



SERVICE MANUAL

V3600-TIE5B DIESEL ENGINE

FD60N3	4C4 00110-UP
FD70N3	4C5 00110-UP
FD80N3	4C6 00110-UP
FD100N3	4C7 00110-UP

SMEEB-J04C4-200

FOREWORD

(Please be sure to read this)

This Service Manual was written to provide information on the system mechanisms, servicing and maintenance of the Kubota V3600-TIE5B engine.

It is essential to maintain Kubota V3600-TIE5B engine properly in order to keep it up and running for a long period of time. We hope this manual will be helpful in your service operation.

This manual consists of the following five parts: SAFETY, GENERAL, MAINTENANCE, ENGINE, SERVING.

Configuration	Contents
SAFETY	■SAFETY FIRST
GENERAL	■GENERAL WORKING PRECAUTIONS
	■GENERAL MACHINE INFORMATION
	■SPECIAL TOOLS
MAINTENANCE	■MAINTENANCE CHECK LIST
	■CHECK AND MAINTENANCE
ENGINE	■MECHANISM
SERVING	■TROUBLESHOOTING
	■SERVICING SPECIFICATIONS
	■TIGHTENING TORQUES
	■CHECKING AND ADJUSTING
	■DISASSEMBLING
	■ASSEMBLING
	■SERVICING

For information about how to diagnose the engine, refer to the "V3600-TIE5B Engine Troubleshooting Manual (Book No. TMEEB-J04C4-300)".

This Service Manual has been compiled based on the information available from Kubota Corporation as of the time of publication. The right is reserved to make changes in specifications and methods at any time without notice.

The V3600-TIE5B engine is installed on the following forklift truck models. Read this manual while referring to the service manual for the appropriate truck model.

Truck model	Engine model
FD60N3	V3600-TIE5B
FD70N3	
FD80N3	
FD100N3	
FD100N3	

⚠ CAUTION

Do not change or modify the engine components or wiring without permission; otherwise the engine might fail to operate normally or the wiring might develop problems leading to a fire.

October 2020

MITSUBISHI LOGISNEXT CO., LTD.

Mitsubishi Troubleshooting Guide

J Ma



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Macintosh Troubleshooting Pocket Guide for Mac OS David Lerner, Aaron Freimark, Tekserve Corporation, 2002-11-20 Provides advice for beginning and experienced Macintosh users facing a range of hardware and software problems covering topics including crashes printers SCSI devices memory viruses and file sharing

Troubleshooting Manufacturing Processes LaRoux K. Gillespie, 1988 *User's Guide*, 1994

Electronic Troubleshooting and Repair Handbook Homer L. Davidson, 1995 *Absolute Beginner's Guide to Upgrading and Fixing Your PC* Michael Miller, 2003 A guide to upgrading and fixing common problem on a PC covers such topics a upgrading memory adding hard drives installing printers and scanners and replacing sound cards

Gale's Auto Sourcebook, 1992 Guide to information on cars and light trucks

A Comprehensive Guide to Fixing Your Air Conditioning Charles Nehme, Welcome to Mastering Air Conditioner Repair A Comprehensive Guide to Fixing Your Cooling System In a world where comfort and convenience are paramount air conditioning has become an integral part of our daily lives Whether you reside in a scorching summer climate or need to maintain optimal conditions for a commercial space a well functioning air conditioner is essential This book aims to equip you with the knowledge and skills required to troubleshoot and repair common issues that can arise with your air conditioning unit While many people rely on professional technicians to handle such matters learning how to fix your air conditioner can not only save you time and money but also provide a sense of empowerment and self reliance Throughout the pages that follow we will delve into the inner workings of air conditioning systems exploring the intricate mechanisms responsible for keeping your environment cool and comfortable From understanding the basics of refrigeration cycles to diagnosing common problems and performing necessary repairs this guide will serve as your indispensable companion However before diving into the technical aspects it is crucial to emphasize the importance of safety Working on air conditioning systems involves handling electrical components refrigerants and complex machinery Therefore it is essential to exercise caution and adhere to safety guidelines at all times If you are uncertain or uncomfortable with any aspect of the repair process it is recommended to seek professional assistance Remember this book serves as a starting point for your journey towards becoming an air conditioner repair expert It is designed to provide you with the foundational knowledge required to tackle common issues effectively However each situation may present its own unique challenges and it is important to exercise critical thinking and problem solving skills to address them By mastering the art of air conditioner repair you can not only extend the lifespan of your cooling system but also minimize energy consumption reduce environmental impact and enhance the overall efficiency of your unit Whether you are a homeowner a business owner or simply an enthusiast eager to explore the inner workings of these incredible machines this guide will be your key to a more comfortable and sustainable future So let us embark on this journey together armed with knowledge determination and a passion for making our air conditioning systems work at their best Prepare to unlock the secrets behind cooling technology and acquire the skills necessary to fix

your air conditioner with confidence The cool breeze of success awaits you **InfoWorld** ,1993-07-26 InfoWorld is targeted to Senior IT professionals Content is segmented into Channels and Topic Centers InfoWorld also celebrates people companies and projects *Motor Imported Car Repair Manual* ,1983 Crown's Diesel Repair Manual Morton J. Schultz,1984

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PC Mag ,1989-06-27 PCMag com is a leading authority on technology delivering Labs based independent reviews of the latest products and services Our expert industry analysis and practical solutions help you make better buying decisions and get more from technology **Popular Mechanics** ,1986-02 Popular Mechanics inspires instructs and influences readers to help them master the modern world Whether it s practical DIY home improvement tips gadgets and digital technology information on the newest cars or the latest breakthroughs in science PM is the ultimate guide to our high tech lifestyle

Power Plant Instrumentation and Control Handbook Swapan Basu,Ajay Kumar Debnath,2014-11-04 The book discusses instrumentation and control in modern fossil fuel power plants with an emphasis on selecting the most appropriate systems subject to constraints engineers have for their projects It provides all the plant process and design details including specification sheets and standards currently followed in the plant Among the unique features of the book are the inclusion of control loop strategies and BMS FSSS step by step logic coverage of analytical instruments and technologies for pollution and energy savings and coverage of the trends toward field bus systems and integration of subsystems into one network with the help of embedded controllers and OPC interfaces The book includes comprehensive listings of operating values and ranges of parameters for temperature pressure flow level etc of a typical 250

500 MW thermal power plant Appropriate for project engineers as well as instrumentation control engineers the book also includes tables charts and figures from real life projects around the world Covers systems in use in a wide range of power plants conventional thermal power plants combined cogen plants supercritical plants and once through boilers Presents practical design aspects and current trends in instrumentation Discusses why and how to change control strategies when systems are updated changed Provides instrumentation selection techniques based on operating parameters Spec sheets are included for each type of instrument Consistent with current professional practice in North America Europe and India

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