

# SHOP MANUAL

## KOMATSU

# HD785-5

# HD985-5

MACHINE MODEL	SERIAL NUMBER
<b>HD785-5</b>	<b>4001 and up</b>
<b>HD985-5</b>	<b>1021 and up</b>

- 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.
- HD785-5 and HD985-5 mount the SA12V140-1 engine.  
For details of the engine, see the 12V140-1 Series Engine Shop Manual.

# CONTENTS

	No. of page
<b>01 GENERAL .....</b>	<b>01-1</b>
<b>10 STRUCTURE AND FUNCTION .....</b>	<b>10-1</b>
<b>20 TESTING AND ADJUSTING .....</b>	<b>20-1</b>
<b>30 DISASSEMBLY AND ASSEMBLY .....</b>	<b>30-1</b>
<b>40 MAINTENANCE STANDARD .....</b>	<b>40-1</b>
<b>90 OTHERS .....</b>	<b>90-1</b>

The affected pages are indicated by the use of the following marks. It is requested that necessary actions be taken to these pages according to the table 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 those previously revised or made additions.

### 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	(18)		10-4	(15)		10-40	(12)		10-73			10-113	
	00-2	(2)		10-5	(15)		10-40-1	(12)		10-74			10-114	
●	00-2-1	(18)		10-6			10-40-2	(12)		10-75	(15)		10-115	
●	00-2-2	(18)		10-7	(1)		10-41			10-76	(15)		10-116	
	00-2-3	(17)		10-7-1	(1)		10-42	(1)		10-77	(15)		10-117	
	00-2-4	(17)		10-8			10-42-1	(1)		10-78			10-118	
●	00-2-5	(18)		10-9			10-42-2	(12)		10-79	(16)		10-119	
	00-2-6	(17)		10-10			10-43	(12)		10-79-1	(16)		10-120	
	00-3			10-12	(10)		10-44			10-80			10-121	(5)
	00-4			10-13	(10)		10-45	(1)		10-81			10-122	
	00-5			10-14			10-45-1	(1)		10-82			10-123	
	00-6			10-15			10-46			10-83			10-124	
	00-7			10-16			10-47			10-84	(1)		10-125	(12)
	00-8			10-17			10-48			10-84-1	(1)		10-126	(15)
	00-9			10-18			10-49			10-85			10-127	
	00-10			10-19	(10)		10-50			10-86			10-128	
	00-11			10-20			10-51			10-87			10-129	
	00-12			10-21			10-52			10-88			10-130	
	00-13			10-22			10-53	(15)		10-89			10-131	
	00-14			10-23			10-54	(15)		10-90			10-132	
	00-15			10-24			10-56			10-91			10-133	(15)
	00-16			10-25			10-57			10-92			10-134	
	00-17			10-26			10-58			10-93			10-135	
	00-18			10-27			10-59			10-94			10-136	
	00-19			10-28	(14)		10-59-1	(16)		10-95			10-137	
	00-20			10-29	(1)		10-60	(16)		10-96			10-138	
	00-21			10-29-1	(1)		10-61			10-97			10-139	
	00-22			10-29-2	(1)		10-62			10-98			10-140	
				10-30	(12)		10-63			10-99			10-141	
	01-1	(15)		10-30-1	(12)		10-64			10-100			10-142	
	01-2	(5)		10-30-2	(12)		10-65			10-101			10-143	
	01-2-1	(5)		10-32			10-66			10-102	(15)		10-144	
	01-3	(15)		10-33			10-67			10-103			10-145	
	01-4	(1)		10-34			10-68			10-104			10-146	
	01-5	(1)		10-35			10-69			10-105			10-147	
	01-6	(1)		10-36			10-70			10-106			10-148	
	01-7	(15)		10-37	(15)		10-70-1	(13)		10-108			10-149	
				10-37-1	(15)		10-70-2	(13)		10-109			10-150	
	10-1	(16)		10-37-2	(15)		10-71	(13)		10-110	(15)		10-151	
	10-2	(16)		10-38			10-71-1	(13)		10-111			10-152	
	10-3	(17)		10-39	(12)		10-72	(13)		10-112			10-153	

