Operation & Maintenance Manual

SEAM059901T

[redacted]

GALEO D155AX-5

BULLDOZER

SERIAL NUMBERS 76001 and up

WARNING

Unsafe use of this machine may cause serious injury or death. Operators and maintenance personnel must read this manual before operating or maintaining this machine. This manual should be kept near the machine for reference and periodically reviewed by all personnel who will come into contact with it.

NOTICE

Komatsu has Operation & Maintenance Manuals written in some other languages. If a foreign language manual is necessary, contact your local distributor for availability.

KOMATSU®

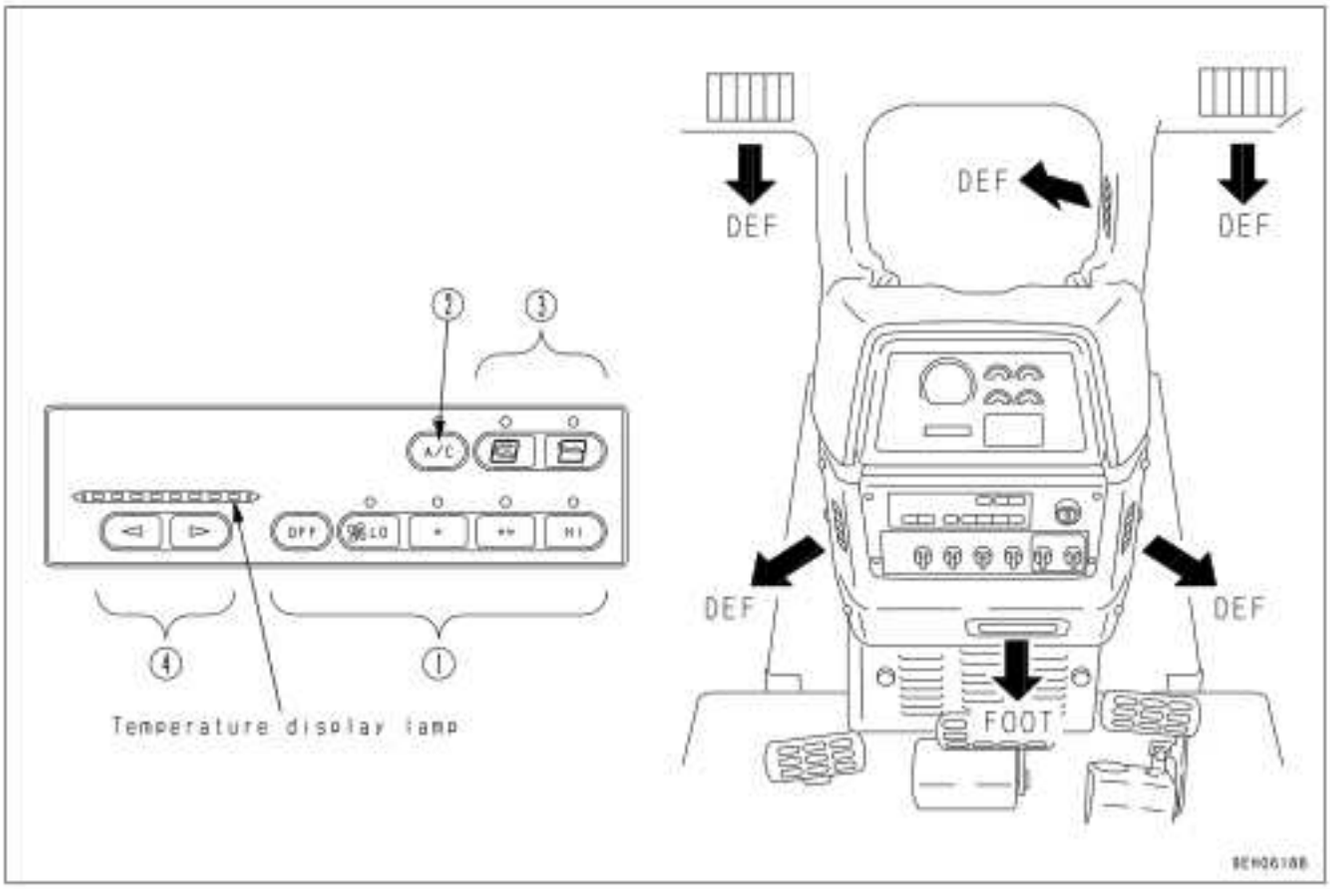
MidWestTech | Komatsu Galeo D155AX-5 Bulldozer Operation & Maintenance Manual | Pu... Order the manual at mid-west-tech.com >

