SEAM021400

Operation & Maintenance Manual

GD825A-2

MOTOR GRADER

SERIAL NUMBERS GD825A-12051 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.

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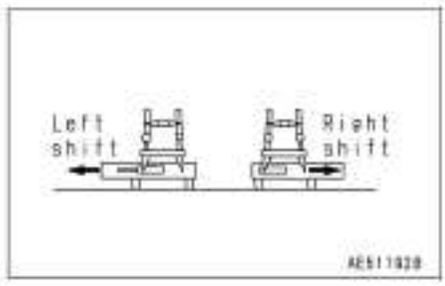
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OPERATING BLADE SIDE SHIFT

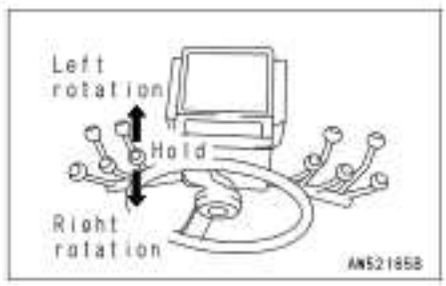
Operate blade side-shift control lever ③ as follows.
Pull BACK to shift blade to RIGHT
Push FORWARD to shift blade to LEFT

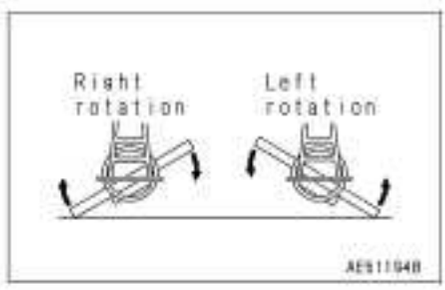




OPERATING BLADE ROTATION

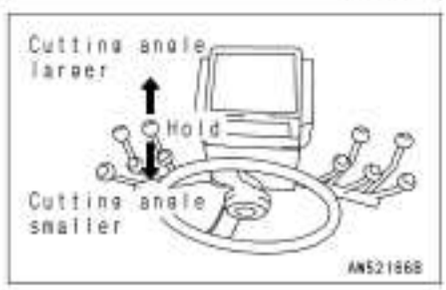
Operate blade rotation control lever ④ as follows.
Pull BACK to rotate blade to RIGHT
Push FORWARD to rotate blade to LEFT

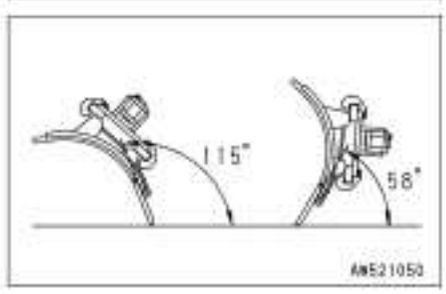




CHANGING BLADE CUTTING ANGLE

Operate power tilt control lever ⑤ as follows.
Pull BACK to make cutting angle SMALLER
Push FORWARD to make cutting angle LARGER



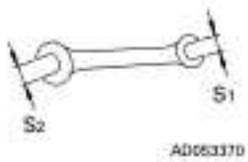


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21. STANDARD TIGHTENING TORQUES FOR BOLTS AND NUTS

21.1 INTRODUCTION OF NECESSARY TOOLS

The following tools are needed when carrying out maintenance.

