TEN00483-03

Operation & Maintenance Manual

BULLDOZER

D475A-5E0

SERIAL NUMBERS 30134 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 D475A-5E0 Bulldozer Operation & Maintenance Manual | Publicat... Order the manual at mid-west-tech.com >

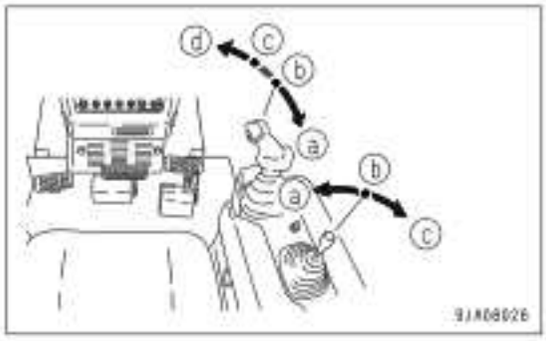
DOOR OPEN LOCK ---- 3- 56
SASH GLASS INTERMEDIATE LOCK ---- 3- 56
CAP WITH LOCK ---- 3- 57
DOOR POCKET ---- 3- 58
ASHTRAY ---- 3- 59
TOOL BOX ---- 3- 59
CLEAN INTERIOR OF CAB ---- 3- 59
CAR STEREO, HANDLING ---- 3- 60
AIR CONDITIONER, HANDLING ---- 3- 69
BATTERY DISCONNECT SWITCH ---- 3- 86
OPERATION ---- 3- 87
CHECK BEFORE STARTING ENGINE, ADJUST ---- 3- 87
STARTING ENGINE ---- 3-110
OPERATIONS AND CHECKS AFTER STARTING ENGINE ---- 3-118
STOPPING ENGINE ---- 3-121
MOVING MACHINE ---- 3-122
STOPPING MACHINE ---- 3-124
SHIFTING GEAR ---- 3-125
SHIFTING BETWEEN FORWARD AND REVERSE ---- 3-130
STEERING MACHINE ---- 3-132
PRECAUTIONS FOR OPERATION ---- 3-134
PARKING MACHINE ---- 3-137
CHECK AFTER STOPPING ENGINE ---- 3-138
CHECK AFTER FINISHING WORK ---- 3-139
LOCKING ---- 3-139
WORK POSSIBLE USING BULLDOZER ---- 3-140
EFFECTIVE USE OF MODE SELECTION SYSTEM ---- 3-142
RIPPER OPERATION ---- 3-147
OPERATING METHOD FOR RIPPING OPERATIONS ---- 3-150
ADJUSTING POSTURE OF WORK EQUIPMENT ---- 3-155
TIPS FOR LONGER UNDERCARRIAGE LIFE ---- 3-158
TRANSPORTATION ---- 3-160
TRANSPORTATION PROCEDURE ---- 3-160
LOADING, UNLOADING WORK ---- 3-160
METHOD OF LIFTING MACHINE ---- 3-163
TRAVELING ON ROADS ---- 3-164
REMOVAL OF CAB ---- 3-165
INSTALLATION OF CAB ---- 3-168
INSTALLATION OF ROPS ---- 3-169
COLD WEATHER OPERATION ---- 3-170
PRECAUTIONS FOR LOW TEMPERATURE ---- 3-170
AFTER COMPLETION OF WORK ---- 3-172
AFTER COLD WEATHER ---- 3-172
LONG-TERM STORAGE ---- 3-173
BEFORE STORAGE ---- 3-173
DURING STORAGE ---- 3-173
AFTER STORAGE ---- 3-173
STARTING MACHINE AFTER LONG-TERM STORAGE ---- 3-173
TROUBLESHOOTING ---- 3-174
AFTER RUNNING OUT OF FUEL ---- 3-174

MidWestTech | Komatsu D475A-5E0 Bulldozer Operation & Maintenance Manual | Pu... Order the manual at mid-west-tech.com >

