

# PARTS & SERVICE NEWS

REF NO.	AA00203A
DATE	October 26, 2000

*This Parts and Service News supersedes the previous issue AA00203 dated September 5, 2000. The previously issued Parts and Service News should be discarded.*

**SUBJECT:** SWIVEL BLOCK UPGRADE

**PURPOSE:** To provide service parts for Swivel Block on the below listed graders.

**APPLICATION:** A400E Graders, All S/N's A525 Graders, All S/N's  
 T400A Graders, All S/N's A550 Graders, All S/N's  
 A450E Graders, All S/N's A556 Graders, All S/N's  
 S450E Graders, All S/N's A560E Graders, All S/N's  
 A500 Graders, All S/N's S560E Graders, All S/N's  
 A500E Graders, All S/N's A566E Graders, All S/N's  
 S500E Graders, All S/N's A600 Graders, All S/N's  
 T500 Graders, All S/N's T600 Graders, All S/N's  
 T500A Graders, All S/N's T600B Graders, All S/N's  
 T500C Graders, All S/N's T600C Graders, All S/N's  
 T500L Graders, All S/N's A606 Graders, All S/N's  
 T500M Graders, All S/N's  
 830 Graders Serial Number 100476 thru 210203  
 850 Graders Serial Number 100497 thru 210203  
 870 Graders Serial Number 100481 thru 210203  
 GD530A/AW Graders Serial Number 200840 thru 210203  
 GD670A/AW Graders Serial Number 200840 thru 210203

**FAILURE CODE:** 621010

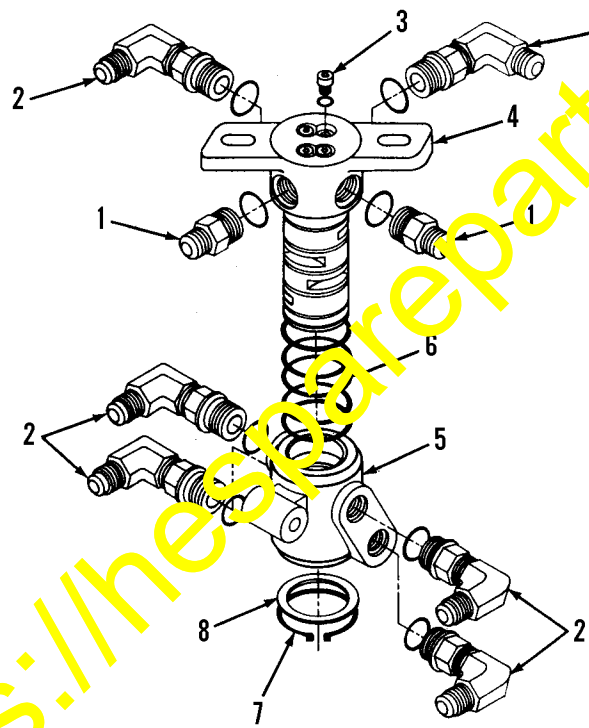
**DESCRIPTION:** The snapping for retaining swivel valve pin in the valve body has been replaced with a bolt-on cover plate and shim pack. This provides a means of controlling the gap between the valve body and pin. Controlling the gap to a small setting will minimize contamination of the seals.

For individual service part numbers, refer to the subsequent pages of this PARTS & SERVICE NEWS. Use this publication along with applicable parts book until such time as this information is incorporated into the parts book.

**- NOTE -**

The information in this **PARTS & SERVICE NEWS** does not authorize or imply any obligation on the part of Komatsu America International Company to provide reimbursement for any expenses. Machines requiring part repair or part replacement during the machine warranty are covered under normal warranty. Out-of-warranty machines are the responsibility of the distributor/customer.

