



# **SPARE PARTS CATALOGUE**

**CD-ROM 'ELCAT' 1/2004 11.04.2007**

**9 S 109**

**ZF parts list no.: 1304 051 414**

**customer: ISUZU**

**Z F F R I E D R I C H S H A F E N A G**

## ZF-ELCAT technical information sheet

CD 1/2004 11.04.2  
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parts list: 1304 051 414 9 S 109 / SG\*LL\*ANGEFL\*DW-WR H-H / ISUZU

item	text	mod. no.
A10	CUSTOMER:ISUZU	
	COUNTRY:J	
A14	CUST.SPEC.NO: CODE:	
A16	1-33040-571-4	
F06	INSTAL.POSITION:HOR. LH *FLANGE MOUNTED*	
F10	RATIO: 10,24- 0,74 *SG	
	G10,24* 6,57* 4,78* 3,53* 2,61* 1,86*	
	G 1,35* 1,00* 0,74* R 9,44	
F26	PLANET GEAR SET:I=3,530* 4 GEAR	
F34	CONTROL:REMOTE CONTROL*HORIZONTAL RH *H-H	
	GP:PLASTIC FORMED PIPING	
F38	SEPARAT.CLUTCH: SYNCHRONIZED	
F40	INPUT SHAFT : L=320,0*SAE 10C 1 3/4INCH	
	JOURNAL:D=25 G7*SHAFT:D=44,00*BUSH:WITHOUT	
F46	REL.BRG.CARRIER:L= 215,0 D= 57,000 E8	
	SEALING CAP:WITH	
F50	OUTPUT :STANDARD BEARINGS	
F52	OUTP.FLANGE RA:OD=190 *NH= 4 *D=16,1	
	L=189,0	
F62	GP HOUSING :HEXAGON SCREW	
F64	CONN.OF GEARSHIFT:	
F66	CONTROL SHAFT DIMENSION:A=248,0*	
F68	MEAS.POINT: SHIFTLIVER-LOCATION *	
F96	SET OF SPRINGS:LAYOUT Q5 *INSERTION:W066	
F98	PAWL STOP: SPRING FORCE RG= 60N	
G06	GEAR DETENT:SPRING FORCE NG+GG = 68N	
G16	SELECTION PATTERN:WI	
G26	SPEEDO-DRIVE:I= 1,545*PROTECTING CAP:WITH	
G30	SWITCH: RG*CLOSING *SHIFT RAIL	
	PROTECT.CAP:WITH *CABLE+PLUG *L= 2,0M	
G32	SWITCH: NG*OPENING *	
	PROTECTING CAP:WITH *	
G36	SWITCH: GP*OPENING *	
	PROTECT.CAP:WITH *CABLE+PLUG *L= 2,0M	
G50	AUXILIARY UNITS:WITHOUT WSK *	
G60	AUXILIARY UNITS/ACCESSORIES	

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item	text	mod. no.
G64	HEAT EXCHANGER:WITHOUT *	
G66	G.BOX VENTING:BREATHER	
G74	RETARDER:WITHOUT	
G76	CLUTCH HOUSING:SAE 2 *L=210,0*	
	RELEASE: WITHOUT	
	CYL: WITHOUT * BALL PIN: WITHOUT	
	ASSEMBLY POS: 6 * LUBRICAT.CONNETION:WITHOUT	
	RELEASE SHAFT: BOTTOM* Y = 57* Z = 100	
G86	PARKING BRAKE:PREPARED	
H50	ELECTRONIC:	
H64	TRANSMITTER INPUT:WITHOUT	
	PROTECTING CAP:WITHOUT	
M00	DRAWING:	
M02	INSTALLATION: 1304 651 057	
M14	SECTION: 1304 051 410	
M16	SECTION: 1304 172 171	
M18	SECTION: 1304 149 012	
M20	SECTION: 6060 000 001	
M50	ASSEMBLY INSTRUCTIONS:	
M58	ASSEMBLY:OIL FILL+OVERFLO *HOUSING LEFT	
M90	OIL CAPACITY: AP. 8,50L	
M92	OIL GRADE ACC.TO ZF:TE-ML02	
M94	MASS : APPRX. 190,0 KG	
M96	PAINT :DEEP-BLACK *RAL9005 ZFN915W	
M98	PRESERVATION : KA2 T/KI2/S40*ZFN 916	
S02	VEHICLE DATA 1:	
S04	MODEL:TRUCK *GXZ 23	
S06	MAX.G.V.M. 26T*MAX. G.C.M. 38T	
S08	R DYN: 516*	
S10	RA: I= 5,12	
S14	ISUZU /6SD1-TC *KW201/2200*N.M1000/1500	
S18	CLUTCH: DAIKIN *380	
	MOMENT OF INERTIA:J=0,0700KGM2	
	SLIP TORQUE: 2621 N.M	
S52	VEHICLE DATA 2:	
S54	MODEL:TRUCK *FXZ	
S56	MAX.G.V.M. 26T*MAX. G.C.M. 40T	