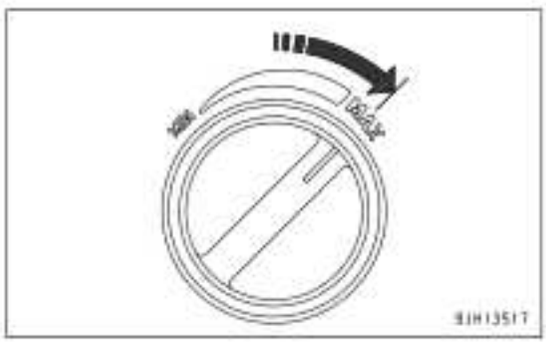
METHOD OF TOWING MACHINE ---- 3-174
IF BATTERY IS DISCHARGED ---- 3-176
OTHER TROUBLE ---- 3-180
WHEN MODE SELECTION SYSTEM FLASHES ---- 3-185
MAINTENANCE ---- 4- 1
GUIDES TO MAINTENANCE ---- 4- 2
OUTLINES OF SERVICE ---- 4- 5
HANDLING OIL, FUEL, COOLANT, AND PERFORMING OIL CLINIC ---- 4- 5
OUTLINE OF ELECTRIC SYSTEM ---- 4- 9
HANDLING HYDRAULIC RELATED EQUIPMENT ---- 4- 9
WEAR PARTS ---- 4- 10
WEAR PARTS LIST ---- 4- 10
RECOMMENDED FUEL, COOLANT, AND LUBRICANT ---- 4- 12
RECOMMENDED BRANDS, RECOMMENDED QUALITY FOR PRODUCTS OTHER THAN KOMATSU GENUINE OIL ---- 4- 14
STANDARD TIGHTENING TORQUES FOR BOLTS AND NUTS ---- 4- 15
TORQUE LIST ---- 4- 15
PERIODIC REPLACEMENT OF SAFETY CRITICAL PARTS ---- 4- 16
SAFETY CRITICAL PARTS ---- 4- 17
MAINTENANCE SCHEDULE CHART ---- 4- 19
MAINTENANCE SCHEDULE CHART ---- 4- 19
SERVICE PROCEDURE ---- 4- 21
INITIAL 250 HOURS SERVICE (ONLY AFTER THE FIRST 250 HOURS) ---- 4- 21
WHEN REQUIRED ---- 4- 22
CHECK BEFORE STARTING ---- 4- 59
EVERY 250 HOURS SERVICE ---- 4- 60
EVERY 500 HOURS SERVICE ---- 4- 68
EVERY 1000 HOURS SERVICE ---- 4- 74
EVERY 2000 HOURS SERVICE ---- 4- 81
EVERY 4000 HOURS SERVICE ---- 4- 90
EVERY 8000 HOURS SERVICE ---- 4- 94
SPECIFICATIONS ---- 5- 1
SPECIFICATIONS ---- 5- 2
ATTACHMENTS, OPTIONS ---- 6- 1
GENERAL PRECAUTIONS ---- 6- 2
PRECAUTIONS RELATED TO SAFETY ---- 6- 2
SELECTION OF TRACK SHOE ---- 6- 3
SELECTION OF TRACK SHOES ---- 6- 3
PROCEDURE FOR SELECTING RIPPER POINT ---- 6- 4
STARTING IN COLD AREAS ---- 6- 5
EXTERNAL POWER SOURCE TYPE PREHEATER ---- 6- 5
EFFECTIVE METHOD OF OPERATION FOR DUAL TILTDOZER ---- 6- 13
BLADE CONDITION ---- 6- 13
DOZING WORK ---- 6- 15
LEVELING (SPREADING) OPERATION ---- 6- 17
DITCHING OPERATION ---- 6- 17
BOULDER RAISING OPERATION ---- 6- 17
SIDE-CUTTING OPERATIONS ---- 6- 18
HORIZONTAL DOZING OPERATIONS FROM SIDE SLOPE (ROUGH GROUND) ---- 6- 18
SHOE SLIP CONTROL ---- 6- 19

MidWestTech | Komatsu D475A-5E0 Bulldozer Operation & Maintenance Manual | Pu... Order the manual at mid-west-tech.com >