FOUR-WAY SWIVEL BLOCK



<https://hessautoreparts.com/>

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**FOUR-WAY SWIVEL BLOCK**

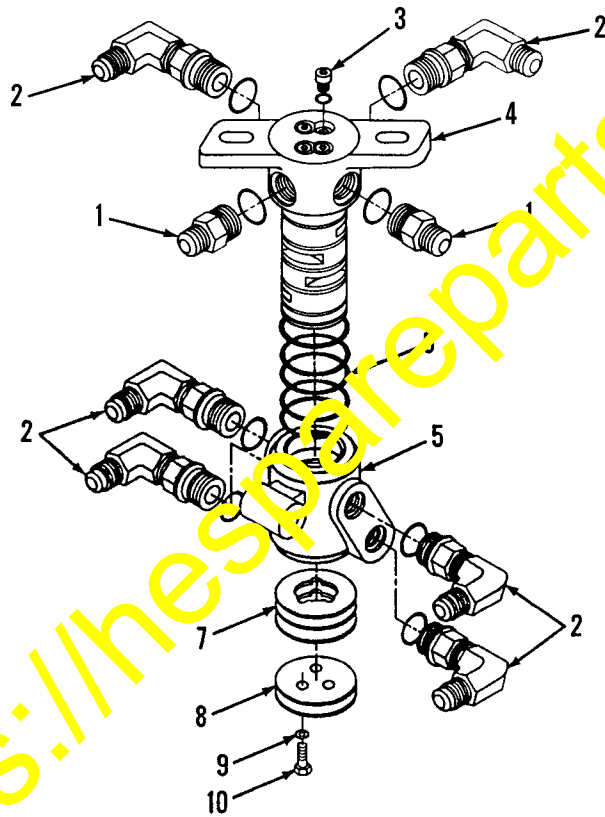

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Item	Part Number	Description	Qty.	Ref.	Serial No.
	148 587	SWIVEL BLOCK, FOUR-WAY . . . . .	1	<b>F1</b>	
1	59 199	.CONNECTOR . . . . .	2		
	364 885 R1	.O-RING . . . . .	1		
2	611 469	.ELBOW . . . . .	6		
	58 853	.O-RING . . . . .	1		
3	63 922	.PLUG . . . . .	4		
	364 839 R1	.O-RING . . . . .	1		
4	93 848	.PIN WELDMENT . . . . .	1		
5	73 977	.BODY, SWIVEL . . . . .	1		
6	1251 923 H1	.SEAL . . . . .	5		
7	31 031	.RING, RETAINING . . . . .	1		
8	44 034	.WASHER, FLAT . . . . .	1		

F1 - DISCONTINUED - ORDER THE FOLLOWING:

1439 469 H91 SWIVEL BLOCK, FOUR-WAY (SEE FIG. N5310- 1  
01A1) . . . . .

FOUR-WAY SWIVEL BLOCK



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**FOUR-WAY SWIVEL BLOCK**

Item	Part Number	Description	Qty.	Ref. Serial No.
	1439 469 H91	SWIVEL BLOCK, FOUR-WAY . . . . .	1	
1	59 199	.CONNECTOR . . . . .	2	
	364 885 R1	..O-RING . . . . .	1	
2	50 893	.ELBOW . . . . .	6	
	58 853	..O-RING . . . . .	1	
3	63 922	.PLUG . . . . .	4	
	364 839 R1	..O-RING . . . . .	1	
4	1439 239 H91	.PIN WELDMENT . . . . .	1	
5	73 977	.BODY, SWIVEL . . . . .	1	
6	1251 923 H1	.SEAL . . . . .	5	
7	179 165 H1	.SHIM - .020 IN (0.508 mm) . . . . .	2	
	179 166 H1	.SHIM - .007 IN (0.1778 mm) . . . . .	3	
	179 167 H1	.SHIM - .005 IN (0.127 mm) . . . . .	3	
8	1439 440 H1	.COVER . . . . .	1	
9	25 710 R1	.WASHER, FLAT . . . . .	3	
10	180 175	.BOLT . . . . .	3	

**DETERMINING SHIM PACK**

1. INSTALL PIN IN VALVE BODY AFTER INSTALLING SEALS ON PIN.
2. ASSEMBLE BOTTOM COVER TO PIN WITH 3 BOLTS AND WASHERS. TIGHTEN BOLTS ENOUGH (5 TO 10 LBF FT) TO DRAW SHOULDER OF PIN TIGHT AGAINST SWIVEL VALVE BODY.
3. DISASSEMBLE THE BOTTOM COVER FROM THE PIN.
4. MEASURE THE DISTANCE BETWEEN THE BOTTOM OF THE VALVE BODY AND BOTTOM OF THE PIN.
5. ADD 0.003 TO 0.005 INCHES (0.0762 TO 0.127 MM) TO THE ABOVE MEASUREMENT TO OBTAIN THE REQUIRED CLEARANCE BETWEEN THE PIN COVER AND VALVE HOUSING.
6. SELECT THE NECESSARY SHIMS TO OBTAIN THE REQUIRED CLEARANCE DETERMINED IN STEP 5.
7. REASSEMBLE THE BOTTOM COVER TO THE PIN WITH THE REQUIRED SHIM PACK. THE MACHINED SURFACE OF THE COVER SHOULD BE AGAINST THE SHIMS. TIGHTEN BOLTS TO 70 LBF FT. (95 N·m).