CEAM017300

Operation & Maintenance Manual

CK35-1

COMPACT TRACK LOADER

SERIAL NUMBERS **CK35-1** **A40001** and UP

June 2006

KOMATSU®

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CONTENTS

INTRODUCTION

FOREWORD 0-2
SAFETY INFORMATION 0-3
APPROVED AND NON APPROVED USES 0-5
APPROVED 0-5
NON APPROVED 0-5
PRODUCT INFORMATION 0-6
MAIN FEATURES 0-6
BREAK IN PERIOD 0-6
SYNTHETIC BIODEGRADABLE OIL TYPES 0-6
PRODUCT IDENTIFICATION 0-7
MACHINE SERIAL NUMBER 0-7
MACHINE IDENTIFICATION PLATE AND PRODUCT IDENTIFICATION NUMBER (PIN) 0-7
ENGINE SERIAL NUMBER AND EMISSION PLATE 0-8
TRAVEL REDUCTION GEAR SERIAL NUMBER 0-8
CAB SERIAL NUMBER 0-8
SERIAL NUMBERS AND DISTRIBUTOR INFORMATION 0-9
MODEL: CK35-1 0-9
CONTENTS 0-10

SAFETY

SAFETY AND WARNING DECALS 1-2
LOCATION OF THE SAFETY DECALS 1-2
SAFETY PLATES FOR MACHINES WITH EXCAVATOR 1-4
DECALS DEFINED 1-6
SAFETY RULES AND PRECAUTIONS 1-10
GENERAL SAFETY RULES 1-10
SAFETY FEATURES 1-11
PERSONAL PROTECTIVE EQUIPMENT 1-11
UNAUTHORIZED MODIFICATIONS 1-12
LEAVING THE OPERATOR'S SEAT 1-12
MOUNTING AND DISMOUNTING 1-13
CHECKING THE REAR-VIEW MIRRORS (IF INSTALLED) 1-13
FIRE PREVENTION FOR FUEL AND OIL 1-14
PREVENTING BURNS 1-14
DUST HAZARD PRECAUTIONS 1-15
PREVENTING ACCIDENTS CAUSED BY IMPROPER OPERATION OF THE WORK EQUIPMENT 1-15
FIRE EXTINGUISHER AND FIRST AID KIT 1-15
PRECAUTIONS CONCERNING THE CAB STRUCTURE 1-16
PRECAUTIONS CONCERNING THE EQUIPMENT 1-16
PRECAUTIONS BEFORE STARTING THE ENGINE 1-17
SAFETY ON THE WORK SITE 1-17
FIRE PREVENTION 1-17
PRECAUTIONS TO BE TAKEN FOR THE OPERATOR'S CAB 1-17

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ROOM VENTILATION 1-18
PRECAUTIONS TO BE TAKEN FOR THE LIGHTS (IF INSTALLED) 1-18
CLEANING THE WINDOWS AND THE REAR-VIEW MIRRORS - CHECKING THE WIND-SHIELD WIPER BLADES 1-18
PRECAUTIONS TO BE TAKEN WHEN WORKING 1-19
STARTING THE ENGINE 1-19
RULES FOR TRAVELING IN REVERSE 1-19
MOVING THE MACHINE 1-19
WORKING ON SLOPES 1-20
PREVENTING ELECTROCUTION 1-21
VISIBILITY 1-22
WORKING ON ICY OR SNOW-COVERED SURFACES 1-22
PREVENTING ACCIDENTS CAUSED BY THE IMPROPER OPERATION OF THE WORK EQUIPMENT 1-22
WORKING ON LOOSE GROUND 1-22
PARKING THE MACHINE 1-23
TRANSPORTING THE MACHINE 1-24
LOADING AND UNLOADING THE MACHINE 1-24
THE ROUTE 1-24
BATTERY 1-25
SAFETY PRECAUTIONS FOR WORK ON 1-25
BATTERIES 1-25
STARTING WITH BOOSTER CABLES 1-25
PRECAUTIONS FOR EMERGENCY RECOVERY 1-26
PRECAUTIONS DURING MAINTENANCE 1-28
WARNING TAGS 1-28
TOOLS 1-28
PERSONNEL 1-29
EQUIPMENT STORAGE 1-29
WORKING UNDER THE MACHINE 1-29
KEEPING THE MACHINE CLEAN 1-29
ENGINE OPERATION DURING MAINTENANCE 1-30
CRITICAL PARTS 1-30
STOP THE ENGINE BEFORE CARRYING OUT ANY MAINTENANCE OPERATION OR INSPECTION 1-30
RULES FOR REFUELING THE MACHINE 1-31
COOLING SYSTEM PRECAUTIONS 1-31
USING LAMPS 1-31
ELECTRICAL PRECAUTIONS 1-32
PRECAUTIONS CONCERNING THE STARTER 1-32
PRECAUTIONS CONCERNING HIGH PRESSURE HOSES 1-33
PRECAUTIONS FOR WORKING ON HIGH PRESSURE SYSTEMS 1-33
PRECAUTIONS FOR MAINTENANCE WORK INVOLVING HIGH TEMPERATURES AND PRESSURES 1-33
ROTATING PARTS 1-33
PRECAUTIONS TO BE TAKEN WHEN USING HIGH-PRESSURE GREASE TO ADJUST THE RUBBER TRACK TENSION 1-34
DO NOT REMOVE THE SHOCK ABSORBING SPRING FROM THE SHOCK ABSORBER UNIT 1-34

