



Spare Parts Catalog

16 S 2220 TO

Material number: 1367.002.032



Pos.	Information	Amendment number
001	Use case -----	
002	Customer IVECO MAGIRUS AG	
003	City Neu-Ulm	
004	DUNS 31-561-9072	
005	Vehicle / Apparatus -----	
006	Sales Name TRAKKER	
007	Manufacturer IVECO MAGIRUS AG	
008	Engineering Name	
009	Product Use TRUCK	
010	Vehicle/Hardware Type ROAD TRACTOR	
011	SOP	
012	Engine	
013	Sales Designation	
014	Manufacturer IVECO FIAT SPA	
015	Eng.Displ.	
016	Cylinder	
017	Nom. power 331 kW	
018	RPM at nom. power 1900 1/min	
019	Nom. torque 2200 Nm	
020	RPM at nom. torque 1000 1/min	
021	Classification use case -----	
026	DYNAMIC TYRE RADIUS 490 mm	
027	REAR AXLE RATIO 3.79	
031	PERMISS.GROSS VEHICLE WEIGHT 38 t	
033	Product description -----	
034	INSTALLATION POS TRANSMISSION HORIZONTAL LEFT	
035	TRANSMISSION ATTACHMENT FLANGE-MOUNTED	
041	NUMBER OF GEARS 16	
042	RATIO, BOTTOM GEAR 13.8	
043	RATIO, TOP GEAR .84	
044	SET OF RATIOS SG	
045	NOTE ON TYPE OF GEAR SHIFT SYS TURNING SHAFT	



Pos.	Information	Amendment number
046	POSITION, GEAR SHIFT SYSTEM HORIZONTAL RIGHT	
047	DESIGN, SHIFT PATTERN H-H	
048	VERSION SHIFT SUPPORT SERVO	
049	VERSION ACTUATION SHIFT SYSTEM MECHANICAL	
050	DESIGN, SHIFT SYSTEM MECHANICAL	
051	DESIGN PSE PSE1	
052	DESIGN PSE WITH VALVE SAV6	
054	MAIN CUTOFF VALVE WITH	
055	NO. TAPPETS MAIN CUTOFF VALVE 2	
056	POS. AIR CON MAIN CUTOFF VALVE G	
057	DESIGN 1TH GEAR/REVERSE GEAR FORK	
058	DESIGN AIR SHUT-OFF ELEK SAV 6	
059	DIA.THROTTLE VALVE AIR SUPPLY 1.3 mm	
060	SELECTION PATTERN VARIANT GEAR SHIFT PATTERN 1	
061	VERSION OF SYNCHRONIZER 1 1+2 GEAR BK-SYNCHR.MOLYBDAEN	
062	VERSION OF SYNCHRONIZER 2 3+4 GANG BK-SYNCHR.CARBON	
063	REFERENCE LENGTH INPUT SHAFT 117 mm	
064	STANDARD TYPE INPUT SHAFT SAE	
065	NUMBER OF WEDGES INPUT SHAFT 10	
066	VERSION OF INPUT SHAFT FORM C	
067	NOMINAL DIAMETER INPUT SHAFT 2 in	
068	DIAMETER, JOURNAL, INPUT SHAFT 25 mm	
069	TYPE FIT SPIGOTS INPUT SHAFT F7	
070	VER. BEAR. SPIGOTS INPUT SHAFT TAPER ROLLER	
073	DESIGN,CONN., CLUTCH HOUSING SAE 1	
074	CENTR.DIA,HSG/ENGINE CONNECT. 511.175 mm	
075	NUMBER OF BORES,ENGINE CONN. 12	
076	BORE DIA, ENGINE CONNECTION 11 mm	
077	DESIGN, RELEASE SHAFT	
078	WIDTH ACROSS FLATS,RELEAS.FORK 116 mm	
081	REF.LENGTH,RELEASE BEAR.FLAN -24.2 mm	
082	DIAMETER, RELEASE FLANGE 62.62 mm	



