



SPARE PARTS CATALOGUE

CD-ROM 'ELCAT' 1/2004 10.07.2008

16 S 221

ZF parts list no.: 1316 051 339

customer: RVI

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

parts list: 1316 051 339 16 S 221 / SG*LL*ANGEFL*DW-WL H-H / RVI

item	text
A10	CUSTOMER:RVI COUNTRY:F
A14	CODE: CUST.SPEC.NO: TYPE NO:
A16	5010452380
A90	RELEASE:FIRST INSTALLATION CHECK NECESSARY
F06	INSTAL.POSITION:HOR. LH *FLANGE MOUNTED*
F10	RATIO: 13,86- 0,84 *SG G13,86* 9,52* 6,56* 4,58* 3,02* 2,08* G 1,43* 1,00* R12,97 S11,59* 7,96* 5,48* 3,83* 2,53* 1,74* S 1,20* 0,84* R10,85 RATIO SERIES-BASIS:DG
F26	PLANET GEAR SET:I= 4,583* 5 GEAR SPUR GEAR.
F34	CONTROL:REMOTE CONTROL*HORIZONTAL LH *H-H GP:PLASTIC FORMED PIPING
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=25 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:WITHOUT
F64	CONN.OF GEARSHIFT:
F66	CONTROL SHAFT DIMENSION:A=288,0*
F68	MEAS.POINT: SHIFTLIVER-LOCATION *
F74	SHIFT LEVER:R1=105*CRANKED TO INSIDE TAPER:OUTSIDE
F80	CONTR.CONNECTION:POS. C *
F94	G.SHIFT LEVER ANGLE:EP= 4TO 9DEG
F96	SET OF SPRINGS:LAYOUT Q2 *
F98	PAWL STOP: SPRING FORCE RG=120N
G00	RESISTANCE DETENT:SPRING HF= 60N/ 70N DETENT LEVER LAYOUT:VERSION=
G02	SPRING*WF- 35N*I- 26N
G06	GEAR DETENT:SPRING FORCE NG+GG = 168N
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*OPENING * PROTECTING CAP:WITH *BAYONET
G38	SWITCH: HG *OPENING * PROTECTING CAP:WITH *BAYONET
G50	AUXILIARY UNITS:
G56	SWITCH: GV*OPENING *

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item	text
	PROTECTING CAP:WITH *BAYONET
G60	AUXILIARY UNITS/ACCESSORIES
G64	HEAT EXCHANGER:FRONT LEFT PREP*
G66	G.BOX VENTING:PIPE *L= 2,20M
	POS:FRONT
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:WITH *PROTEC.CAP:WITH
H70	PULSE TRANSMITTER TACHO:IMP/U 6,00 *
	TRANSMITTER:WITHOUT*PROTECTING CAP:WITHOUT
	POS: 1*INSTALL.DRAWING
M00	DRAWING:
M14	SECTION: 1315 051 100(0)
M16	SECTION: 1316 101 035(0)
M18	SECTION: 1316 172 003(0)
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. 320,0 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:TRUCK *KERAX 300.26 6X 4
S06	MAX. G.V.M. 34T*MAX. G.C.M. 90T
S08	R DYN: 522*
S10	RA: I= 5,79*
S14	RVI /MIDR062356A*KW280/2000*N.M1730/1200
S18	CLUTCH: VALEO *430DTE

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figure	part no.	description	technical information
068.01.03	1316 101 103	GEARBOX HOUSING	DG/SG-KK*W I *FL.OHNE
068.01.52	1316 101 959	GEARBOX HOUSING	DG/SG-KK*ENTL*ROHR
068.02.02	1316 102 033	INPUT SHAFT	SG-KK*16S221/251 *L109 *GL100*ZAPF.25
068.02.55	1315 102 436	CONN.PLATE	L-24*D60F8 *AUSR-WELLE *GETR*2-SK*A-PKT I
068.02.KB	1315 102 811	INPUT SHAFT	A-PLATTE GETR*GEH.6KT-SCHR
068.03.01	1316 103 013	LAYSHAFT	16S221*SG-KK*N.KONST.K.
068.03.81	1316 103 803	LAYSHAFT	PUMPE GETR*GEH.1 6KT-SCHR
068.04.10	1316 104 034	MAIN SHAFT	16S221*SG-KK+DG*NEUES K.K *GP-GV*HS45
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 106 419	CONN.PARTS	W I*RG-VERSCHL*1G-VERSCHL. *ADAP.HG-OEFF
068.06.KB	1315 106 800	GEARSHIFT SYST.	GLEITSTEINE 1-4GANG *SCHALTSCHIENE VERST
068.07.05	1316 107 035	G.SHIFT HOUSING	WL*W I*RAENDEL
068.07.KB	1315 107 851	G.SHIFT HOUSING	WL*H-H*SCHUTZKAPPE *R=105 *A38*FYO*O
068.07.KB	1316 107 434	G.SHIFT SHAFT	W I*H-H*HASV 2-ST*D=1,55 *RASTE 200N*NG-BU
068.07.KB	1316 107 005	CONN.PARTS	RG-RASTE SEPARAT*120N
068.08.06	1316 170 031	COVER	WL*H-H *VM
068.08.KB	1316 170 001	SHIFT TURRET	WL
068.08.KB	1316 170 812	COVER	WL*AUSL+GEH*H-H*HF 60N *HF I 70N
068.08.KB	1316 170 442	CONN.PARTS	WL*NG-OEFF*RG-SCHL*168N *BAJONETT
068.12.02	1316 149 010	SET OF SPRINGS	WL/WR*Q2/Q3*WF 35*I=26N
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 131 402	CONN.PARTS	E-TACHO-SEITL
068.44.03	1316 132 014	PLANETARY DRIVE	4,583*E/Z6 *O.SCHR.FUER TACHO
068.44.41	1316 132 400	PLANETARY DRIVE	180*LZ= 4*D=15,0*L=211,5
068.45.02	1316 133 002	SYNCHRONIZER	MOLYB*FL-PROFIL 90
068.45.KB	1316 133 404	SYNCHRONIZER	MOLYBDAEN*FL-PROFIL 90
068.46.03	1316 134 016	GP SHIFT SYSTEM	16S221*ZYL*LUFTKANAL *GP-ANZEIGENUT
068.46.KB	1315 134 412	CONN.PARTS	145N*GP-OEFF*BAJONETT *GV-LAG
068.57.04	1316 145 002	RANGE SELECTION	16S221 *VORGEFORMTE ROHRE
068.93.05	1315 168 016	CL.RELEASE DEV.	AUSR-WELLE*SW=134*2-SK *MAN