



Service Manual

K15, K21, K25 Gasoline Engine

K15

K21

K25

For use with FG10N-FG35AN, FGE10N-FGE35AN
Chassis Service Manual.

99789-77100

FOREWORD

This service manual covers K15, K21 and K25 Gasoline Engine of Mitsubishi Forklift Trucks and gives detailed maintenance and repair information. The instructions are grouped by systems to serve the convenience of your ready reference.

Long productive life of your forklift trucks depends to a great extent on correct servicing – the servicing consistent with what you will learn from this service manual. We hope you read the respective sections of this manual carefully and know all the components you will work on before attempting any work.

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

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| 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, SPECIAL SERVICE TOOLS FOR CARBURETOR MODEL |
| 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 (ELECTRIC CONTROLLED SPECIFICATION), 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 VAPORIZER, VAPORIZER MECHANISM AND OPERATION |
| EE ENGINE ELECTRICAL | ADJUSTMENT VALUE, TROUBLE DIAGNOSIS, DISTRIBUTOR (CARBURETOR TYPE), STARTER MOTOR, ALTERNATOR |

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