Pos.	Information	Amendment number
083	DESIGN RELEASE CYLINDER WITHOUT GROOVE	
084	OUTER DIA. OUTPUT FLANGE RA 180 mm	
085	NO.OF BORES OUTPUT FLANGE HA1 4	
087	BORE DIA. OUTPUT FLANGE RA 15 mm	
091	CORROS.PROTECTION, OUTP.FLANGE COATED	
092	DIMENSION SHIFT TURRET DIST. 306.000 mm	
093	MEAS. LOC. SHIFT TURRET DIST. SHIFT LEVER-LOCATION	
094	SELECTOR LEVER	
099	G.SHIFT LEVER n	
103	SHIFT LEVER CONNECTION KNURLING	
110	SPRING ARRANGEMENT Q3	
111	SPRING FORCE DETENT PLUNGER RG 60.000 N	
114	SELECTOR SPRING FORCE, OUTSIDE 35.000 N	
115	SELECTOR SPRING FORCE, INSIDE 26.000 N	
116	HUMP SPRING FORCE, OUTSIDE 150.000 N	
120	ALLOCATION DETENT LEVER VER. A	
121	SWITCH, REVERSE GEAR y	
122	DESIGN, RG (REV.GEAR) SWITCH CLOSING	
123	DESIGN, CONNECTION, RG SWITCH DIN BAYONET	
124	CODE SWITCH RG A1	
125	PROT. CAP SWITCH, REVERSE GEAR y	
126	SWITCH, NEUTRAL GEAR y	
127	DESIGN,NG(NEUTRAL GEAR)SWITCH OPENING SWITCH	
128	DESIGN, CONNECTION, NG SWITCH DIN BAYONET	
129	CODE SWITCH NG A1	
130	PROT.CAP SWITCH, NEUTRAL GEAR y	
131	PRESSURE SWITCH n	
135	PROTECTING CAP PRESS.SWITCH	
136	RG-GATE-IDENTIFICATION SWITCH n	
141	SWITCH RG-ENGAGED n	
146	SWITCH GP y	
147	DESIGN, GP SWITCH CLOSING	



Pos.	Information	Amendment number
148	DESIGN, CONNECTION, GP SWITCH DIN BAYONET	
149	CODE SWITCH GP A1	
150	PROTECTING CAP GP SWITCH y	
156	SWITCH GV n	
161	SWITCH HG n	
166	SWITCH 1 GEAR n	
171	ATTACHM.POS.HEAT EXCHANGER IN FRONT RIGHT	
172	DES.CONN.HEAT EXCHANGER PREPARED	
173	VER. TRANSMISSION VENTILATION PLUG CONNECTION 90 DEGREE	
175	POS.TRANSMISSION VENTILATION IN FRONT	
180	PULSE SENSOR TRANSMISSION PREPARED	
181	PULSE RATE PULSE SENS GEARBOX 6 IMP/U	
182	PROT.CAP PULSE SENSOR GEARBOX	
190	OIL CAPACITY, GEARBOX 15.5 dm3	
191	OIL FILL VARIANT EX WORKS	
192	OIL GRADE PERMISSIBLE ACC. TO TE-ML01	
193	OIL CLASS FIRST FILLING E	
194	CODING OUTER CONSERVATION KA1	
196	CODING INNER CONSERVATION KI1	
197	CONSERVATION SPECIFICATION ZFN 916	
198	COLOR BLACK-GREY	
199	COLOUR CLASSIFICATION ACC. TO RAL 7021	
200	PAINTING, ZF STANDARD 915 W	
249	Documents -----	
250	16-SPEED GEARBOX Drawing 1367.601.002	
251	TURN.SHAFT CONT Drawing 1316.173.010	
252	Alias ID -----	
253	IVECO MAGIRUS AG 41289487	



