2020	BLUE	72
	NO FORWARD MOVEMENT AFTER REBUILD	2021	BLUE	44
	"WHEEL HOP" WHEN TURNING CORNERS	2022	BLUE	16
	NO MOVEMENT	2024	BLUE	38
	BINDING AROUND CORNERS	2024	BLUE	49
7G-DCT/724.0	PRELIMINARY INFORMATION	2020	BLUE	96
9G-TRONIC/725.011	PRELIMINARY INFORMATION	2020	BLUE	76
	NO REVERSE, SETTING DTC PO73E	2024	BLUE	43

## Mini Cooper

TRANSMISSION		YEAR	BOOK	PAGE
ZFVT1F	PRELIMINARY INFORMATION	2018	BLUE	18
	AFTER REBUILD, STUCK IN LOW GEAR	2018	BLUE	30
	ERRATIC SHIFT COMPLAINTS	2018	BLUE	34

## Mitsubishi

TRANSMISSION		YEAR	BOOK	PAGE
DUONIC-DSG	SYSTEM INITIALIZATION, AFTER ANY REPAIRS OR REPLACEMENT	2020	RED	102
	CODE RETRIEVAL PROCEDURE	2021	RED	101
F1C1A/F1CJA(CVT)	SOLENOID RESISTANCE CHECKS AND VB INFORMATION	2012	WHITE	110
	AFTER REBUILD, SECONDARY SPEED SENSOR CODES SET PO721,722	2013	WHITE	105
	DELAYED ENGAGEMENTS, SLIPPING SENSATION	2014	BLUE	90
	AFTER REBUILD, NO FORWARD MOVEMENT	2018	WHITE	71
F1CJB(CVT)	PRELIMINARY INFORMATION	2016	WHITE	84
F1CJC/W1JCJ(CVT)	PRELIMINARY INFORMATION	2017	BLUE	81
F4A41/42/51	BENCH CHECKS FOR SOLNOIDS AND SENSORS	2003	BLUE	106
	L/R, 2ND BRAKE ASSEMBLY PROCEDURE INFORMATION	2004	BLUE	29
	NEUTRAL CONDITION AT LOW SPEED, AFTER TCM OR TRANS REPLACEMENT	2004	BLUE	33
	SHUDDERING ENGAGEMENTS OR HARSH SHIFTS AFTER REBUILD	2004	BLUE	40
	BEFORE OR AFTER REBUILD, HARSH OR FLAIRED 3RD GEAR UPSHIFT	2004	BLUE	42
	VALE BODY EXPLODED VIEWS AND COMPONENT ID	2005	BLUE	33
	NO MOVE CONDITION	2006	BLUE	12
	ERRATIC SHIFTS AND/OR GEAR RATIO CODES SET	2006	BLUE	19
	HARSH DRIVE ENGAGEMENT AND/OR HARSH OR FLAIRED 2-3 SHIFT	2006	BLUE	24
	2000 MODEL YEAR, MAY HAVE NEW DESIGN PLASTIC BODY SOLENOIDS	2007	BLUE	5
	NEUTRALIZING AT 6 MPH OR ON A 2-1 DOWNSHIFT	2007	BLUE	8
	SHUDDER OR SLIP IN REVERSE	2007	BLUE	11

