

Document title:	Date:
Defect code	2022-04-07
Language:	Section, Warranty User Manual:
English	7.3 (3.2.16)

Code	Description	Long Description
2	Safety campaigns / Product & Recommended update	Only applicable for Safety Campaigns, product & Recommended update
5	Delivery Service & Service intervals	For regional purposes, only
Engine with mounting with associated parts		
21	FG2: Damaged: seal / threads / hose / O-ring / pipe	External leakage - Engine with associated parts & components.
22	FG2: Internal Leakage	Internal leakage / transfers - Engine with associated parts and components.
23	FG2: Loose / Not properly torqued / Misalignment	Bolts, Nuts, Threaded rods, etc.
24	FG2: Overheating / Melted / Abnormal high heat	Abnormal high temperatures (Fan, Water pump, Oil cooler, Radiator, ERG, Water, Oil).
25	FG2: Emission related Problem (SCR, DPF, AdBlue excl. sensor)	EATS, Smokey exhaust gases (White/Black), AdBlue, etc.
26	FG2: Broken in pieces / Cracks, general (Excluding welding defects)	Engine housing, exhaust pipes, injector, crankcase, shaft, plunger, etc.
27	FG2: Irregular / poor engine performance / Abnormal high consumption	Abnormal oil consumption, low power, white/black smoke etc.
28	FG2: Contamination / Blocked / Clogged	Fuel, Oil, Water, plungers, Filters, etc.
29	FG2: Vibration / Unbalance / Abnormal noise	Vibrations (Judder), clogging noise, V-Belts, fan etc.
20	FG2: Other	Only to be used if none of the available def codes match
Electrical System, Warning System, Information System, Instrument		
31	FG3: Care track / eMob APP	Connection problem, data transmitting failure / communication error etc.
32	FG3: ECU (all kind of) / TGW	Black screen, no/wrong values, Open circuit, Intermittent, Earth fault, Faulty or break in wiring
33	FG3: Software / calibration	Code only applicable to Software problem. (Excluding ECU:s)
34	FG3: Melted / Abnormal high heat	Electrical equipment, that for some reason has been caught by high temperature, etc.
35	FG3: Faulty sensor / Sensor problem	Open circuit, Intermittent, Earth fault, Faulty or break in wiring
36	FG3: Faulty wiring / Cable problem / Cable Terminals / Switch / Moisture	Open circuit, Intermittent, Earth fault, Faulty or break in wiring, Traction voltage error / traction voltage / low voltage /Charging failure / interruption / stop / too long charging, Charger failure / DC charger / AC (on board) charger

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37	FG3: Fuse / Relais	Open circuit, Intermittent, Earth fault, Faulty or break in wiring
38	FG3: Battery failure; all kind	Uncharged - Voltage too low, (Over / undercharging is alternator issue, not battery), Traction Battery SOC error / cooling error
39	FG3: Seized / Squeezed / Jammed (Alternator, Generator)	Alternator, Clutch, A/C compressor, Starter motor, Starter Switch, etc.
30	FG3: Other	Only to be used if none of the available def codes match
Power Transmission Mechanical / Electrical		
41	FG4: Damaged: seal / threads / hose / O-ring / pipe	External leakage - axles / transmission / gear box with associated parts & components.
42	FG4: Internal Leakage	Internal leakage / transfers, O-rings internally, - axles / transmission / gear box with associated parts and components.
43	FG4: Loose / Not properly torqued / Misalignment	Bolts, Nuts, Threaded rods, etc.
44	FG4: Overheating	Oil temperatures, Internal problems, Heavy operations, high ambient temps, etc., Electric motor overheating
45	FG4: Fault in welding / Cracks in welding / Flaws	Cracks, Flaws, Penetration errors in welding seams
46	FG4: Broken in pieces / Cracks, general (Excluding welding defects)	Cracks in steel metals, gears, housing, Propeller shaft etc.
47	FG4: Slipping / Play / Worn / Seized / Squeezed / Jammed / Deformation / Misshapen / Malformed	Bushings, Bearings, Clutch, Gears etc.
48	FG4: Contamination / Blocked / Clogged	Metal dust or other foreign objects in oil or components
49	FG4: Vibration / Unbalance / Abnormal noise	Vibrations (Judder), clogging noise, Cavitation, frictions etc., Electric motor seizing / vibration / noise / overheating
40	FG4: Other	Only to be used if none of the available def codes match
Brake		
51	FG5: Damaged: seal / threads / hose / O-ring / pipe	Hoses, Pipes, O-rings, Brake valves, Accumulator, Valves, etc.
52	FG5: Internal Leakage	O-rings internally, Oil transfers (Brake piston seals), etc.
53	FG5: Loose / Not properly torqued / Misalignment	Bolts, Nuts, Threaded rods, etc.
54	FG5: Overheating	Oil temperatures, Internal problems, Heavy operations, high ambient temps, etc.
55	FG5: Fault in welding / Cracks in welding / Flaws	Cracks, Flaws, Penetration errors in welding seams
56	FG5: Broken in pieces / Cracks, general (Excluding welding defects)	Cracks in Brake parts and/or components, Brake valves, Pistons, Rods, Brake discs, Calipers, etc.
57	FG5: Slipping / Play / Worn / Seized / Squeezed / Jammed / Deformation / Misshapen / Malformed	Brake valves, Pistons, Rods, Brake discs, Calipers, etc.
58	FG5: Contamination / Blocked / Clogged	Metal dust or other foreign objects in system, oil or brake components.