Graphics	Pos.	Material number	Name	VKF	Amend. no.	Amend. start	Prod. no.	Material feature / tech. info.	ID
161.01.07-1	110	1356.101.003	GEARBOX HOUSING	1	Z0000308441 0	13.10.2009		LANG*ENTL.W.STCK*BEARB*GP*UNBEARB.1G*HG*SC GP-SAV	3
161.01.07-1	180	1325.101.810	CLUTCH HOUSING	1	Z0000308441 0	13.10.2009		SAE D=11*ABSTZG.2X D=9*UNBEARB.SENSOR/GV/M8/ SCHUTZBL/LEITG	3
161.02.01-1	10	1367.102.006	INPUT SHAFT	1	Z0000308011 0	20.01.2009		L=117*OD*16G- LANG*Z=25*KEGELR.ZL*SAE2*16S2230*BK144*D=2,5	3
161.02.01-1	240	1325.102.802	CONNPLATE	1	Z0000308441 0	13.10.2009		VERBINDG*A.PLATTE-GEH.1 *DRUCKGUSS	3
161.02.01-1	910	1325.102.016	CONNPLATE	1		00.00.0000		ABST.PKT 1 STANDARD-AUSR *L=142,8*D=62,62*Y=77,0*Z=60,6	3
161.03.02-1	20	1356.103.002	LAYSHAFT	1		00.00.0000		16S2530TO*LANG*3G ZF7 *K I MIT FREIGANG GEH.	3
161.04.05-1	30	1367.104.004	MAIN SHAFT	1	Z0000308011 0	20.01.2009		16S1930TD/2230TO*LANG*KEGELR.ZL*1+2G BK MOL*3+4G CARB*3G ZF7	3
161.05.01-1	130	1325.105.001	RETURN	1	Z0000308441 0	13.10.2009		12/16GANG*LANG	3
161.06.02-1	40	1356.106.001	GEARSHIFT SYST	1	Z0000308011 0	20.01.2009		16G LANG*ERKENNUNG 3+4G *1G- ANZ OHNE	3
161.06.02-1	44	1325.106.803	GEARSHIFT SYST	1	Z0000308011 0	20.01.2009		GLEITSTEINE*ECOSPLIT 4*12GANG*16GANG	3
068.07.25-1	460	1316.108.806	GEAR SHIFT HOUSING	1	Z0000308441 0	13.10.2009		WR*H-H*SCHUTZK.	3
068.07.25-1	910	1316.108.073	GEAR SHIFT HOUSING	1		00.00.0000		HGS+WR-SERVO*W I*H-H*ECO4	3
068.07.25-1	914	1316.108.459	GEAR SHIFT SHAFT	1	Z0000308201 0	20.07.2009		SERVO WL/WR*RASTE 200N	3
068.07.25-1	924	1316.108.019	DETENT	1	Z0000816751 0	20.05.2010		WL/WR-SERVO*W I*H- H*HF150N*R.HEBEL RE AUSF.A	3
068.07.25-1	930	1316.108.811	COVER	1	Z0000308201 0	20.07.2009		WL/WR-SERVO*W I/WII	3
068.08.18-1	944	1316.171.004	SHIFT TURRET	1	Z0000308201 0	20.07.2009		WR-SERVO	3

VKF Incidence factor

ID Identification (output code)