## Mitsubishi (Cont.)

TRANSMISSION		YEAR	BOOK	PAGE
F4A41/42/51	SETTING CODE 54 OR STUCK IN LIMPMODE	2007	BLUE	13
	AFTER REBUILD COMES BACK SETTING PO732	2008	BLUE	44
	NO FORWARD MOVEMENT WITH HEADLAMPS ON ONLY	2008	BLUE	47
	HARSH 3RD AND HARSH DOWNSHIFTS, AFTER REBUILD	2009	BLUE	87
	AFTER REBUILD, SETTING GEAR RATIO CODES	2009	BLUE	89
	HARSH OR FLARED 2-3/3-2 AND/OR GEAR RATIO ERRORS	2012	BLUE	19
	SHUDDER DURING DRIVE ENGAGEMENT	2012	BLUE	22
	SOLENOID CONTROL DIFFERENCES	2012	BLUE	25
	AFTER REBUILD, DELAYED FORWARD/REVERSE ENGAGEMENT	2014	BLUE	6
F5A51	NO FORWARD ENGAGEMENT, AFTER REBUILD	2018	BLUE	52
F6AJA/W6AJA	VALVE BODY AND SOLENOID INFORMATION	2018	BLUE	68
KM 174/75/77	BIND UP 1-2 SHIFT	2000	BLUE	90
	PREMATURE PLANET FAILURE AFTER OVERHAUL	2000	BLUE	92
	STUCK IN 3RD GEAR, NO COMMUNICATION	2001	BLUE	79
	ELECTRICAL SYSTEM ELEMENTS, PROPER DIAGNOSTICS	2001	BLUE	85
	NO REVERSE FROM PARK OR NEUTRAL, GOOD REVERSE FROM DRIVE	2002	BLUE	119
MITSU FUSO	2000 AND LATER CODE RETRIEVAL PROCEDURE	2004	WHITE	76
	MANUAL CODE RETRIEVAL	2011	WHITE	58
	05-2010 MEMORY RESET PROCEDURE	2014	RED	67
R4A51/V4A51	POOR SHIFT QUALITY, 2-3 FLAIR	2007	BLUE	23
W6DGA/6DCT470	HARSH ENGAGEMENT, OR SHUDDERS ON THE SHIFT	2018	BLUE	54
	RANDOM SHIFT ISSUES, MAY SET PERFORMANCE CODES	2018	BLUE	57
	GENERATION 1 AND 2 VALVE BODY AND SOLENOID ID	2018	BLUE	60
	SUDDEN NO MOVE CONDITION	2018	BLUE	66
	GEAR NOISE AFTER COLD ENGINE START	2018	BLUE	67

## Nissan/Infiniti

TRANSMISSION		YEAR	BOOK	PAGE
RE-RL4FO2A	SOFT 1-2 UPSHIFT	2000	BLUE	96
RE4FO3B	HESITATION ON ACCELERATION, SETTING CODE PO705	2022	BLUE	53
RE4FO4A	SLIPPING OR NO 2ND GEAR	2001	BLUE	89
	3-2 SHIFT CONCERNS	2004	BLUE	47
	HARSH SHIFTING, SETTING PO745	2005	BLUE	10
	SLIGHTLY DELAYED 1-2 UPSHIFT AND QUICK OVERSPEED DURING 2-3 SHIFT	2008	BLUE	49
RE4FO4B	AFTER REBUILD, STALLS ENGINE IN GEAR FROM TAKE-OFF	2010	BLUE	56
	AFTER REBUILD, NO UPSHIFT SETS PO720	2010	BLUE	58
	AFTER REBUILD, NO TSS READING	2011	BLUE	42
RE4RO1A	PARTS INTERCHANGEABILITY	2005	BLUE	5
	SLIGHTLY DELAYED 1-2 UPSHIFT AND QUICK OVERSPEED DURING 2-3 SHIFT	2008	BLUE	49
RL4FO3A/V	WONT UPSHIFT WHEN WARM	2003	BLUE	109



