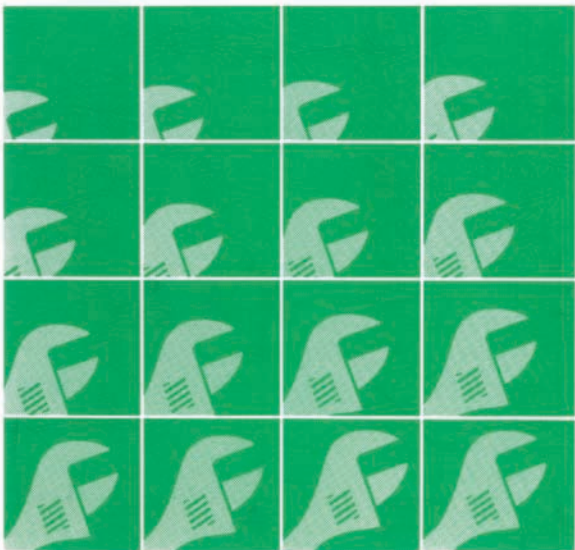




Service Manual

FK.FM 1990



FK.FM

Service Manual

FOREWORD

This service manual contains the instructions for the servicing of the Mitsubishi Fuso FK, FM series trucks. Please make the most of this service manual to perform correct servicing and wasteless operations. Note that some of the contents of this service manual are subject to change owing to improvements, etc. that may be introduced after publication of the service manual.

For more details, consult your local Mitsubishi Fuso Dealers and Distributors.

May 1989

GROUP INDEX

GENERAL	00
MAINTENANCE SCHEDULE	01
ENGINE	11
LUBRICATION	12
FUEL AND ENGINE CONTROL	13
COOLING	14
INTAKE AND EXHAUST	15
ENGINE ELECTRICAL	16
CLUTCH	21
MANUAL TRANSMISSION (M5S5, M6S5)	22A
MANUAL TRANSMISSION (M8S5, M8S2x5)	22B
AUTOMATIC TRANSMISSION	23
PROPELLER SHAFT	25
FRONT AXLE	26
REAR AXLE	27
WHEEL AND TIRE	31
FRONT SUSPENSION	33
REAR SUSPENSION	34
BRAKE (AIR OVER HYDRAULIC BRAKE)	35A
BRAKE (FULL AIR BRAKE)	35B
PARKING BRAKE (CENTER PARKING BRAKE)	36A
PARKING BRAKE (WHEEL PARKING BRAKE)	36B
STEERING	37
FRAME	41
CAB	42
CHASSIS ELECTRICAL	54
AIR CONDITIONER	55A
HEATER	55B

COMPILATION OF THIS MANUAL – GROUP CLASSIFICATION

1. GROUP CLASSIFICATION

This manual is organized into groups as follows:

Group No.	Group Name	Contents
00	General	Exterior views, major specifications, power train table, equipment model notation, performance curves, servicing precautions, standard bolts and nuts tightening torque table, towing precautions, chassis and engine number, vehicle identification number
01	Maintenance schedule	Maintenance schedule table, simple maintenance procedures, lubrication chart, simple lubrication procedures
11	Engine	Troubleshooting, specifications, service standards, special tools, general, engine proper (cylinder head, valve mechanism, camshaft, piston, crankshaft, timing gear, flywheel)
12	Lubrication	Troubleshooting, specifications, service standards, special tools, general, lubrication system (oil pump, oil filter, oil cooler)
13	Fuel and engine control	Troubleshooting, specifications, service standards, special tools, general, fuel system (injection pump, injection nozzle, fuel filter, water separator), engine control (accelerator pedal, fuel control, stop button)
14	Cooling	Troubleshooting, specifications, service standards, special tools, general, cooling system (water pump, thermostat, radiator, fan)
15	Intake and exhaust	Troubleshooting, specifications, service standards, special tools, general, air cleaner, turbocharger, manifold, intercooler
16	Engine electrical	Troubleshooting, specifications, service standards, special tools, general, starter, alternator, glow system
21	Clutch	Troubleshooting, specifications, service standards, special tools, general, clutch proper, clutch pedal, clutch master cylinder, power cylinder, clutch booster, clutch housing, replacement of clutch fluid and bleeding of clutch system, clutch pedal adjustment, lubricating of drive pinion splines
22A	Manual transmission <M5S5, M6S5>	Troubleshooting, specifications, service standards, special tools, general, removal and installation of transmission, transmission assembly, transmission proper (main shaft, counter shaft), gear shifter, rear cover, transmission control
22B	Manual transmission <M8S5, M8S2x5>	Troubleshooting, specifications, service standards, special tools, general, removal and installation of transmission, transmission assembly, transmission proper (main shaft, counter shaft), gear shifter, rear cover, splitter, power shift, transmission control, splitter control
23	Automatic transmission	Troubleshooting, specifications, service standards, special tools, general, removal and installation of automatic transmission, oil seal and speedometer, automatic transmission control system, oil cooler, oil filter, replacement of oil and oil filter
25	Propeller shaft	Troubleshooting, specifications, service standards, special tools, general, propeller shaft, center bearing, universal joint
26	Front axle	Troubleshooting, specifications, service standards, special tools, general, front axle, kingpin, knuckle, wheel hub, brake drum
27	Rear axle	Troubleshooting, specifications, service standards, special tools, general, rear axle, reduction and differential, wheel hub, brake drum
31	Wheel and tire	Troubleshooting, specifications, service standards, general, tire, disc wheel
33	Front suspension	Troubleshooting, special tools, specifications, service standards, general, leaf springs, shock absorber
34	Rear suspension	Troubleshooting, special tools, specifications, service standards, general, leaf springs
35A	Brake (air over hydraulic brake)	Troubleshooting, specifications, service standards, special tools, general, service brake (dual brake valve, brake booster, wheel brake (wheel cylinder, brake drum, brake shoe)), exhaust brake (exhaust brake valve, control cylinder)
35B	Brake (full air brake)	Troubleshooting, specifications, service standards, special tools, general, service brake (dual brake valve, relay valve, quick release valve, slack adjuster, brake chamber, wheel brake (brake drum, brake shoe)), exhaust brake (exhaust brake valve, control cylinder)
36A	Parking brake (center parking brake)	Troubleshooting, special tools, specifications, service standards, general, parking brake, parking brake control
36B	Parking brake (wheel parking brake)	Troubleshooting, service standards, general, spring brake control valve, spring brake valve

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