Graphics	Pos.	Material number	Name	VKF	Amend. no.	Amend. start	Prod. no.	Material feature / tech. info.	ID
068.08.18-1	950	1316.171.800	SHIFT TURRET	1	Z0000308201 0	20.07.2009		WL/WR*WR-SERVO	3
068.08.18-1	960	1316.171.436	PNEUMSERVOUNIT	1	Z0000308201 0	20.07.2009		PSE1 MIT EL.SAV6*D=1,3*WL/ WR*EUROPA*IVECO SYNCHR.PROTECTION	3
068.09.01-1	934	1316.109.023	CONNECTING PARTS	1	Z0000308201 0	20.07.2009		HASV 2-ST*D=1,55 INTEGR. *RG- RASTE 60N*WL/WR*SERVO	3
068.09.01-1	940	1316.109.455	CONNECTING PARTS	1	Z0000308201 0	20.07.2009		NG-OEFF*RG-SCHL*BAJONETT MIT KAPPE*SERVO	3
161.10.01-1	200	1356.110.002	OIL SUPPLY	1	Z0000308441 0	13.10.2009		16GANG*LANG	3
161.10.01-1	920	1325.110.005	PUMP	1		00.00.0000		ECOSPLIT 4 *PUMPENDECKEL GESCHR.	3
068.12.18-1	918	1316.149.404	SET OF SPRINGS	1	Z0000308201 0	20.07.2009		SERVO-WR*Q2/Q3*WF 35*I=26N*RAEND=23	3
161.28.02-1	370	1367.128.803	PLANETARY RANGE	1	Z0000308441 0	13.10.2009		SOLO*8/16 S 181 SCHMAL	3
161.40.01-1	50	1356.112.001	GV-SHIFT SYSTEM	1	Z0000308011 0	20.01.2009		16GANG LANG*ECO4	3
161.40.01-1	340	1325.112.806	GV-SHIFT SYSTEM	1	Z0000308441 0	13.10.2009		ZYL.LANG*VENTIL OD*O.VERSCHL.SCHR.GV- ANZ*LA=OBEN	3
161.43.03-1	40	1325.131.012	GP HOUSING	1		00.00.0000		SOLO*ABTR.DECKEL*IMP VORBER*O.LP*O.N1- N4*SCHR.MIKROVERKAP	3
161.43.03-1	50	1325.131.400	CLOSING COMPONENTS	1		00.00.0000		NA-OEFFNUNG	3
161.44.01-1	10	1354.132.002	PLANETARY DRIVE	1		00.00.0000		GP SCHMAL *BUCHSE KK GPS O.SCHMIERBOHRG	3
161.44.01-1	60	1325.132.405	OUTPUT FLANGE	1		00.00.0000		AD=180*LZ=4*D=15,0*SOLO*L= 94*BESCHICHTET VPT	3

VKF Incidence factor

ID Identification (output code)

Assembly group overview

Page 3 from 3

Material number: 1367.002.032

16 S 2220 TO /



Graphics	Pos.	Material number	Name	VKF	Amend. no.	Amend. start	Prod. no.	Material feature / tech. info.	ID
161.45.01-1	20	1325.133.004	SYNCHRONIZER	1		00.00.0000		GP L+S-GRUPPE*Z=6*SOLO *BUCHSE GETRENNT*DRUCKGUSSLOS 4	3
161.46.01-1	30	1325.134.006	GP SHIFT SYSTEM	1		00.00.0000		LANG*SOLO*GP-ANZ.GEH.2	3
161.46.01-1	400	1325.134.404	SWITCH	Z0000308441 1	0	13.10.2009		GP*SCHLIESSER*BAJONETT *RIEGELANSCHLAG 145N.M	3
161.57.04-1	510	1325.145.004	RANGE SELECTION	Z0000308441 1	0	13.10.2009		LANG*HAUPTABSCHALTVENTIL	3
161.70.06-1	480	1356.170.009	SHUT-OFF VALVE	Z0000308441 1	0	13.10.2009		16G*H-H*LANG*ROHRLEIT HASV- SAV6*ROHR GV-VENTIL-SAV6*GV- D=1,3	3
161.90.08	320	1325.147.009	SCREW PLUG	1		00.00.0000		ANSCHLUSS WAERMETAUSCHER VERSCHLOSSEN	3
161.93.25-1	260	1325.168.005	CLUTCH RELEASE DEVICE	Z0000308441 1	0	13.10.2009		ROLLE*OHNE AUSRUECKER	3

VKF Incidence factor

ID Identification (output code)

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