Mark	Page	Revision number	Mark	Page	Revision number	Mark	Page	Revision number	Mark	Page	Revision number	Mark	Page	Revision number
	10-154			10-209			10-256	(17)		20-123-1	(13)		20-211	(1)
	10-155			10-210			10-257	(17)		20-124	(1)		20-212	(1)
	10-156			10-211	(15)		10-258	(17)		20-125	(15)		20-213	(1)
	10-157			10-212			10-259	(17)		20-126	(5)		20-214	(15)
	10-158			10-213	(15)		10-260	(17)		20-127	(13)		20-215	(7)
	10-159			10-214			10-261	(17)		20-128	(13)		20-216	(15)
	10-160			10-215			10-262	(17)		20-129	(13)		20-217	(7)
	10-161			10-216						20-130	(15)		20-218	(7)
	10-162			10-217			20-1	(15)		20-131	(13)		20-219	(7)
	10-163			10-218			20-2	(15)		20-132	(13)		20-220	(13)
	10-164			10-219			20-3	(15)		20-133	(16)		20-221	(13)
	10-165	(15)		10-220			20-3-1	(15)		20-134	(16)		20-222	(13)
	10-166			10-221			20-4	(15)		20-135	(16)		20-223	(13)
	10-167			10-222			20-5	(15)		20-135-1	(16)		20-224	(13)
	10-168			10-223	(15)		20-6	(15)		20-135-2	(16)		20-226	(15)
	10-169			10-224			20-7	(15)		20-136	(16)		20-227	(15)
	10-170			10-225			20-8	(15)		20-137	(1)		20-228	(15)
	10-171			10-226			20-9	(15)		20-138	(1)		20-229	(15)
	10-172			10-227			20-10	(1)		20-139	(1)		20-230	(15)
	10-173			10-228			20-11	(15)		20-140	(1)		20-231	(15)
	10-174			10-228-1	(13)		20-12	(1)		20-141	(5)		20-232	(15)
	10-175			10-228-2	(13)		20-13	(1)		20-142	(15)		20-232-1	(15)
	10-176			10-228-3	(13)		20-14	(15)		20-143	(7)		20-232-2	(15)
	10-177			10-228-4	(13)		20-15	(1)		20-144	(12)		20-232-3	(15)
	10-178			10-228-5	(13)		20-16	(15)		20-145	(1)		20-232-4	(15)
	10-179			10-228-6	(13)		20-17	(1)		20-146	(1)		20-232-5	(15)
	10-180			10-228-7	(15)		20-18	(1)		20-147	(5)		20-232-6	(15)
	10-181			10-228-8	(13)		20-19	(2)		20-148	(5)		20-232-7	(15)
	10-182			10-228-9	(13)		20-20	(15)		20-149	(5)		20-232-8	(15)
	10-183			10-228-10	(13)		20-21	(1)		20-150	(5)		20-232-9	(15)
	10-184			10-229			20-101	(16)		20-151	(5)		20-232-10	(15)
	10-185			10-230			20-102	(16)		20-152	(5)		20-232-11	(15)
	10-186			10-231			20-103	(5)		20-153	(5)		20-232-12	(15)
	10-187			10-232			20-104	(1)		20-154	(5)		20-232-13	(15)
	10-188			10-233			20-105	(1)		20-155	(5)		20-232-14	(15)
	10-189			10-234			20-106	(15)		20-156	(5)		20-232-15	(15)
	10-190			10-235			20-107	(7)		20-157	(15)		20-232-16	(15)
	10-192			10-236			20-108	(7)		20-158	(11)		20-234	(1)
	10-193			10-237			20-109	(1)		20-159	(12)		20-235	(1)
	10-194			10-238			20-110	(1)		20-160	(15)		20-236	(15)
	10-195			10-240			20-111	(1)		20-161	(12)		20-237	(15)
	10-196			10-241			20-112	(1)		20-162	(15)		20-238	(15)
	10-197			10-242			20-113	(1)		20-163	(15)		20-240	(15)
	10-198			10-243			20-114	(15)		20-164	(15)		20-241	(1)
	10-199			10-244			20-115	(15)		20-201	(13)		20-242	(1)
	10-200			10-245			20-115-2	(15)		20-202	(1)		20-243	(1)
	10-201	(15)		10-247	(12)		20-116	(5)		20-203	(1)		20-244	(1)
	10-202			10-248	(8)		20-117	(1)		20-204	(1)		20-245	(7)
	10-203			10-249	(13)		20-118	(15)		20-205	(1)		20-246	(1)
	10-204			10-250	(13)		20-119	(15)		20-206	(1)		20-247	(1)
	10-205			10-251	(8)		20-120	(1)		20-207	(11)		20-248	(1)
	10-206	(15)		10-252	(11)		20-121	(1)		20-208	(11)		20-249	(1)
	10-207			10-253	(11)		20-122	(7)		20-209	(1)		20-250	(7)
	10-208			10-254	(11)		20-123	(15)		20-210	(1)		20-251	(7)

