CEAM003900

Operation & Maintenance Manual

KOMATSU®

GD530A-2EY, AW-2EY
GD650A-2EY, AW-2EY
GD670A-2EY, AW-2EY

MOTOR GRADER
WITH EMISSIONIZED ENGINE

Serial Number
GD530A-2EY, AW-2EY - 210098 and UP
GD650A-2EY, AW-2EY - 210098 and UP
GD670A-2EY, AW-2EY - 210098 and UP

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MONTHLY/250 HOUR SERVICE				
COMPONENTS	SERVICE	CAPACITY	LUBE	MECHANICS ABILITY / TOOL REQUIRED
TRANSMISSION OIL FILTER	REPLACE FILTER ELEMENT. REPLACE FILTER AFTER FIRST 20 HOURS ON NEW MACHINE OR AFTER REBUILD AND EVERY 250 HOURS THEREAFTER, UNLESS WARNING INDICATOR LIGHT JUSTIFIES EARLIER SERVICE.	----------	---------- ------	OPERATOR (STRAP WRENCH)
PARKING BRAKE CALIPER	PURGE OLD GREASE WITH NEW.	AS REQUIRED	MPG	OPERATOR (GREASE GUN)
ARTICULATION JOINT	PURGE OLD GREASE WITH NEW.	AS REQUIRED	MPG	OPERATOR (GREASE GUN)
SUSPENSION ARM PIVOTS (BOTH SIDES) (R.H. & L.H. 90E BLADE SUSPENSION)	PURGE OLD GREASE WITH NEW.	AS REQUIRED	MPG	OPERATOR (GREASE GUN)
REAR AXLE PIVOTS (TWO EACH SIDE)	PURGE OLD GREASE WITH NEW. THE SIZE OF THE BEARING CAVITY AT EACH PIVOT IS LARGE. MAKE SURE A SUFFICIENT AMOUNT OF GREASE IS APPLIED TO THIS AREA.	AS REQUIRED	MPG	OPERATOR (GREASE GUN)
TRANSMISSION BREATHER	INSPECT AND CLEAN.	----------	---------- ------	OPERATOR (COMBINATION WRENCH)
CIRCLE DRIVE GEAR CASE BREATHER	INSPECT AND CLEAN.	----------	---------- ------	OPERATOR (COMBINATION WRENCH)
COOLANT FILTER / CORROSION RESISTOR CARTRIDGE	CHANGE COOLANT FILTER.	----------	---------- ------	OPERATOR (STRAP WRENCH)
AIR CLEANER SYSTEM	CHECK AND TIGHTEN AIR INTAKE CONNECTIONS.	----------	---------- ------	OPERATOR (SCREW-DRIVER FOR SLOTTED HEAD SCREWS)
COOLANT SYSTEM	CHECK HOSES AND CLAMPS.	----------	---------- ------	OPERATOR (SCREW-DRIVER FOR SLOTTED HEAD SCREWS)