## Nissan/Infinity (Cont.)

TRANSMISSION		YEAR	BOOK	PAGE
RE5F22A	PRELIMINARY INFORMATION	2005	BLUE	91
	VALVE BODY AND SOLENOID ID FOR SERVICE	2009	BLUE	115
	AFTER REBUILD OR VB REPLACEMENT, HARSH DOWNSHIFT ON THROTTLE UP	2010	BLUE	69
	BUSHINGS AND/OR CASE FAILURE	2010	BLUE	118
	IN FAILSAFE, SETTING CODE PO726	2011	BLUE	50
	AFTER REBUILD, 2-3 AND/OR 4-3 FLARE	2013	BLUE	113
	AFTER REBUILD, HARSH REVERSE ENGAGEMENT	2013	BLUE	116
RE5RO5A	VALVE BODY IDENTIFICATION	2008	BLUE	52
	UPSHIFT COMPLAINTS, PO720 IS SETTING	2008	BLUE	66
	AFTER REBUILD, STUCK IN 4TH GEAR, NO TCM COMMUNICATION	2009	BLUE	92
	04-UP, TCC SHUDDER AND/OR SETTING SOLENOID, PRESSURE SW CODES	2010	BLUE	66
	AFTER TRANS REPLACED, SETTING RATIO AND/OR TCM INCOMPATIBILITY	2011	BLUE	52
	TURBINE SHAFT, PUMP STATOR, TORQUE CONVERTER COMPATIBILITY	2011	BLUE	60
	2ND AND 3RD DESIGN VALVE BODY COMPARISON	2011	BLUE	63
	SOLENOID RUBBER GASKET LOCATION	2011	BLUE	76
	04 ONLY, SETTING CODE P1774, MAY ALSO SET P1730, P1731	2011	BLUE	78
	STUCK IN 1ST GEAR	2012	BLUE	61
	1-2 SHIFT SHUDDER	2012	BLUE	63
	FLARED 3-4 UPSHIFT, NO 5TH GEAR	2012	BLUE	71
	AFTER REBUILD, PREMATURE CONVERTER CLUTCH FAILURE	2015	BLUE	146
	NO START, TRANSMISSION GLYCOL CONTAMINATION	2016	BLUE	80
	NO MOVEMENT, BEFORE OR AFTER REBUILD	2016	BLUE	82
	2010-UP 4TH DESIGN VALVE BODY COMPARISON	2016	BLUE	85
	SLIPPING IN 4TH & 5TH GEARS	2019	BLUE	68
	AFTER REBUILD, NO START AND NO COMMUNICATION	2023	BLUE	67
	2011 GEARING ELIMINATED AT CENTER SUPPORT	2024	BLUE	59
	SETTING DTC P1757	2024	BLUE	61
RE6F01A	VALVE BODY AND SOLENOID INFORMATION	2018	BLUE	68
RE6RO1A(A466ND)	PRELIMINARY INFORMATION	2022	BLUE	44
RE7RO1A/JR710E	PRELIMINARY INFORMATION	2019	BLUE	71
	SETTING CODE C1204 AND C1105	2021	BLUE	18
	SETTING CODE PO720	2021	BLUE	22
	SUDDEN NO REVERSE ENGAGEMENT	2021	BLUE	24
REOF09A/B(CVT)	PRELIMINARY INFORMATION	2005	RED	99
	LOW VEHICLE POWER, FAILURE TO ACCELERATE	2015	BLUE	144
	INCORRECT SECONDARY PULLEY ASSEMBLY	2021	BLUE	48
	SETTING CODE PO841	2022	BLUE	57
	NO THROTTLE RESPONSE	2024	BLUE	51
REOF10A(CVT)	SOLENOID RESISTANCE CHECKS AND VB INFORMATION	2012	WHITE	110
	AFTER REBUILD, SETTING CODES PO721, PO722	2013	WHITE	105
	DELAYED ENGAGEMENTS, SLIPPING SENSATION	2014	BLUE	90
	AFTER REBUILD, NO FORWARD MOVEMENT	2018	WHITE	71
	POOR ENGINE PERFORMANCE, SETS CODES PO744, PO703, PO725	2019	BLUE	66
	NO FIRST GEAR OR THROTTLE RESPONSE	2024	BLUE	54

## Nissan/Infiniti (Cont.)

TRANSMISSION		YEAR	BOOK	PAGE
REOF10D/E	PRELIMINARY INFORMATION	2017	BLUE	81
	AFTER TRANSMISSION REPLACEMENT, NO START "NO KEY DETECTED"	2022	BLUE	59
REOF11A(JF015E)	PRELIMINARY INFORMATION	2016	WHITE	84
	LOSE OF POWER ON INITIAL "TAKE OFF"	2018	BLUE	84
	FLARES ON 1-2 UPSHIFT AND 2-1 DOWNSHIFT	2020	BLUE	26
	SETTING CODES PO715 AND/OR P2765	2020	BLUE	32
	SETTING CODE 2765, ISS CIRCUIT ISSUE	2021	BLUE	50
	AFTER REBUILD, SETTING CODE PO744	2022	BLUE	55
	AFTER REBUILD, NO REVERSE ENGAGEMENT	2023	BLUE	56
	FLARES ON THE 1-2 UPSHIFT	2023	BLUE	61
	ERRATIC RATIO CONTROL, SETTING CODE PO744	2023	BLUE	64
	NO ENGAGEMENTS AFTER REBUILD	2024	BLUE	56
REOFO3H(JF019E)	PRELIMINARY INFORMATION	2022	BLUE	26
MISC	SETTING CODE P1605 DIAG CAN LINE FAILURE	2004	BLUE	50