OPERATIONS AND CHECKS AFTER STARTING ENGINE ---- 3- 91
STOPPING ENGINE ---- 3- 94
MOVING MACHINE OFF ---- 3- 95
STOPPING MACHINE ---- 3- 97
SHIFTING GEAR ---- 3- 98
SHIFTING BETWEEN FOEWARD AND REVERSE ---- 3-102
STEERING MACHINE ---- 3-104
PRECAUTIONS FOR OPERATION ---- 3-106
PARKING MACHINE ---- 3-108
CHECK AFTER STOPPING ENGINE ---- 3-109
CHECK AFTER FINISHING WORK ---- 3-110
LOCKING ---- 3-110
RIPPER OPERATION ---- 3-111
OPERATING METHOD FOR RIPPING OPERATIONS ---- 3-113
WORK POSSIBLE USING BULLDOZER ---- 3-118
ADJUSTING POSTURE OF WORK EQUIPMENT ---- 3-120
TIPS FOR LONGER UNDERCARRIAGE LIFE ---- 3-126
TRANSPORTATION ---- 3-130
LOADING, UNLOADING WORK ---- 3-130
PRECAUTIONS FOR LOADING ---- 3-130
METHOD OF LIFTING MACHINE ---- 3-131
PRECAUTIONS FOR TRANSPORTATION ---- 3-132
TRAVELING ON ROADS ---- 3-132
REMOVAL OF CAB ---- 3-133
COLD WEATHER OPERATION ---- 3-135
PRECAUTIONS FOR LOW TEMPERATURE ---- 3-135
AFTER COMPLETION OF WORK ---- 3-137
AFTER COLD WEATHER ---- 3-137
LONG-TERM STORAGE ---- 3-138
BEFORE STORAGE ---- 3-138
DURING STORAGE ---- 3-138
AFTER STORAGE ---- 3-138
TROUBLESHOOTING ---- 3-139
AFTER RUNNING OUT OF FUEL ---- 3-139
METHOD OF TOWING MACHINE ---- 3-141
IF BATTERY IS DISCHARGED ---- 3-142
OTHER TROUBLE ---- 3-146
MAINTENANCE ---- 4- 1
GUIDES TO MAINTENANCE ---- 4- 2
OUTLINES OF SERVICE ---- 4- 5
HANDLING OIL, FUEL, COOLANT, AND PERFORMING OIL CLINIC ---- 4- 5
OUTLINE OF ELECTRIC SYSTEM ---- 4- 8
HANDLING HYDRAULIC RELATED EQUIPMENT ---- 4- 8
WEAR PARTS LIST ---- 4- 9
WEAR PARTS LIST ---- 4- 9
USE OF FUEL, COOLANT AND LUBRICANTS ACCORDING TO AMBIENT TEMPERATURE ---- 4- 10
PERIODIC REPLACEMENT OF SAFETY CRITICAL PARTS ---- 4- 14
SAFETY CRITICAL PARTS ---- 4- 14
STANDARD TIGHTENING TORQUES FOR BOLTS AND NUTS ---- 4- 16
TORQUE LIST ---- 4- 16

MidWestTech | Komatsu Galeo D155AX-5 Bulldozer Operation & Maintenance Manual... Order the manual at mid-west-tech.com >

