

# SHOP MANUAL

**KOMATSU**

**WA320-1**

MACHINE MODEL    SERIAL No.

**WA320-1            20001 and up**

- This shop manual may contain attachments and optional equipment that are not available in your area. Please consult your local Komatsu distributor for those items you may require. Materials and specifications are subject to change without notice.
- WA320-1 mount the S6D105-1 engine.  
For details of the engine, see the S6D105-1 Series Engine Shop Manual.

# CONTENTS

	No. of page
<b>10 STRUCTURE AND FUNCTION</b> .....	10-1
<b>20 TESTING AND ADJUSTING</b> .....	20-1
<b>30 DISASSEMBLY AND ASSEMBLY</b> .....	30-1
<b>40 MAINTENANCE STANDARD</b> .....	40-1

The affected pages are indicated by the use of the following marks. It is requested that necessary actions must be taken to these pages according to the list below.

Mark	Indication	Action required
○	Page to be newly added	Add
●	Page to be replaced	Replace
( )	Page to be deleted	Discard

Pages having no marks are not revised at this time.

### LIST OF REVISED PAGES

Mark	Page	Revision number	Mark	Page	Revision number	Mark	Page	Revision number	Mark	Page	Revision number	Mark	Page	Revision number
●	00- 1	③		10-34			10-76			10-118			20-16	①
	00- 2	②		10-35			10- 77			10-119			20-17	①
●	00- 2-1	③		10-36			10- 78			10-120			20-18	①
●	00- 2-2	③		10-37			10- 79			10-121			20-19	①
●	00- 2-3	③		10-38			10- 80			10-122			20-20	①
	00-11			10-39			10- 81			10-123			20-21	①
	00-12			10-40			10- 82			10-124			20-22	①
	10- 1			10-41			10- 83			10-125			20-23	①
	10- 2			10-42			10- 84			10-126			20-24	①
	10- 3			10-43			10- 85			10-127			20-25	①
	10- 4			10-45			10- 86			10-128			20-26	①
	10- 5			10-46			10- 87			10-129			20-27	①
	10- 6			10-47			10- 88			10-130			20-28	①
	10- 7			10-48			10- 89			10-131			20-29	①
	10- 8			10-49			10- 90			10-132			20-30	①
	10- 9			10-50			10- 91			10-133			20-31	①
	10-10			10-51			10- 92			10-134			20-32	①
	10-11			10-52			10- 93			10-135			20-33	①
	10-12			10-53			10- 94		●	10-136	③		20-34	①
	10-13			10-54			10- 95			10-137			20-35	①
	10-14			10-55			10- 96			10-138			20-36	①
	10-15			10-56			10- 97			10-139			20-37	①
	10-16			10-57			10- 98			10-140			20-38	①
	10-17			10-59			10- 99			10-141			20-39	①
	10-18			10-60			10-100			10-142			20-40	①
	10-19			10-61			10-101			20- 1	①		20-41	①
	10-20			10-62			10-102			20- 2	①		20-42	①
	10-21			10-63		●	10-104	③		20- 3	①		20-43	①
	10-22			10-64		●	10-105	③		20- 4	①		20-44	①
	10-23			10-65			10-107			20- 5	①		20-45	①
	10-24			10-66			10-108			20- 6	①		20-46	①
	10-25			10-67			10-109			20- 7	①		20-47	①
	10-26			10-68			10-110			20- 8	①		20-48	①
	10-27			10-69			10-111			20- 9	①		20-49	①
	10-28			10-70			10-112			20-10	①		20-50	①
	10-29			10-71			10-113			20-11	①		20-51	①
	10-30			10-72			10-114			20-12	①		20-52	①
	10-31			10-73			10-115			20-13	①		20-53	①
	10-32			10-74			10-116			20-14	①		20-54	①
	10-33			10-75			10-117			20-15	①		20-55	①