## Subaru

TRANSMISSION		YEAR	BOOK	PAGE
4EAT	AWD O.E TRANSFER CLUTCH KITS	2002	BLUE	58
	DELAYED OR NO FORWARD ENGAGEMENT	2004	BLUE	58
	99 and UP PHASE II PRELIMINARY INFORMATION	2007	BLUE	59
	MULTIPLE SOLENOID CODES WITH ERRATIC OPERATION	2007	BLUE	78
	PHASEII ONLY, NO REVERSE, AFTER REBUILD	2008	BLUE	69
	SETTING CODE PO741, TCC SLIP	2010	BLUE	79
	04 AND UP PHASE II, VERSION II CONTROL SYSTEM AND VB CHANGES	2011	BLUE	79
	04 AND UP, AFTER REBUILD 2-3 FLARE, AND/OR HARSH DOWNSHIFTS	2011	BLUE	93
	AWD BIND-UP ON TURNS	2012	BLUE	80
	04-09 PHASE II, VERSION II AWD, BIND-UP ON TURNS	2014	BLUE	131
	PHASE II, VERSION II CONTROL AND VALVE BODY CHANGES	2017	BLUE	119
5AT(TG5D9)	VALVE BODY ASSEMBLY IDENTIFICATION	2016	BLUE	89
5EAT	SETTING CODE PO720	2019	BLUE	112
	TURBINE SPEED SENSOR DAMAGE, AFTER TRANSMISSION REMOVAL	2019	BLUE	116
	REMOVING THE PUMP SHAFT CIRCLIP	2019	BLUE	118
TR580(CVT)	PRELIMINARY INFORMATION	2017	BLUE	102
	HARSH 2-3 UPSHIFT, INTERMITTENT HARSH TAKE-OFF	2019	BLUE	110
	SQUEAKING NOISE WHILE CRANKING, TORQUE CONVERTER CHANGE	2021	BLUE	54
	FLUID SERVICE PLUG CHANGE, MID 2015 AND UP	2022	BLUE	94
	SETTING RANDOM SPEED SENSOR CODES, P2747 AND P2751	2022	BLUE	96
	SETTING CODES P2764 AND/OR P2770, WHEN WARM	2022	BLUE	99
	TRANSMISSION FLUID SEEPAGE	2024	BLUE	67
TR690(CVT)	PRELIMINARY INFORMATION	2014	BLUE	98
	TRANSMISSION FLUID SEEPAGE	2024	BLUE	67
MISC	CVT Squeak Noise while Cranking. Updated Torque Converter	2021	BLUE	54

## Suzuki

### TRANSMISSION

TRANSMISSION		YEAR	BOOK	PAGE
ZF4HP16/20	PRELIMINARY INFORMATION	2014	BLUE	4
	SETTING PO705, INTERMITTENT FAILSAFE	2014	BLUE	28

## Toyota/Lexus

### TRANSMISSION

TRANSMISSION		YEAR	BOOK	PAGE
A240	NO MOVEMENT	2001	BLUE	103
	REPEATED SETTING TROUBLE CODE PO770	2010	BLUE	82
A245/246E	05-07 SETTING P2716, HARSH SHIFTS	2009	BLUE	107
	AFTER REBUILD, HARSH FORWARD ENGAGEMENT	2010	BLUE	84
	VALVE BODY IDENTIFICATION	2015	BLUE	8
	ERRATIC SHIFTING, SETTING CODE B2799 HARSH TCC RELEASE	2023	BLUE	70
A340E/A341E	VALVE BODY IDENTIFICATION	2002	BLUE	62
	TRANSMISSION FLUID OVERHEATS	2003	BLUE	114
	2000 AND LATER CHECK BALL LOCATIONS	2004	BLUE	61
	REPEATED SETTING TROUBLE CODE PO770	2007	BLUE	34
		2010	BLUE	82
A540E/541E	NO REVERSE			
	NO REVERSE, NO ENGINE BRAKING	2002	BLUE	64
	REPEATED SETTING TROUBLE CODE PO770	2007	BLUE	28
	BEFORE OR AFTER REBUILD, CHUGS COMING TO A STOP	2010	BLUE	82
		2011	BLUE	99
A750E/F	SETTING TEMP SENSOR CODE P2742	2012	BLUE	120
	SETTING MULTIPLE SOLENOID CIRCUIT FAULTS	2013	BLUE	90
	TCC SHUDDER BETWEEN 32 AND 42 MPH	2013	BLUE	96
	DIAGNOSING PERFORMANCE CODES	2014	BLUE	138
	SETTING CODE P2757, TCC STUCK OFF	2021	BLUE	55
	AFTER REBUILD, HARSH 2-3 SHIFT AND FIRM REVERSE	2021	BLUE	62
	SHUDDERS AT 30-40MPH	2023	BLUE	76
A761E	PRELIMINARY INFORMATION	2006	BLUE	48
	DIAGNOSING PERFORMANCE CODES	2014	BLUE	138
	VALVE BODY COMPARISON WITH THE AB60	2016	BLUE	97
	NEUTRALS ON THE 5-6 SHIFT AFTER REBUILD	2024	BLUE	75
A960E	PRELIMINARY INFORMATION	2015	BLUE	65
AA80E/F(TL-80SN)	PRELIMINARY INFORMATION	2015	BLUE	126
	SOLENOID IDENTIFICATION	2016	BLUE	115
AB60E/F	DIAGNOSING PERFORMANCE CODES	2014	BLUE	138
	VALVE BODY COMPARISON WITH THE A761E	2016	BLUE	97
	VARIOUS SHIFT COMPLAINTS	2018	BLUE	117
	SETTING CODE P2714, MAY SET OTHER SOLENOID CODES AS WELL	2018	BLUE	125
	TCC SHUDDER	2018	BLUE	127
	AFTER REBUILD, HARSH 2-3 SHIFT, MAY HAVE HARSH 4-5 AND REVERSE	2021	BLUE	64
	AFTER REBUILD, TCC APPLYS ON TOP OF THE 1-2 SHIFT	2021	BLUE	66
	"NO MOVEMENT" AFTER TRANSMISSION REMOVAL, DAMAGED CONVERTER	2022	BLUE	100