AIR CONDITIONER

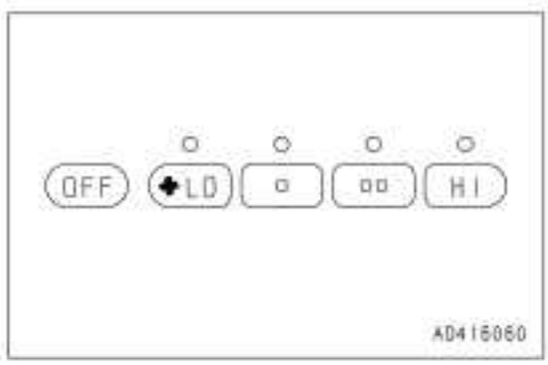
GENERAL LOCATIONS AND FUNCTION OF CONTROL PANEL



(1) Fan switch
(2) Air conditioner switch
(3) Fresh/recirc selector switch
(4) Temperature control switch

FAN SWITCH

This switch (1) can be used to adjust the air flow in four stages.
It also acts as the main switch for the air conditioner. When the OFF switch is pressed, the fan stops.
When the switch is pressed, the indicator lamp above the switch lights up to display the air flow.



MidWestTech | Komatsu Galeo D155AX-5 Bulldozer Operation & Maintenance Manual... Order the manual at mid-west-tech.com >

EVERY 500 HOURS SERVICE

Maintenance for every 250 hours should be performed at the same time.

REPLACE FUEL FILTER CARTRIDGE

⚠ WARNING

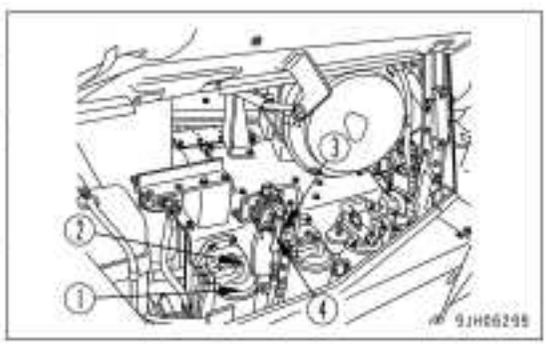
- After the engine has been operated, all parts are at high temperature, so do not replace the filter immediately. Wait for all parts to cool down before starting the operation.
- High pressure is generated inside the engine fuel piping system when the engine is running.
  When replacing the filter, wait for at least 30 seconds after stopping the engine to let the internal pressure go down before replacing the filter.
- Do not bring any fire or flame close.

NOTICE

- Genuine Komatsu fuel filter cartridges use a special filter that has highly efficient filtering ability. When replacing the filter cartridge, always use a genuine Komatsu part.
- The common rail fuel injection system used on this machine consists of more precise parts than the conventional injection pump and nozzle.
  If any part other than a genuine Komatsu filter cartridge is used, dust or dirt may get in and cause problems with the injection system. Always avoid using substitute parts.
- When carrying out inspection or maintenance of the fuel system, pay more attention than normal to the entry of dirt. If dirt is stuck to any part, use fuel to wash it off completely.

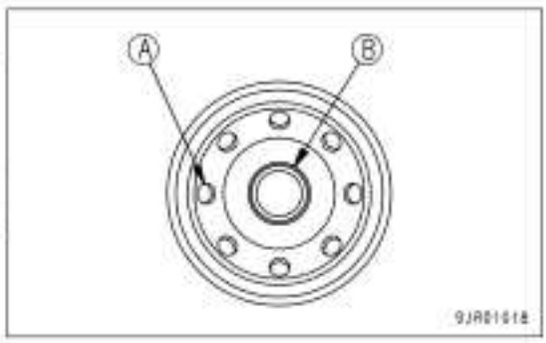
- Container to catch the oil
- Filter wrench

1. Set the container to catch the fuel under the filter cartridge.
   - The fuel filter is found by opening the engine side cover at the left of the machine.
2. Using a filter wrench, turn filter cartridge (1) counterclockwise to remove it.
3. Clean the filter holder, fill the new filter cartridge with clean fuel, coat the packing surface thinly with engine oil, then install to the filter holder.



NOTICE

- When adding fuel, do not remove cap (B). Always add fuel from the 8 small holes (A) on the dirty side.
- After adding fuel, remove cap (B) and install the fuel filter.
- Always fill with clean fuel. Be careful not to let any dirt or dust get into the fuel. In particular, center portion is the clean side, so do not remove cap (B) when adding fuel. Be careful not to let dirt or dust get into center portion on the clean side.