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59	FG5: Vibration / Unbalance / Abnormal noise	Vibrations (Judder), clogging noise, Cavitation, frictions etc.
50	FG5: Other	Only to be used if none of the available def codes match
Steering		
61	FG6: Damaged: seal / threads / hose / O-ring / pipe	Hoses, Pipes, O-rings, Steering valves/cylinders, Steering accumulators, etc.
62	FG6: Internal Leakage	Hoses, Pipes, O-rings, Steering valves/cylinders, Steering accumulators, etc.
63	FG6: Loose / Not properly torqued / Misalignment	Bolts, Nuts, Threaded rods, etc.
64	FG6: Overheating	Ambient temperatures, Component problems, Heavy operations applications, etc.
65	FG6: Fault in welding / Cracks in welding / Flaws	Cracks, Flaws, Penetration errors in welding seams
66	FG6: Broken in pieces / Cracks, general (Excluding welding defects)	Piston rods, Cylinder, Pins, Hydraulic hoses, pipes, Tie rods, Link arms, etc.
67	FG6: Slipping / Play / Worn / Seized / Squeezed / Jammed / Deformation / Misshapen / Malformed	Worn Bushings, Pins, play, Incorrect back lash / Bearing clearance
68	FG6: Contamination / Blocked / Clogged	Metal dust or other foreign objects in oil, systems or components.
69	FG6: Vibration / Unbalance / Abnormal noise	Vibrations (Judder), clogging noise, Cavitation, frictions, etc.
60	FG6: Other	Only to be used if none of the available def codes match
Frame, Springs, Axle Suspension, Undercarriage		
71	FG7: External Leakage (suspension cylinder and gas spring)	Hoses; Pipes; O-rings; Suspension valves/cylinders/accumulators; etc.
72	FG7: Internal Leakage (suspension cylinder and gas spring)	Internal leakage in suspension components and/or associated parts.
73	FG7: Loose / Not properly torqued / Damaged threads	Bolts, Nuts, Threaded rods, etc.
74	FG7: Chrome damage / Pitting / Corrosion / Abrasion / Paint Damage	Shims, Bearings, Bushings, Paint flaking due to poor undercoat, Metal corrosion, Piston rods, Hydraulic hose connectors, etc.
75	FG7: Fault in welding / Cracks in welding / Flaws	Cracks, Flaws, Penetration errors in welding seams
76	FG7: Broken in pieces / Cracks, general (Excluding welding defects)	Piston rods, Cylinder, Pins, Hydraulic hoses, pipes, Tie rods, Link arms, etc.
77	FG7: Play / Worn / Seized / Squeezed / Jammed	Worn Bushings, Pins, play, Incorrect back lash / Bearing clearance
78	FG7: Contamination / Blocked / Clogged	Metal dust or other foreign objects in oil, systems, or components.
79	FG7: Vibration / Unbalance / Abnormal noise	Vibrations (Judder), clogging noise, Cavitation, frictions, etc.
70	FG7: Other	Only to be used if none of the available def codes match
Cab, Climate System, Exterior Trim Parts		

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81	FG8: Damaged: seal / threads / hose / O-ring / pipe	Hoses, Pipes, O-rings, washing pump, AC / heating system etc.
82	FG8: Internal Leakage	Internal leakage in washing pump, AC / heating system and/or associated parts.
83	FG8: Loose / Not properly torqued / Misalignment	Bolts, Nuts, Threaded rods, etc.
84	FG8: Chrome damage / Pitting / Corrosion / Abrasion / Paint Damage	Shims, Bearings, Bushings, Paint flaking due to poor undercoat, Metal corrosion, Piston rods, Hydraulic hose connectors, etc.
85	FG8: Fault in welding / Cracks in welding / Flaws	Cracks, Flaws, Penetration errors in welding seams
86	FG8: Broken in pieces / Cracks, general (Excluding welding defects)	Piston rods, Cylinder, Pins, Hydraulic hoses, pipes, Tie rods, Link arms, etc.
87	FG8: Slipping / Play / Worn / Seized / Squeezed / Jammed / Deformation / Misshapen / Malformed	Worn Bushings, Pins, Play, Incorrect back lash / Bearing clearance
88	FG8: Contamination / Blocked / Clogged	Metal dust or other foreign objects in systems or components.
89	FG8: Vibration / Unbalance / Abnormal noise	Poor climate conditions, Poor cab mounts, Operator seat issues, Cab mounts, ventilation fan, etc.
80	FG8: Other	Only to be used if none of the available def codes match
Hydraulic System, Digging/Handling/Grading Equipment, Misc. Equipment		
91	FG9: Damaged: seal / threads / hose / O-ring / pipe	Hoses, Pipes, O-rings, hydraulic cylinders, valves etc.
92	FG9: Internal Leakage	Internal leakage in hydraulic components and/or associated parts.
93	FG9: Loose / Not properly torqued / Misalignment	Bolts, Nuts, Threaded rods, Seal etc.
94	FG9: Chrome damage / Pitting / Corrosion / Abrasion / Paint Damage	Shims, Bearings, Bushings, Paint flaking due to poor undercoat, Metal corrosion, Piston rods, Hydraulic hose connectors, etc.
95	FG9: Fault in welding / Cracks in welding / Flaws	Cracks, Flaws, Penetration errors in welding seams
96	FG9: Broken in pieces / Cracks, general (Excluding welding defects)	Piston rods, Cylinder, Pins, Hydraulic hoses, pipes, Tie rods, Link arms, etc.
97	FG9: Slipping / Play / Worn / Seized / Squeezed / Jammed / Deformation / Misshapen / Malformed	Worn Bushings, Pins, play, Incorrect back lash / Bearing clearance
98	FG9: Contamination / Blocked / Clogged	Metal dust or other foreign objects in oil, systems or components.
99	FG9: Vibration / Unbalance / Abnormal noise	Hydraulic, Mechanical, Noise due to cavitation, Irregular hydraulic function
90	FG9: Other	Only to be used if none of the available def codes match