## Toyota/Lexus (Cont.)

TRANSMISSION		YEAR	BOOK	PAGE
AB60E/F	3RD GEAR STARTS AFTER REBUILD	2024	BLUE	78
	SLIPPING OR NO FORWARD AFTER REBUILD	2024	BLUE	81
K313(CVT)	SETTING CODE P2757 TCC PCS PERFORMANCE FAULT	2018	BLUE	91
	LEAKING FROM THE FRONT SEAL, SHOWS OVERHEATING CONDITION	2019	BLUE	28
U140-240	REPEATED DIRECT CLUTCH FAILURE	2007	BLUE	31
	VALVE BODY REPAIR INFORMATION	2008	BLUE	75
	NO 4TH GEAR, SETTING ENGINE DTC'S	2009	BLUE	97
	ENGAGEMENT ISSUES IN REVERSE AND/OR 4TH GEAR	2009	BLUE	99
	AFTER VB REPLACEMENT, ENGAGEMENT CONCERNS	2010	BLUE	87
	01 TO 03 RAV4'S, 2-3 BIND UP, HARSH SHIFTS	2011	BLUE	94
	FLARED 2-3 UPSHIFT, DELAYED REVERSE, SLIGHT BIND IN REVERSE	2012	BLUE	86
	2-3 OR 3-4 FLARE OR HARSH SHIFTS	2014	BLUE	153
	SUDDEN LOSS OF REVERSE, MA SET CODE PO750	2020	BLUE	37
	NO MOVEMENT AFTER VALVE BODY REPLACEMENT	2021	BLUE	67
U150/250	SLIPPING UPSHIFTS, PREMATURE TRANSMISSION FAILURE	2008	BLUE	72
	05-07 HARSH 5-4 DOWNSHIFT	2010	BLUE	89
	PRELIMINARY INFORMATION	2010	BLUE	91
	BEFORE OR AFTER, VARIOUS SHIFT COMPLAINTS	2011	BLUE	96
	BEFORE OR AFTER REBUILD, 5-4 DOWNSHIFT CLUNK	2014	BLUE	149
	2-3 OR 3-4 FLARE OR HARSH SHIFTS	2014	BLUE	153
	HARSH UP AND DOWNSHIFTS	2015	BLUE	36
	BIND UP WITH HIGH GEAR STARTS, MAY SET PERFORMANCE CODES	2016	BLUE	117
U340/341E/F	HARSH SHIFTS OR WRONG GEAR STARTS, MAY SET SOLENOID OR TFT CODES	2018	BLUE	102
	NO REVERSE, AFTER REBUILD	2008	BLUE	84
	SETTING CODE PO770	2008	BLUE	88
	PRELIMINARY INFORMATION	2018	BLUE	77
	SETTING CODE P2757 TCC PERFORMANCE	2018	BLUE	89
	09 COROLLA WITH 1.8L, SETTING CODE P2757	2019	BLUE	23
	SLIPPING OR NO ENGINE POWER, SETTING CODES PO504, PO575, PO60E	2021	BLUE	71
U660/U760	PRELIMINARY INFORMATION	2012	BLUE	90
	HARSH TCC APPLY, SETTING CODE P2757	2013	BLUE	103
	2012-UP TCM ELIMINATION	2014	BLUE	146
	AFTER REBUILD OR VB CHANGE, SHUDDER REVERSE, BIND-UP IN 1ST	2015	BLUE	108
	NO REVERSE AFTER REBUILD	2016	BLUE	111
	SETTING CHRONIC INPUT SPEED SENSOR CODES	2016	BLUE	115
	RANDOM DRIVEABILITY ISSUES (CENTER BEARING CASE DAMAGE)	2019	BLUE	25
	WILL NOT SHIFT PAST 4TH GEAR, SETS CODE PO318	2020	BLUE	35
	DELAYED DRIVE ENGAGEMENT, FLARES ON DOWNSHIFT IN 2ND,3RD,4TH	2020	BLUE	40
	WHINING NOISE FROM REAR OF TRANSMISSION	2020	BLUE	42
	SETTING PO872 AND PO877, AFTER TRANSMISSION REPLACEMENT	2020	BLUE	44
	AFTER REBUILD, NO REVERSE, 3RD OR 5TH GEARS	2021	BLUE	74
	HARSH SHIFTS, NO 5TH AND 6TH GEAR, SETTING CODE PO328	2022	BLUE	103
	LATE AND HARSH UPSHIFTS, SETTING CODE PO715	2023	BLUE	71
	NO COMMUNICATION WITH "TCM", SETTING CODE UO101	2023	BLUE	74
	HARSH SHIFTS AFTER SOLENOID OR VALVEBODY REPLACEMENT	2024	BLUE	82
	LATE SHIFTS AND SETTING CODES PO716 AND PO793	2024	BLUE	85