Mark	Page	Revision number	Mark	Page	Revision number	Mark	Page	Revision number	Mark	Page	Revision number	Mark	Page	Revision number
	20- 56	①		20-113	①		30-48	②		30-103	②		30-158	②
	20- 57	①		20-114	①		30-49	②		30-104	②		30-159	②
	20- 58	①		20-115	①		30-50	②		30-105	②		30-160	②
	20- 59	①		20-116	①		30-51	②		30-106	②		30-161	②
	20- 60	①		20-117	①		30-52	②		30-107	②		30-162	②
	20- 61	①		20-118	①		30-53	②		30-108	②		30-163	②
	20- 62	①		20-119	①		30-54	②		30-109	②		30-164	②
	20- 63	①		20-120	①		30-55	②		30-110	②		30-165	②
	20- 64	①		30- 1	②		30-56	②		30-111	②		30-166	②
	20- 65	①		30- 2	②		30-57	②		30-112	②		30-167	②
	20- 66	①		30- 3	②		30-58	②		30-113	②		30-168	②
	20- 67	①		30- 4	②		30-59	②		30-114	②		30-169	②
	20- 68	①		30- 5	②		30-60	②		30-115	②		30-170	②
	20- 69	①		30- 6	②		30-61	②		30-116	②		30-171	②
	20- 71	①		30- 7	②		30-62	②		30-117	②		30-172	②
	20- 72	①		30- 8	②		30-63	②		30-118	②		30-173	②
	20- 73	①		30- 9	②		30-64	②		30-119	②		30-174	②
	20- 74	①		30- 10	②		30-65	②		30-120	②		30-175	②
	20- 75	①		30- 11	②		30-66	②		30-121	②		30-176	②
	20- 76	①		30- 12	②		30-67	②		30-122	②		30-177	②
	20- 77	①		30- 13	②		30-68	②		30-123	②		30-178	②
	20- 78	①		30- 14	②		30-69	②		30-124	②		30-179	②
	20- 79	①		30- 15	②		30-70	②		30-125	②		30-180	②
	20- 80	①		30- 16	②		30-71	②		30-126	②		30-181	②
	20- 81	①		30- 17	②		30-72	②		30-127	②		30-182	②
	20- 82	①		30- 18	②		30-73	②		30-128	②		30-183	②
	20- 83	①		30- 19	②		30-74	②		30-129	②		30-184	②
	20- 84	①		30- 20	②		30-75	②		30-130	②		30-185	②
	20- 85	①		30- 21	②		30-76	②		30-131	②		30-186	②
	20- 86	①		30- 22	②		30-77	②		30-132	②		30-187	②
	20- 87	①		30- 23	②		30-78	②		30-133	②		30-188	②
	20- 88	①		30- 24	②		30-79	②		30-134	②		30-189	②
	20- 89	①		30- 25	②		30-80	②		30-135	②		30-190	②
	20- 90	①		30- 26	②		30-81	②		30-136	②		30-191	②
	20- 91	①		30- 27	②		30-82	②		30-137	②		30-192	②
	20- 92	①		30- 28	②		30-83	②		30-138	②		30-193	②
	20- 93	①		30- 29	②		30-84	②		30-139	②		30-194	②
	20- 94	①		30- 30	②		30-85	②		30-140	②		30-195	②
	20- 95	①		30- 31	②		30-86	②		30-141	②		30-196	②
	20- 96	①		30- 32	②		30-87	②		30-142	②		30-197	②
	20- 97	①		30- 33	②		30-88	②		30-143	②		30-198	②
	20- 98	①		30- 34	②		30-89	②		30-144	②		30-199	②
	20-100	①		30- 35	②		30-90	②		30-145	②		30-200	②
	20-101	①		30- 36	②		30-91	②		30-146	②		30-201	②
	20-102	①		30- 37	②		30-92	②		30-147	②		30-202	②
	20-103	①		30- 38	②		30-93	②		30-148	②		30-203	②
	20-104	①		30- 39	②		30-94	②		30-149	②		30-204	②
	20-105	①		30- 40	②		30-95	②		30-150	②		30-205	②
	20-106	①		30- 41	②		30-96	②		30-151	②		30-206	②
	20-107	①		30- 42	②		30-97	②		30-152	②		30-207	②
	20-108	①		30- 43	②		30-98	②		30-153	②		30-208	②
	20-109	①		30- 44	②		30-99	②		30-154	②		30-209	②
	20-110	①		30- 45	②		30-100	②		30-155	②		30-210	②
	20-111	①		30- 46	②		30-101	②		30-156	②		30-211	②
	20-112	①		30- 47	②		30-102	②		30-157	②		30-212	②

Mark	Page	Revision number	Mark	Page	Revision number	Mark	Page	Revision number	Mark	Page	Revision number
	30-213	②									
	30-214	②									
	30-215	②									
	40- 1										
	40- 2										
	40- 3										
	40- 4										
	40- 5										
	40- 6										
	40- 7										
	40- 8										
	40- 9										
	40- 10										
	40- 11										
	40- 12										
	40- 13										
	40- 14										
	40- 15										
	40- 16										
	40- 17										
	40- 18										
	40- 19										
	40- 20										
	40- 21										
	40- 22										
	40- 23										
	40- 24										
	40- 26										
	40- 27										
	40- 28										
	40- 29										
	40- 30										
	40- 31										
	40- 32										
	40- 33										
	40- 34										
	40- 35										
	40- 36										
	40- 37										
	40- 38										
	40- 39										
	40- 40										
	40- 41										
	40- 42										
	40- 43										

It's a preview. You can download the full file by clicking the link below.

<https://shopservicemanual.com/>

Service Manuals from 2\$