



# **SPARE PARTS CATALOGUE**

**CD-ROM 'ELCAT' 1/2004 31.07.2008**

**16 S 181**

**ZF parts list no.: 1316 055 131**

**customer: RVI**

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

parts list: 1316 055 131 16 S 181 / SG-KK\*LL\*ANGEFL\*DW-WL H-H \*SERVO-WL / RVI

item	text
A10	CUSTOMER:RVI COUNTRY:F
A14	CODE: CUST.SPEC.NO: TYPE NO:
A16	5010452164
F06	INSTAL.POSITION:HOR. LH *FLANGE MOUNTED*
F10	RATIO: 13,80- 0,84 *SG G13,80* 9,49* 6,53* 4,57* 3,02* 2,08* G 1,43* 1,00* R12,92 S11,54* 7,93* 5,46* 3,82* 2,53* 1,74* S 1,20* 0,84* R10,80 RATIO SERIES-BASIS:DG
F26	PLANET GEAR SET:I= 4,565* 5 GEAR HELICAL GEAR
F34	CONTROL:REMOTE CONTROL*HORIZONTAL LH *H-H SHIFT ASSISTANCE:SERVO LH ACTUATION:CONTROL CABLE GP:PLASTIC FORM PIPE SERVO:PLASTIC FORM PIPE
F38	SEPARAT.CLUTCH: SYNCHRONIZED 1+2 GEAR DK-SYNCHR. 3+4 GEAR BK-SYNCHR.
F40	INPUT SHAFT : L=109,0*SAE 10C 2 INCH JOURNAL:D=30 F7*SHAFT:D=50,30*BUSH:WITHOUT SHAFT:L=395,50 *SPLINE:L=120,000* BEARING CONSTANT I:GL *D= 99,916H5 SPIGOT BEARING:TAPER ROLLER
F46	REL.BRG.CARRIER:L=- 24,0 D= 60,000 F8
F50	OUTPUT :STANDARD BEARINGS
F52	OUTP.FLANGE RA:OD=180 *NH= 4 *D=15,0 L=211,5
F60	MOUNTING FACE HOUSING II:LEFT + RIGHT
F64	CONN.OF GEARSHIFT:
F66	CONTROL SHAFT DIMENSION:A=300,0*
F68	MEAS.POINT: SHIFTLIVER-LOCATION *
F74	SHIFT LEVER:R1= 70*CRANKED TO OUTSIDE
F80	CONTR.CONNECTION:POS. A *
F96	SET OF SPRINGS:LAYOUT Q1 *
F98	PAWL STOP: SPRING FORCE RG= 90N
G00	RESISTANCE DETENT:SPRING HF= 90N DETENT LEVER LAYOUT:VERSION= C
G02	SPRING*WF- 17N
G08	DETENT NG: SPRING FORCE= 200N
G16	SELECTION PATTERN:WI
G30	SWITCH: RG*CLOSING *G.SHIFT SHAFT PROTECTING CAP:WITH *BAYONET
G32	SWITCH: NG*OPENING * PROTECTING CAP:WITH *BAYONET
G36	SWITCH: GP*PREPARED * PROTECTING CAP:WITHOUT*
G50	AUXILIARY UNITS:
G56	SWITCH: GV*OPENING * PROTECTING CAP:WITH *BAYONET
G60	AUXILIARY UNITS/ACCESSORIES

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item	text
G64	HEAT EXCHANGER:FRONT LEFT *WITH
G66	G.BOX VENTING:BREATHER
G76	CLUTCH HOUSING:SAE 1 * INTEGR
	RELEASE: WITH
	CYL: * *L=
	HOLDING FIXTURE D= *SUSPENSION:
	SENSOR: * ASSEMBLY: 6
H50	ELECTRONIC:
H68	PULSE TRANSMITTER TACHO:IMP/U 6,00
	TRANSMIT:WITHOUT*PROTECT.CAP:WITHOUT
H70	PULSE TRANSMITTER TACHO:IMP/U 6,00 *
	TRANSMITTER:WITH *PROTECTING CAP:WITH
	POS: 1*INSTALL.DRAWING
M00	DRAWING:
M02	INSTALLATION: 1316 600 155
M04	POSITION DELETED
M14	SECTION: 1316 051 550
M16	SECTION: 1316 101 035(0)
M18	SECTION: 1316 173 042
M22	SECTION: 1315 147 003(2)
M28	SECTION: 1315 192 100
M50	ASSEMBLY INSTRUCTIONS:
M58	ASSEMBLY:OIL FILL+OVERFLOW *HOUSING LEFT+RIGHT
M82	ASSEMBLY:SHUT-OFF VALVE *F *THROTTLE:D=1,55
M90	OIL CAPACITY: AP. 13,00L
M92	OIL GRADE ACC.TO ZF:TE-ML02
M94	MASS : APPRX. 330,0 KG
M96	PAINT :DEEP-BLACK *RAL9005 ZFN915W
M98	PRESERVATION : KA1+2 /KI2/ *ZFN 916
Q50	QUALITY INSTRUCTION:
Q52	TESTING:GAERBOX KPL/INTARDER 1Q49 154 847
S02	VEHICLE DATA 1:
S04	MODEL:TEST VEHICLE *MAGNUM
S14	RVI /062465 *KW309/1900*N.M2000/1400
S18	CLUTCH: F&S *MFZ2/400