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HYDRAULIC ACCUMULATOR 1-34
DISPOSAL OF WASTE MATERIALS 1-35
HYDRAULIC ENVIRONMENTAL ESTER SYNTHETIC (HEES) OIL 1-35

OPERATION

SAFETY LOCKS 2-2
LOADER ARM SUPPORT 2-2
EXCAVATOR LOCKS 2-4
COLD PLANER LOCK 2-6
GENERAL VIEWS 2-7
FRONT VIEW OF MACHINE 2-7
REAR VIEW OF MACHINE 2-8
INSIDE VIEW OF CAB 2-9
INSTRUMENTS AND CONTROLS 2-11
INSTRUMENTS 2-11
HOUR METER 2-11
ENGINE COOLANT TEMPERATURE INDICATOR 2-12
FUEL LEVEL INDICATOR 2-12
INDICATOR LIGHTS 2-13
ALTERNATOR WARNING LIGHT 2-13
PREHEATING WARNING LIGHT 2-14
ENGINE OIL PRESSURE WARNING LIGHT 2-14
AIR CLEANER CLOGGING WARNING LIGHT 2-14
HYDRAULIC OIL FILTER CLOGGING WARNING LIGHT 2-14
PARKING BRAKE WARNING LIGHT 2-15
SPEED INCREASE INDICATOR LIGHT 2-15
FLOAT SWITCH INDICATOR LIGHT 2-15
DIRECTION INDICATOR LIGHT 2-15
WORKING LIGHT INDICATOR LIGHT 2-16
SAFETY DEVICE FUNCTIONALITY CONTROL UNIT 2-16
SWITCHES AND PUSH BUTTONS 2-18
PARKING BRAKE PUSH BUTTON 2-19
ROTATING BEACON LIGHT SWITCH 2-19
LEFT STABILIZER BUTTON (IF INSTALLED) 2-20
RIGHT STABILIZER BUTTON (IF INSTALLED) 2-20
WORKING LIGHT SWITCH 2-20
EMERGENCY (HAZARD) SWITCH (IF INSTALLED) 2-20
PARKING LIGHT AND LOW BEAM SWITCH 2-21
DIRECTION INDICATOR SWITCH 2-21
IGNITION SWITCH 2-21
HORN 2-21
FRONT EQUIPMENT HIGH FLOW HYDRAULIC SYSTEM MOMENTARY SWITCH (3 LINES)(IF INSTALLED) 2-22
FRONT EQUIPMENT SUPER FLOW HYDRAULIC SYSTEM CONTINUOUS SWITCH (5 LINES)(IF INSTALLED) 2-22
SPEED INCREASE BUTTON 2-22
FLOATING DEVICE SWITCH (IF INSTALLED) 2-22
SEAT OVERRIDE SWITCH 2-23

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AUXILIARY HYDRAULIC KIT CONTROL PEDAL (IF INSTALLED)

⚠ WARNING

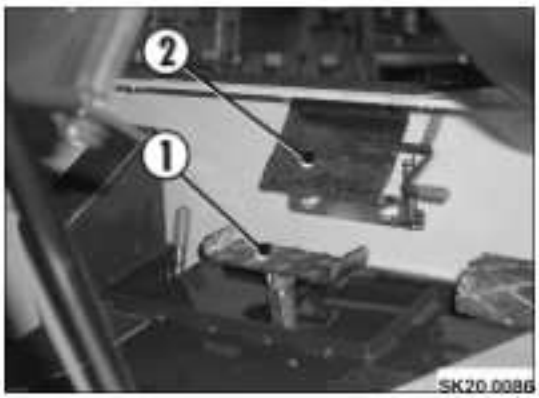
Always engage the safety guard (2) when use of the control is not required, during travel, and when parking the machine. When connecting a hydraulic attachment, make sure the control pedal (1) is always in the neutral or horizontal position Ⓐ and covered with the safety guard.

Never set the control pedal to the maximum flow position Ⓑ unless the machine is stopped, the safety bar is in the lowered position, and the operator is seated with the seat belt fastened.

