



Service Manual

K21, K25 Gasoline Engine

**For use with FGC15N-FGC33N
Chassis Service Manual.**

99789-55120

FOREWORD

This service manual covers K21 and K25 Gasoline Engines installed in Mitsubishi Forklift Trucks and gives detailed maintenance and repair information. For your convenience the instructions are grouped by systems as a ready reference.

The long productive life of your forklift truck(s) depends on regular and proper servicing—servicing consistent with what you will learn by reading this service manual. Read the respective sections of this manual carefully and familiarize yourself with all of the components before attempting to start a test, repair or rebuild job.

All descriptions, illustration, specifications, and serial numbers in this manual are effective as of the printing date of this manual. Mitsubishi Forklift Trucks reserves the right to change specifications or design without notice and without incurring obligation.

GROUP INDEX

GROUP INDEX	Items
GI GENERAL INFORMATION	HOW TO USE THIS MANUAL, PRECAUTIONS FOR SAFETY AND QUALITY, PRECAUTIONS, TIGHTENING TORQUE, SPECIAL SERVICE TOOLS, ENGINE OUTSIDE DRAWINGS, MAIN SPECIFICATIONS, STANDARD AND REPAIR LIMIT, STAMPED LOCATION OF ENGINE NO., TROUBLE DIAGNOSIS
MA MAINTENANCE	ENGINE MAINTENANCE
ET ENGINE TUNE-UP	SPECIFICATIONS, TIGHTENING TORQUE, TROUBLE DIAGNOSIS, ENGINE INSPECTION AND ADJUSTMENT
EM ENGINE MECHANICAL	PRECAUTIONS, ENGINE OUTSIDE DRAWINGS, MAIN SPECIFICATIONS, ADJUSTMENT VALUE, TIGHTENING TORQUE, TROUBLE DIAGNOSIS, SPECIAL SERVICE TOOLS, REMOVAL AND INSTALLATION OF ENGINE, ENGINE SERVICE
EC ENGINE CONTROL	PRECAUTIONS, PREPARATION, DESCRIPTION, TROUBLE DIAGNOSIS, BASIC INSPECTION, COMPONENT PARTS INSPECTION, PCV GAS RECIRCULATION DEVICE, ECM COMPONENTS
LC ENGINE LUBRICATION & COOLING SYSTEM	LUBRICATION SYSTEM, ENGINE COOLANT SYSTEM
EF ENGINE FUEL	EMISSION CONTROL SYSTEM, ENGINE OUTSIDE DRAWINGS, SYSTEM DIAGRAM, UNIT LAYOUT, SERVICE DATA AND SPECIFICATIONS (SDS), LPG FUEL SYSTEM TROUBLE DIAGNOSIS, DISASSEMBLY AND ASSEMBLY OF FUEL SYSTEM, DISASSEMBLY AND ASSEMBLY OF INJECTOR HOLDER, DISASSEMBLY AND ASSEMBLY OF VAPORIZER
EE ENGINE ELECTRICAL	ADJUSTMENT VALUE, TROUBLE DIAGNOSIS, STARTER MOTOR, ALTERNATOR

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