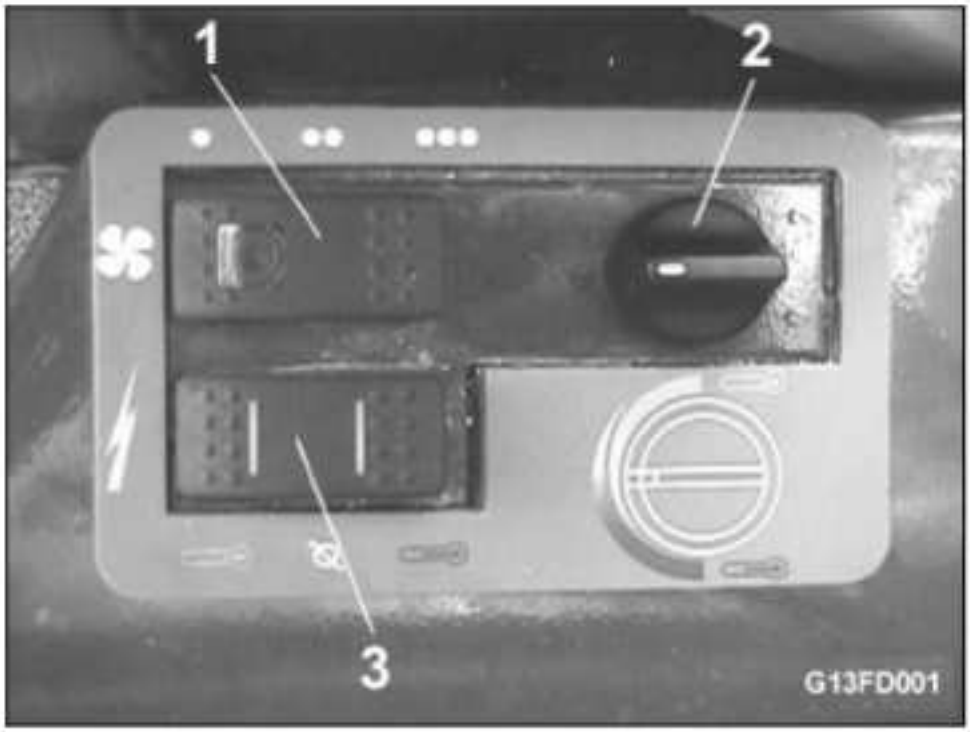
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SPECIFICATION PER ISO-6750 ANNEX A	GD530A-2EY	GD530AW-2EY	GD650A-2EY	GD650AW-2EY	GD670A-2EY	GD670AW-2EY
OPERATING WEIGHTS (APPROXIMATE) INCLUDES LUBRICANTS, COOLANT, FULL FUEL TANK AND OPERATOR.						
TOTAL	30,172 LBS. (13,683.0 KG)		32,787 LBS. (14,868.9 KG)		34,242 Lbs. (15,528.7 kg)	
ON FRONT WHEELS	8,835 LBS. (4,006.7 KG)		9,421 LBS. (4,272.4 KG)		9,697 LBS. (4,397.6 KG)	
ON REAR WHEELS	21,337 LBS. (9,676.3 KG)		23,366 LBS. (10,596.5 KG)		24,545 LBS. (11,131.2 KG)	
FOR FULL HEIGHT ADD 250 LBS. (113.4 KG) TO TOTAL WEIGHT. SEE Pages 8 THRU 15 FOR DIMENSIONAL DETAILS.						
FOR ALL WHEEL DRIVE ADD 370 LBS. (167.8 KG) TO FRONT WHEELS AND 230 LBS. (104.3 KG) TO REAR WHEELS. SEE Pages 8 THRU 15 FOR DIMENSIONAL DETAILS.						
FOR SCARIFIER WITH 11 TEETH ADD 1300 LBS. (589.6 KG). SEE Pages 8 THRU 15 FOR DIMENSIONAL DETAILS.						
FOR REAR RIPPER WITHOUT SHANKS ADD 1850 LBS. (839.0 KG). SEE Pages 8 THRU 15 FOR DIMENSIONAL DETAILS.						
FOR 0.88 IN. (22.352 MM) THICK X 12 FT. (3.66 M) BLADE ADD 179 LBS. (81.2 KG). SEE Pages 8 THRU 15 FOR DIMENSIONAL DETAILS.						
FOR 0.88 IN. (22.352 MM) THICK X 13 FT. (3.96 M) BLADE ADD 256 LBS. (116.1 KG). SEE Pages 8 THRU 15 FOR DIMENSIONAL DETAILS.						
FOR 0.88 IN. (22.352 MM) THICK X 14 FT. (4.27 M) BLADE ADD 334 LBS. (151.5 KG). SEE Pages 8 THRU 15 FOR DIMENSIONAL DETAILS.						
FOR 2 FT. (0.61 M) R.H OR L.H. BLADE EXTENSION ADD 113 LBS. (51.2 KG). SEE Pages 8 THRU 15 FOR DIMENSIONAL DETAILS.						
FOR FRONT BLADE ADD 2,500 LBS. (1,133.8 KG). SEE Pages 8 THRU 15 FOR DIMENSIONAL DETAILS.						
FOR EACH RIPPER SHANK ADD 105 LBS. (47.6 KG). SEE Pages 8THRU 15 FOR DIMENSIONAL DETAILS.						
OVERALL SHIPPING DIMENSIONS	SEE Pages 8 THRU15 FOR DIMENSIONAL DETAILS.					
MAIN OUTLINE DIMENSIONS OF MACHINE IN WORKING ORDER	SEE Pages 8 THRU15 FOR DIMENSIONAL DETAILS.					
WHEEL OR CRAWLER LOADING:	SEE "MACHINE TRANSPORT" SECTION 2.					
TIRE CONTACT PRESSURE ON REAR TIRES	33.66 PSI (2.4 KG/CM^2)	34.02 PSI (2.4 KG/CM^2)	32.87 PSI (2.3 KG/CM^2)	33.20 PSI (2.3 KG/CM^2)	34.53 PSI (2.4 KG/CM^2)	34.85 PSI (2.5 KG/CM^2)
TRAVEL SPEEDS:						
FORWARD						
FIRST	3.23 MPH (5.2 KM/H)					
SECOND	4.85 MPH (7.8 KM/H)					
THIRD	7.39 MPH (11.9 KM/H)					
FORTH	11.06 MPH (17.8 KM/H)					
FIFTH	17.77 MPH (28.6 KM/H)					
SIXTH	24.85 MPH (40.0 KM/H)					
REVERSE						

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49. HEATING AND AIR CONDITIONING

49.1 HEATER/AIR CONDITIONING CONTROLS



49.1.1 CONTROLS IDENTIFIED

1. HEATER BLOWER SWITCH
2. HEATER/AIR CONDITIONING CONTROL KNOB
3. HEATER/AIR CONDITIONING CONTROL SWITCH

49.1.2 CONTROLS DEFINED



1. **Blower Switch** - A three-position rocker switch (1) controls the heater blower fan speed.
   A. LOW position.
   B. MEDIUM position.
   C. HIGH position.



2. **Heater/Air Conditioning Control Knob** - This knob (2) controls the amount of heat delivered by the heater. Turn the knob counterclockwise (CCW) for maximum HEAT and clockwise (CW) for maximum COLD.
   A. maximum COLD.
   B. maximum HEAT.

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