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figure	part no.	description	technical information
068.01.03	1316 101 118	GEARBOX HOUSING	DG/SG-KK*W I *FL.LI+RE *WT/VENTILBL
068.01.52	1316 101 955	GEARBOX HOUSING	DG/SG-KK *STANDARD
068.02.02	1316 102 054	INPUT SHAFT	SG-KK*16S181 *L109 *GL100*ZAPF.30
068.02.55	1315 102 436	CONN.PLATE	L-24*D60F8 *AUSR-WELLE *GETR*2-SK*A-PKT H
068.02.KB	1315 102 811	INPUT SHAFT	A-PLATTE GETR*GEH.6KT-SCHR
068.03.01	1316 103 008	LAYSHAFT	13,80-0,84*KK*16S181
068.03.81	1316 103 803	LAYSHAFT	PUMPE GETR*GEH.1 6KT-SCHR
068.04.12	1316 104 038	MAIN SHAFT	16S181*SG-KK+DG*NEUES K.K *GP-SV SCHMAL*
068.04.KB	1315 104 804	MAIN SHAFT	GP GV+SV*EINSTELLUNG GV *RING
068.06.01	1316 106 008	GEARSHIFT SYST.	WL*W I*
068.06.KB	1315 106 422	CONN.PARTS	GEH.2 W I RG/HG-VERSCHL
068.06.KB	1315 106 800	GEARSHIFT SYST.	GLEITSTEINE 1-4GANG *SCHALTSCHIENE VERST
068.07.31	1316 108 046	G.SHIFT HOUSING	WL-SERVO*W I*H-H*CGS
068.07.KB	1316 108 824	G.SHIFT HOUSING	WL-SERVO*H-H *R= 70 *KABELZUG RVI
068.07.KB	1316 108 460	G.SHIFT SHAFT	SERVO WL/WR*RASTE 200N *NG-BUEGEL 1316
068.07.KB	1316 108 031	DETENT	WL/WR-SERVO*W I*H-H*HF 90N *R.HEBEL RE AU
068.08.30	1316 171 403	END COVER	WL-SERVO
068.08.81	1316 171 806	CONN.PARTS	WL/WR-SERVO*LA=F*D=OHNE *VORGEFORMTE
068.08.KB	1316 171 406	PNEUM.SERVOUNIT	WL/WR-SERVO*2-ST.SCHLTG. *ASIEN
068.09.01	1316 109 022	CONN.PARTS	HASV 2-ST*D=1,55 INTEGR. *RG-RASTE 90N*WL
068.09.KB	1316 109 433	CONN.PARTS	NG-OEFF/BAJO*RG-SCHL*BAJO *SERVO*RG-STIF
068.10.02	1316 111 004	SELECTOR LEVER	CGS*VORMONTAGE
068.10.KB	1316 111 802	SELECTOR LEVER	CGS*ANBAU *RVI MAGNUM + PREMIUM
068.12.12	1316 149 429	SET OF SPRINGS	SERVO-WL*Q1*WF 17N *6KT=16*GS KOLBEN 50,
068.40.02	1316 112 007	GV-SHIFT SYSTEM	235N*GV-LAG.GEH.1
068.40.KB	1315 112 422	CONN.PARTS	SG*GV-OEFF*BAJONETT
068.43.02	1315 131 050	GP HOUSING	16S151/221*SOLO*ET *OHNE GP-LUFTKANAL
068.43.21	1315 131 047	COVER	ABTR*L=52*GDAL *ECO II/III
068.43.KB	1315 131 400	CLOSING COMPON.	NA-OEFFNUNG
068.43.KB	1315 131 805	GP HOUSING	
068.43.KB	1315 131 410	CONN.PARTS	E-TACHO-POS.1UHR
068.44.07	1315 132 015	PLANETARY DRIVE	4,565*GP-SV*FL.PROF.90
068.44.41	1316 132 400	PLANETARY DRIVE	180*LZ= 4*D=15,0*L=211,5
068.45.04	1316 133 008	SYNCHRONIZER	MOLYB*FL-PROFIL 90*E/Z6-V *GP-SV*16S151/221
068.45.KB	1315 133 403	SYNCHRONIZER	MOLYBDAEN*FL-PROFIL 80 *SV-GP PROFIL 90
068.46.03	1316 134 016	GP SHIFT SYSTEM	16S221*ZYL*LUFTKANAL *GP-ANZEIGENUT
068.46.KB	1315 134 409	CONN.PARTS	145N*GP-VORB *GV-LAG
068.57.04	1316 145 002	RANGE SELECTION	16S221 *VORGEFORMTE ROHRE
068.90.02	1315 147 005	CONN.PARTS	OELKUEHLER VORNE LI
068.93.05	1315 168 016	CL.RELEASE DEV.	AUSR-WELLE*SW=134*2-SK *MAN

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figure: 068.01.03 GEARBOX HOUSING \* depending on parts list no.