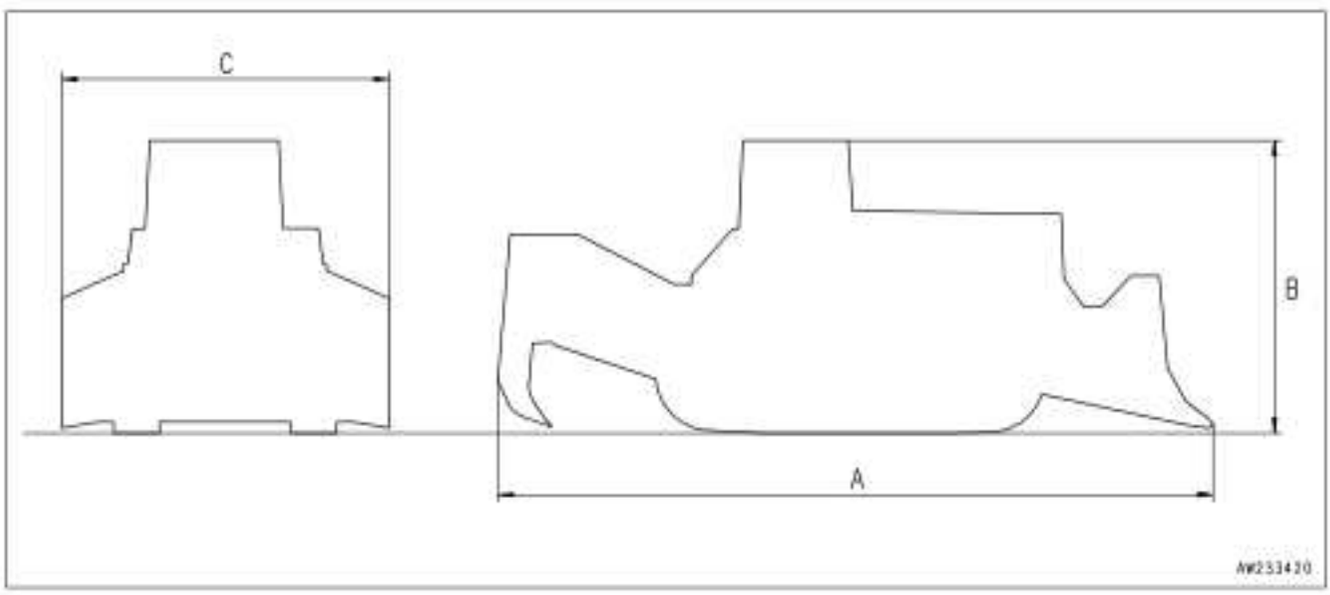


MidWestTech | Komatsu Galeo D155AX-5 Bulldozer Operation & Maintenance Manual... Order the manual at mid-west-tech.com >

SPECIFICATIONS

	Item		Unit	D155AX-5
	Operating weight (without operator)		kg(lb)	39,500 (87,098) *1
	Blade (straight tiltdozer) Unit weight (including cylinder)		kg(lb)	4,900 (10,805)
	Ripper unit weight		kg(lb)	3,710 (8,181)
	Name of engine		-	Komatsu SA6D140E-3 diesel engine
	Engine horsepower		Kw(HP)/rpm	231(310)/1,900
A	Overall length		mm(ft in)	8,155 (26' 9")
B	Overall height		mm(ft in)	3,500 (11' 6")
C	Overall width		mm(ft in)	3,955 (12' 12")
	Travel speed (1st/2nd/3rd)	Forward	km/h(MPH)	3.5/6.2/10.8 (2.2/3.9/6.7)
		Reverse	km/h(MPH)	4.8/8.4/13.9 (3.0/5.2/8.6)

*1: Hydraulic tiltdozer (semi U-dozer)
With hydraulic variable multi-shank ripper, ROPS, cab, 560 mm (22.1 in) HD shoe, side cover, air conditioner.



MidWestTech | Komatsu Galeo D155AX-5 Bulldozer Operation & Maintenance Manual... Order the manual at mid-west-tech.com >