## Toyota/Lexus (Cont.)

TRANSMISSION		YEAR	BOOK	PAGE
U880E/F	PRELIMINARY INFORMATION	2017	BLUE	62
UB80E	PRELIMINARY INFORMATION	2024	BLUE	88
PRIUS/HYBRID	THEORY OF OPERATION	2011	RED	7
	GENERAL INFORMATION	2011	RED	16
	GENERATION 1, P111 TRANSAXLE INFORMATION	2011	RED	20
	GENERATION 2, P112 TRANSAXLE INFORMATION	2011	RED	25
	ELECTRICAL DIAGNOSTICS	2011	RED	33
	GENERATION 1, MISLEADING DTC'S	2016	RED	95
	GENERATION II, NO ENGINE START UP, SETS CODE POAOD, PO350	2016	RED	98
	04-09, SETTING CODE P3191 "FUEL RUN OUT", NO ENGINE START	2016	RED	102
MISC	SHIFT COMPLAINTS AFTER REBUILD OR REPLACEMENT	2005	BLUE	54
	ALL FWD TOYOTAS WITH 4,5,6 SPEEDS ERRATIC TRANSMISSION OPERATION	2019	BLUE	19
	TRANSFER CASE O-RING SEAL, MAY NOT HAVE ONE	2021	BLUE	69