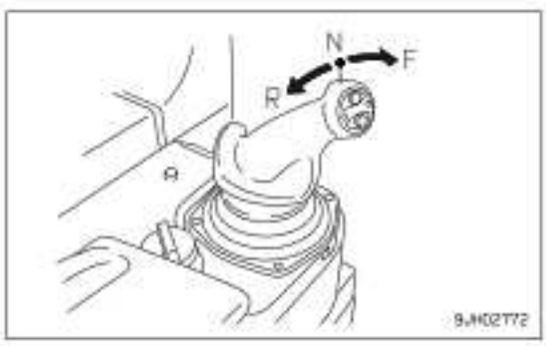
3. Operate blade control lever (3) and ripper control lever (4) to RAISE (a) position so that the blade will rise above the ground by 40 cm to 50 cm (15.8 in to 19.7 in) and the ripper will rise to the upper limit.



4. Turn fuel control dial (5) to High idle (MAX) position, raise the engine speed, and fully depress decelerator pedal (6).



5. Move joystick (steering, directional and gear shift lever) to F (forward) or R (reverse) position, gradually release decelerator pedal (6) and allow the machine to move.

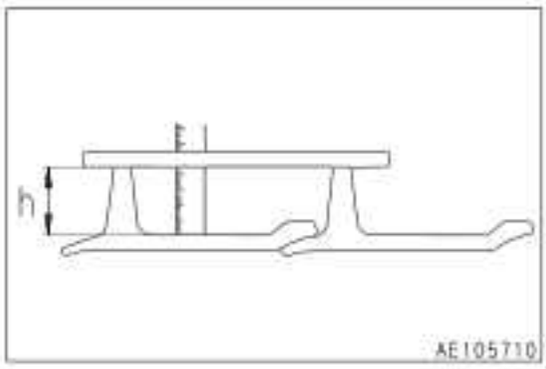


MidWestTech | Komatsu D475A-5E0 Bulldozer Operation & Maintenance Manual | Pu... Order the manual at mid-west-tech.com >

MEASURING HEIGHT OF GROUSER

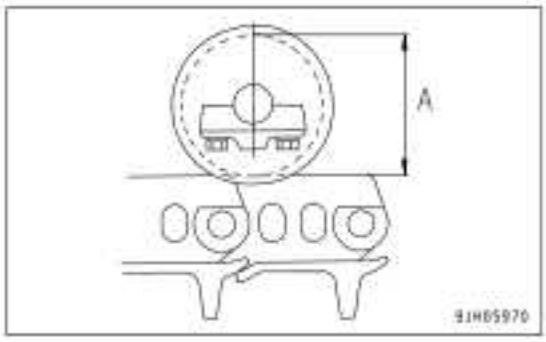
- After taking up slack in track shoes, measure height at center of shoe as shown below.

Standard height (h): 105 mm (4.1 in)
Repair limit (h): 35 mm (1.4 in)



MEASURING OUTSIDE DIAMETER OF TRACK ROLLER

1. Measure the outside diameter of the tread (dimension A).
   (1) Double flange roller
   Standard dimension (A): 300 mm (11.8 in)
   Repair limit (A): 246 mm (9.7 in)
   (2) Single flange roller
   Standard dimension (A): 300 mm (11.8 in)
   Repair limit (A): 230 mm (9.1 in)



MidWestTech | Komatsu D475A-5E0 Bulldozer Operation & Maintenance Manual | Pu... Order the manual at mid-west-tech.com >

SERVICE PROCEDURE

INITIAL 250 HOURS SERVICE (ONLY AFTER THE FIRST 250 HOURS)

Perform the following maintenance only after the first 250 hours.

- Replace transmission filter element, transmission lubrication filter element and torque converter oil filter element
- Change oil in power train case, clean strainer
  (Including transmission case, torque converter case, bevel gear case)
- Change oil in hydraulic tank, replace hydraulic oil filter element, clean hydraulic tank strainer
- Change oil in final drive case

For details of the method of replacing or maintaining, see the section on EVERY 500 HOURS, 1000 HOURS and 2000 HOURS SERVICE.

MidWestTech | Komatsu D475A-5E0 Bulldozer Operation & Maintenance Manual | Pu... Order the manual at mid-west-tech.com >