Mark	Page	Revision number	Mark	Page	Revision number	Mark	Page	Revision number	Mark	Page	Revision number	Mark	Page	Revision number
20-252	(1)		20-327	(1)		20-507	(1)		20-561	(1)		20-714	(1)	
20-253	(1)		20-328	(1)		20-508	(1)		20-562	(1)		20-715	(1)	
20-254	(1)		20-329	(1)		20-509	(1)		20-563	(1)		20-716	(1)	
20-255	(15)		20-330	(15)		20-510	(1)		20-564	(1)		20-717	(1)	
20-256	(15)		20-331	(15)		20-511	(1)		20-565	(1)		20-718	(1)	
20-257	(7)		20-332	(15)		20-512	(1)		20-566	(1)		20-719	(1)	
20-258	(12)		20-333	(15)		20-513	(1)		20-567	(1)		20-720	(1)	
20-258-1	(7)		20-334	(1)		20-514	(1)		20-568	(1)		20-721	(1)	
20-259	(1)		20-335	(15)		20-515	(1)		20-569	(1)		20-722	(1)	
20-260	(15)		20-336	(1)		20-516	(1)		20-570	(15)		20-723	(1)	
20-261	(15)		20-337	(1)		20-517	(1)		20-571	(1)		20-724	(1)	
20-262	(1)		20-338	(1)		20-518	(1)		20-572	(1)		20-725	(1)	
20-263	(1)		20-339	(1)		20-519	(1)		20-573	(1)		20-726	(1)	
20-264	(1)		20-340	(1)		20-520	(1)		20-574	(1)		20-727	(1)	
20-265	(1)		20-341	(15)		20-521	(1)		20-575	(15)		20-728	(1)	
20-266	(7)		20-342	(15)		20-522	(15)		20-576	(15)		20-729	(1)	
20-267	(15)		20-343	(15)		20-523	(1)		20-577	(1)		20-730	(1)	
20-268	(15)		20-344	(15)		20-524	(15)		20-578	(1)		20-731	(1)	
20-269	(15)		20-345	(15)		20-525	(15)		20-579	(1)		20-732	(1)	
20-270	(15)		20-346	(15)		20-526	(15)		20-580	(1)		20-733	(1)	
20-271	(1)		20-347	(15)		20-527	(1)		20-581	(1)		20-801	(1)	
20-272	(15)		20-348	(1)		20-528	(1)		20-582	(15)		20-802	(1)	
20-273	(1)		20-349	(1)		20-529	(1)		20-583	(12)		20-803	(1)	
20-274	(1)		20-350	(1)		20-530	(1)		20-601	(1)		20-804	(1)	
20-275	(1)		20-401	(15)		20-531	(1)		20-602	(1)		20-806	(1)	
20-276	(1)		20-402	(15)		20-532	(1)		20-603	(1)		20-807	(1)	
20-277	(15)		20-403	(1)		20-533	(1)		20-604	(1)		20-808	(1)	
20-278	(1)		20-404	(1)		20-534	(1)		20-605	(1)		20-809	(1)	
20-301	(15)		20-405	(1)		20-535	(1)		20-606	(1)		20-810	(1)	
20-302	(7)		20-406	(15)		20-536	(15)		20-607	(1)		20-811	(1)	
20-303	(15)		20-407	(1)		20-537	(1)		20-608	(1)		20-812	(1)	
20-304	(7)		20-408	(1)		20-538	(15)		20-609	(1)		20-813	(1)	
20-305	(1)		20-409	(1)		20-539	(1)		20-610	(1)		20-814	(1)	
20-306	(1)		20-410	(15)		20-540	(1)		20-611	(1)		20-815	(1)	
20-307	(15)		20-412	(1)		20-541	(1)		20-612	(1)		20-816	(1)	
20-308	(1)		20-413	(1)		20-542	(1)		20-613	(1)		20-817	(1)	
20-309	(15)		20-414	(15)		20-543	(1)		20-614	(1)		20-818	(1)	
20-310	(15)		20-415	(15)		20-544	(1)		20-615	(1)		20-819	(1)	
20-311	(15)		20-416	(1)		20-545	(1)		20-616	(1)		20-820	(1)	
20-312	(15)		20-417	(15)		20-546	(15)		20-617	(1)		20-821	(1)	
20-313	(1)		20-418	(1)		20-547	(1)		20-618	(1)		20-822	(1)	
20-314	(1)		20-419	(15)		20-548	(1)		20-619	(1)		20-823	(1)	
20-315	(1)		20-420	(15)		20-549	(1)		20-620	(1)		20-824	(1)	
20-316	(1)		20-421	(15)		20-550	(1)		20-701	(1)		20-825	(1)	
20-317	(1)		20-422	(15)		20-551	(1)		20-702	(1)		20-826	(1)	
20-318	(15)		20-423	(15)		20-552	(1)		20-704	(1)		20-827	(15)	
20-319	(1)		20-424	(1)		20-553	(1)		20-705	(1)		20-828	(15)	
20-320	(1)		20-425	(1)		20-554	(1)		20-706	(1)		20-829	(15)	
20-321	(1)		20-426	(15)		20-555	(1)		20-707	(1)		20-830	(1)	
20-322	(1)		20-501	(1)		20-556	(1)		20-708	(1)		20-831	(1)	
20-323	(1)		20-502	(1)		20-557	(1)		20-710	(1)		20-832	(1)	
20-324	(1)		20-503	(15)		20-558	(1)		20-711	(1)		20-901	(1)	
20-325	(1)		20-504	(1)		20-559	(1)		20-712	(1)		20-902	(1)	
20-326	(1)		20-506	(1)		20-560	(1)		20-713	(1)		20-903	(12)	

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

<https://shopservicemanual.com/>

Service Manuals from 2\$