## Volkswagon

TRANSMISSION		YEAR	BOOK	PAGE
01M/01N/01P	PRELIMINARY INFORMATION	2002	BLUE	70
	95-98 MODELS 2-3 NEUTRAL AFTER OVERHAUL/INSTALL	2002	BLUE	84
	96 TO 2000 OBD CODE DIFINITIONS	2003	BLUE	4
	MANUAL PROCEDURE FOR RETURN TO BASIC SETTINGS	2003	BLUE	22
	UNCONTROLLABLE HARSH 1-2 SHIFT	2003	BLUE	23
	NO 2ND, NO 4TH, OR NO FORWARD MOVEMENT	2003	BLUE	25
	NO FORWARD OR SLIPS FORWARD	2003	BLUE	30
	NOT AIR CHECKING CORRECTLY DURING REBUILD	2003	RED	116
	BIND-UPS, HARSH SHIFTS, FLAIED SHIFTS AFTER REBUILD	2004	RED	104
	98 AND UP VALVE BODY CHANGES	2005	BLUE	77
	MULTIPLE SOLENOID CIRCUIT CODES SETTING	2005	BLUE	89
	NEUTRALIZES IN TO 4TH GEAR OR WHILE IN 4TH GEAR 95-97 ONLY	2006	BLUE	91
	DELAYED DRIVE ENGAGEMENT WHEN COLD	2006	BLUE	95
	PARTIAL ENGINE STALL IN DRIVE OR REVERSE	2008	BLUE	97
	INTERMITTENT PO740, OR VAG CODE 01192	2008	BLUE	101
	3-4 UPSHIFT FLAIR	2008	BLUE	105
	AFTER REBUILD, BIND UP IN REVERSE AND 3-4 SHIFT	2010	BLUE	21
01V/ZF5HP19FL/FLA	NEUTRALS ON TAKE OFF	2006	BLUE	96
	AFTER REBUILD NO UPSHIFT OR MAKES 1-2 SHIFT THEN FAILSAFE	2006	BLUE	104
	NO REVERSE	2006	BLUE	114
	VALVE BODY SMALL PARTS ID	2013	BLUE	15
02E(DSG)	AFTER REBUILD, SHIFT SHUDDERS AND/OR SHIFT ERRORS	2010	BLUE	31
	SETTING SOLENOID ELECTRICAL CODES	2012	BLUE	132
	TRANSMISSION FLUID SERVICE INFORMATION	2012	BLUE	134
	SUDDEN NO MOVE CONDITION	2015	BLUE	140
	DOES NOT HOLD IN "PARK"	2015	BLUE	142
	DIAGNOSTIC PRE-CHECK LIST	2019	BLUE	122



## Volkswagon (Cont.)

TRANSMISSION		YEAR	BOOK	PAGE
02E(DSG)	INTERNAL CLUTCH OVERHEAT CONDITION	2019	BLUE	123
	OVERHEAT LIGHT IN CLUSTER, RANDOMLY ILLUMINATES	2019	BLUE	126
	RANDOM SHIFT ERRORS, MAY SET RATIO OR SOLENOID CODES	2019	BLUE	129
	HARSH ENGAGEMENT INTO 1ST GEAR	2019	BLUE	132
	SOLENOID IDENTIFICATION	2019	BLUE	134
	MECHATRONIC BEHAVIOR DURING A MALFUNCTION	2019	BLUE	136
	SHUDDER ON "TAKE OFF" OR NO MOVEMENT, SETTING CODE P17BF	2021	BLUE	81
09A/JF506E	2-3 FLAIR, OR SLIPS 3RD, 4TH, OR 5TH	2005	BLUE	29
	NO REVERSE, SLIPS IN FORWARD	2006	BLUE	40
	PLANETARY GEAR FAILURE, LACK OF LUBE AFTER REBUILD	2008	BLUE	92
	VALVE BUZZ AFTER REBUILD	2008	BLUE	94
	AFTER REBUILD, 2-3 FLAIR, HARSH 3-4	2009	BLUE	59
	SOLENOID CODES IDENTIFICATIONS	2009	BLUE	83
	AFTER INSTALL, NO START AND SETTING SOLENOID ELECTRICAL CODES	2011	BLUE	102
	NO UPSHIFT, COLD ONLY	2011	BLUE	103
	NO REVERSE	2012	BLUE	121
	INTERMITTENT HARSH ENGAGEMENTS, ERRATIC SHIFTS, VAG CODE 00300	2019	BLUE	120
09D(TR60-SN)	PRELIMINARY INFORMATION	2010	BLUE	33
	"PRNDS" INDICATOR ALLUMINATED, STUCK IN FAILSAFE	2010	BLUE	45
	TORQUE CONVERTER AND VB DIFFERENCES	2011	BLUE	106
09G/09M	PRELIMINARY INFORMATION	2009	BLUE	16
	LOSS OF LUBE AFTER REBUILD	2009	BLUE	44
	SLIPPING 3-4 OR NEUTRAL 3-4	2009	BLUE	48
	AFTER REBUILD, NO 4TH,5TH,6TH OR REVERSE	2009	BLUE	49
	AFTER REBUILD, NO REVERSE AND NEUTRALS IN 3RD	2009	BLUE	50
	HARSH REVERSE, 3RD AND 5TH GEARS	2009	BLUE	53
	DOUBLE BUMP ON 2-3, DOWNSHIFT CLUNKS	2009	BLUE	59
	HARSH OR DOUBLE BUMP ON THE 2-3 UPSHIFT	2010	BLUE	24
	03-LATER, STUCK IN FAILSAFE SETTING CODE 01045	2010	BLUE	27
	NO MOVEMENT, PRNDL LIGHTS FLASHING	2011	BLUE	120
	WHEN WARM, SETTING ISS AND/OR OSS CODES	2011	BLUE	121
	FLARED AND/OR HARSH SHIFTS	2011	BLUE	124
	SLIPS IN 1ST, NEUTRALIZES IN 2ND	2012	BLUE	129
	RELEARN PROCEDURES	2012	BLUE	131
	DRAGGING SENSATION/PARTIAL BIND-UP ON TAKE OFF	2014	BLUE	71
	GENERATION II PRELIMINARY INFORMATION	2015	BLUE	92
	AFTER REBUILD, FLARED SHIFTS	2016	BLUE	49
	NEW GENERATION VALVE BODY IDENTIFICATION	2016	BLUE	116
	SETTING CODE P1602, TERMINAL VOLTAGE 30 TOO LOW	2021	BLUE	78
09E(ZF6)	MANUAL ADAPTION RELEARN PROCEDURES	2017	BLUE	24
09S(8 SPEED)	MAKING A "SCRAPPING" NOISE IN REVERSE	2023	BLUE	78
0C8(TF80)	SHIFT INTERLOCK AND STOP LIGHTS INOPERATIVE	2017	BLUE	21