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item	text	mod. no.
S58	R DYN: 516*	
S60	RA: I= 6,14	
S64	ISUZU /6SD1-TCR *KW180/ 220*N.M 892/1500	
S68	CLUTCH: DAIKIN *380	
	MOMENT OF INERTIA:J=0,0700KGM2	
	SLIP TORQUE: 2621 N.M	
T02	VEHICLE DATA 3:	
T04	MODEL:TRUCK *FXZ	
T06	MAX.G.V.M. 26T*MAX. G.C.M. 40T	
T08	R DYN: 516*	
T10	RA: I= 6,42	
T14	ISUZU /6SD1-TCR *KW180/ 220*N.M 892/1500	
T18	CLUTCH: DAIKIN *380	
	MOMENT OF INERTIA:J=0,0700KGM2	
	SLIP TORQUE: 2621 N.M	

## ZF-ELCAT summary of figures

parts list: 1304 051 414 9 S 109 / SG\*LL\*ANGEFL\*DW-WR H-H / ISUZU

figure	part no.	description	technical information	mod. no.
062.01.01	1304 101 243	GEARBOX HOUSING	9S109 *SG*WA*ZWG	76852
062.01.84	1304 101 922	GEARBOX HOUSING	9S109 *SG*WA *ZWG*ISUZU	76852
062.01.90	1304 101 800	CLOSING COMPON.	NA-OEFFNUNG	
062.01.KB	1304 101 402	CONN.PARTS	WS*OHNE	
062.02.01	1304 102 139	INPUT SHAFT	10,25-0,79/10,24-0,74 *L=320*SAE10C 1 3/4	
062.02.40	1304 102 479	CONN.PLATE	L=215*D=57E8	
062.02.KB	1304 102 807	INPUT SHAFT	O.WSK*DICHTKAPPE	
062.03.04	1304 103 048	LAYSHAFT	6,57-0,74/10,24-0,74	
062.03.80	1304 103 804	LAYSHAFT	O.WSK*PUMPE	
062.04.04	1304 104 135	MAIN SHAFT	10,24-0,74	
062.06.19	1304 106 053	GEARSHIFT SYST.	9S109 *SG*WA*W I	
062.06.46	1304 106 412	CONN.PARTS	WA*RG-SCHL*NG-OEFF	
062.06.KB	1304 106 400	CONN.PARTS	KABELVERBIND*RG*M27 *2,00M	
062.07.08	1304 107 215	G.SHIFT HOUSING	9/16S109 *H-H* 60N *GG-RASTRG.SCHWACH*K-ROLLE*DR2,5	
062.07.48	1304 107 591	G.SHIFT SHAFT	9/16S109*W I*248 *HH-WR *O.HEBEL*BOHRG.M10X1,5	
062.07.KB	1304 107 830	G.SHIFT HOUSING	*GG-RASTRG.SCHWACH* 68N	
062.08.02	1304 170 003	SHIFT TURRET	213,5-301,5*WR	
062.08.KB	1304 170 017	COVER	WR	
062.08.KB	1304 170 804	COVER		
062.12.02	1304 149 107	SET OF SPRINGS	WR *H-H/H*Q5 *W066 *WL*H	
062.43.02	1304 131 051	GP HOUSING	9S109 *GP-KOLBEN*D=100MM	
062.43.40	1304 131 400	CLOSING COMPON.	NA-OEFFNUNG	
062.43.KB	1304 131 825	GP HOUSING	ECOMID*6KT.SCHRAUBE *GP-KOLBEN*D=100MM	
062.44.03	1304 132 099	PLANETARY DRIVE	9S109*4-RAED*SYNCHR.D=165 *IT*PARKBREMSE	
062.44.KB	1304 132 806	PLANETARY DRIVE	9S109 *3,53*4-RAEDRIG	
062.45.03	1304 133 009	SYNCHRONIZER	ECOMID*PARKBREMSE *MOLYBDAEN	
062.45.KB	1304 133 404	SYNCHRONIZER	MOLYB.	
062.46.05	1304 134 033	GP SHIFT SYSTEM	KOLBEN-D=100MM *ANSCHLAG GEDAEMPFT	74962
062.46.40	1304 134 403	CONN.PARTS	GP-OEFF	
062.46.KB	1304 134 405	CONN.PARTS	KABELVERBIND*GP *2,00M	
062.57.09	1304 145 027	RANGE SELECTION	9S109*WA*W I *ISUZU	
062.61.01	1304 130 002	PARKING BRAKE	*I=1,545	
062.61.KB	1304 130 802	PARKING BRAKE	AD=190*LZ=4*D=16,0 *LP	
062.61.KB	1304 130 401	PARKING BRAKE	*I=1,545	
062.92.00	6060 101 818	MOUNTING	10XM18X1,5X85 *AL-GEHAEUSE	
062.92.16	6060 101 389	CLUTCH HOUSING	SAE 2*L=210,0*O.AUSRUECK. *O.ZYL- 6*GEDRUECK.KUPPL.	