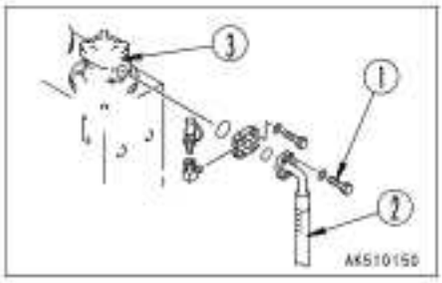
No.	Name of tool	Part No.	Remarks
1	Wrench set	09000-30005	Applicable width across flats (S_1–S_2) 8mm – 10mm 13mm – 17mm 19mm – 22mm 24mm – 27mm 30mm – 32mm 
2	Wrench	09001-07500	Jaw size: 75
3	Wrench	09002-03641	36 mm – 41 mm
4	Wrench	09002-04650	46 mm – 50 mm
5	Socket wrench set	09020-10282	Applicable width across flats 10 mm, 13 mm, 14 mm, 17 mm, 19 mm, 22 mm, 24 mm, 27 mm, 30 mm, 32 mm, Extension, Handle, Joint, Bar
6	Socket wrench	235-98-11220	
7	Screwdriver	09033-00190	Interchangeable flat-head and cross-head
8	Pliers	09036-00150	
9	Hammer	09039-00150	
10	Feeler gauge	09054-00009	
11	Pry bar	09055-10390	
12	Tire hose	235-98-11210	
13	Tire gauge	09289-10000	
14	Filter wrench	09019-08035	For filter cartridges
15	Grease pump	07952-80002	For greasing work
16	Grease cartridge	07950-90403	(Lithium base grease, 400 g)
17	Leaning lock bolt	01011-83040	
18	Leaning lock nut	01580-13024	
19	Plate	09963-03000	Warning tag

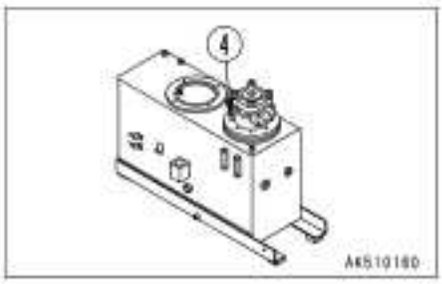
If any of the above tools are broken, please order them from your Komatsu distributor.

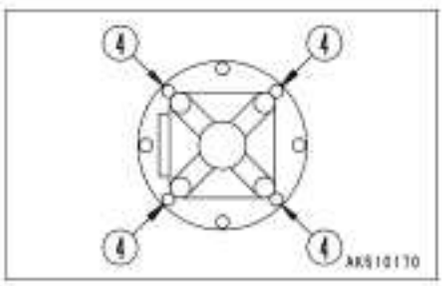
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24.7.6 REPLACE RETURN FILTER ELEMENT AND CLEAN SUCTION STRAINER IN HYDRAULIC TANK

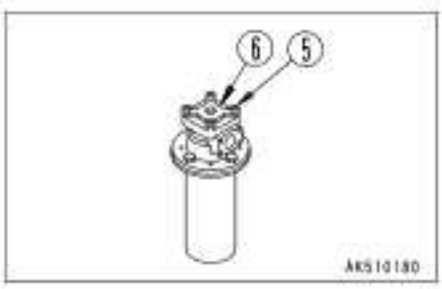
1. Remove bolt ①, then remove hose ② from filter assembly ③.
2. Remove 4 bolts ④, then remove filter assembly ③ from the hydraulic tank.
   (The other bolts are used to install the filter head and case, so do not remove them.)



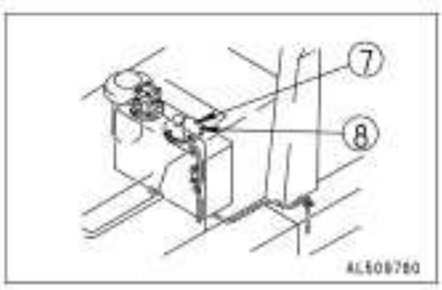




3. Remove 4 bolts ⑤, then remove filter head cover ⑥.
4. Remove the filter element, clean the filter case and the removed parts, then install a new filter element.
5. Install filter head cover ⑥ with bolts ⑤.
6. Install filter assembly ③ to the hydraulic tank.



7. Remove bolt ⑦ of the suction strainer, then remove cover ⑧.
8. Remove the strainer, wash the strainer and remove parts, then install them to the hydraulic tank again.
9. Install cover ⑧ with bolt ⑦.



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