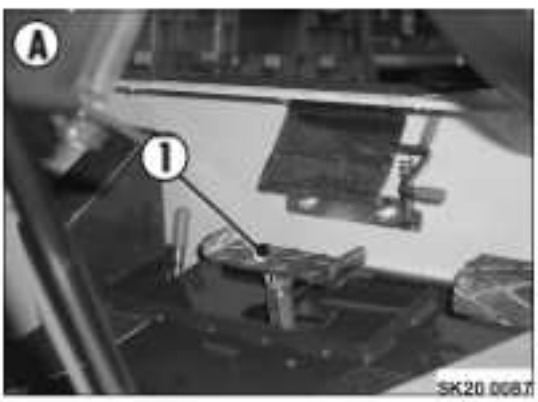
The pedal (1) controls the starting and stopping of the oil flow to the attachment and has three fixed positions (Ⓛ applied, neutral, and Ⓡ applied).

⚠ WARNING

To apply the pedal (1), lift the safety guard (2).



1 - Neutral or horizontal position Ⓐ (HYDRAULIC CIRCUIT CLOSED).
No flow provided to the attachment.



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FIRST 250 HOURS OF OPERATION

Perform the following maintenance after the first 250 hours, together with those to be initiated EVERY 250 HOURS.

★ HYDRAULIC OIL DRAIN FILTER

For details on the various maintenance operations,

★ See "EVERY 500 HOURS OF OPERATION" on page 3-22.

EVERY 250 HOURS OF OPERATION

These operations must be carried out together with those to be carried out See "EVERY 50 HOURS OF OPERATION" on page 3-21.

FAN BELT TENSION

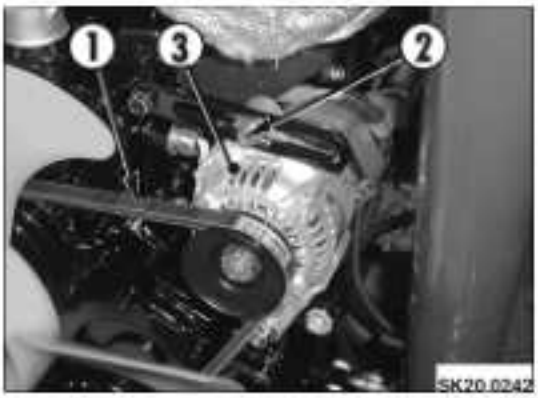
The fan belt can be reached after opening the engine hood, See "ENGINE HOOD" on page 2-51

The test is manual: press the belt ① with your thumb on the indicated point with a force equal to about 10 kg (22 lb.) N; the resulting deflection must be about 10 to 15 mm (0.4-0.6 in). If the deflection exceeds this value, loosen the bolt ② that fastens the alternator ③ and, with a lever inserted between the engine block and casing, move the alternator. Lock the bolt and check again. Use a 12 mm wrench.

A Fan pulley

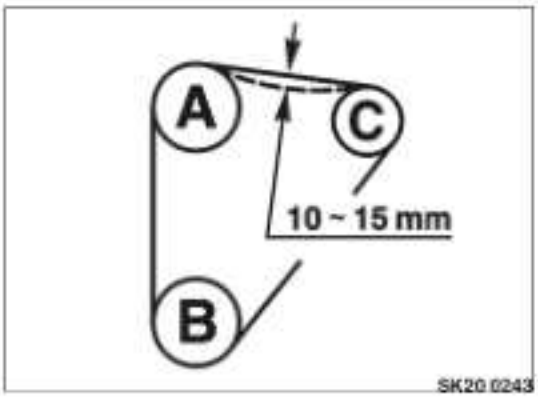
B Driving shaft puller

C Alternator pulley



⚠ WARNING

If the belt is worn, replace it and check the tension again after a few hours of operation.



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TECHNICAL SPECIFICATIONS

TOTAL WEIGHT	
Max. with L 2030 standard bucket and 450 mm(1'6") track	4320 kg (9504 lb)
Max. with L 1880 standard bucket and 320 mm(1'1") track	4300 kg (9460 lb)
Max. total mass with E35-2 excavator and 450 mm(1'6") track	5160 kg (11,352 lb)
Max. total mass with asphalt cutter and 450 mm(1'6") track	5150 kg (11,330 lb)

BUCKET CAPACITY	
Standard bucket L 20300 (SAE)	0.448 cu.m. (0.586 cu.yd.)
Narrow bucket L 1880 (SAE)	0.415 cu.m. (0.543 cu.yd.)

ENGINE	
Komatsu diesel engine model	S4D98E-2NFE
Rated power (2500 rpm EEC 80/1269)	64 kW (85.8 HP)
Maximum torque (1600 rpm EEC 80/1269)	286 Nm (211 lb.ft)

ELECTRICAL SYSTEM	
Alternator	12 V
Electrical output	40 A
Ground	Negative
Battery	100 Ah-12 V
Starter	3.0 kW (4.02 HP)

SPEED				
FORWARD			REVERSE	
GEARS	1	2	1	2
km/h	5.88	9.89	5.88	9.89
MPH	3.65	6.145	3.65	6.145

RUBBER TRACKS	
SIZE	MAKE
STANDARD TRACK WIDTH	450 MM (1'6")
OPTIONAL TRACK WIDTH	320 MM (1'1")

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