## Volvo

TRANSMISSION		YEAR	BOOK	PAGE
4T65EV-GT	NO MOVEMENT IN D3 OR NO ENGINE BRAKING	2006	WHITE	46
AW30/40/43LE	VALVE BODY IDENTIFICATION	2003	BLUE	114
AW50/42LE	HARSH REVERSE ENGAGEMENT	2001	BLUE	112
	NO REVERSE, 1ST, OR 4TH	2001	BLUE	117
	VALVE BODY EXPLODED VIEWS AND COMPONENT IDENTIFICATION	2004	BLUE	66
	NO REVERSE	2004	BLUE	77
AW55/50SN	GEAR RATIO INFORMATION	2006	BLUE	30
	NEUTRAL BANG ON TAKE OFF	2006	BLUE	35
	NO LOCKUP AFTER REBUILD, SETTING PO740	2007	RED	107
	01-02 SHIFT COMPLAINTS, 2-3 FLAIR, HARSH, 3-4 FLAIR, HARSH	2010	BLUE	117
	BUSHINGS AND/OR CASE FAILURE	2010	BLUE	118
	ELECTRICAL FAILURE CODES SET NETWORK CODES SET	2015	BLUE	148
JF506E	NO REVERSE, SLIPS IN FORWARD	2006	BLUE	40
TF80-SC	2-3 UPSHIFT FLARE	2014	BLUE	88
	2-3 FLARE, C3 CLUTCH CONTROL VALVE ADJUSTMENT	2020	BLUE	47
	GENERATION II CHANGES, IMPROVEMENTS	2020	BLUE	49
	FLUID DRAIN AND FILL PROCEDURES	2020	BLUE	56
TF81-SC	PRELIMINARY INFORMATION	2017	BLUE	62
W6DGA/6DCT470	HARSH ENGAGEMENT, OR SHUDDERS ON THE SHIFT	2018	BLUE	47
	RANDOM SHIFT ISSUES, MAY SET PERFORMANCE CODES	2018	BLUE	50
	GENERATION 1 AND 2 VALVE BODY AND SOLENOID ID	2018	BLUE	53
	SUDDEN NO MOVE CONDITION	2018	BLUE	57

## GENERAL TRANSMISSION INFORMATION

TRANSMISSION		YEAR	BOOK	PAGE
MISC TESTING	TESTING HALL EFFECT TYPE SENSORS	2000	BLUE	112
	BUS COMMUNICATION, UNDERSTANDING VARIOUS PROTOCOLS	2017	WHITE	28
	FUEL TRIM DIAGNOSIS INFORMATION	2018	RED	20
	AFTER FWD TRANSMISSION R&R, TRACTION "OFF" LIGHT ILLUMINATED	2018	RED	76
	ALL OBDI-II VEHICLES, VOLUMETRIC EFFECIENCY TESTING	2018	RED	80
	DIAGNOSING HIGH SPEED CAN-C BUS	2019	BLUE	11
	CHECKING SOLENOID CONNECTION FAULTS	2020	RED	93
	VOLUMETRIC EFFICIENCY AND FUEL TRIM ANALYSIS	2020	RED	104
	PORSCHE PKD (DUEL CLUTCH	2024	BLUE	64