

SHOP MANUAL

KOMATSU

PC400, 400LC-7

PC450, 450LC-7

| MACHINE MODEL | SERIAL No. |
|------------------|---------------------|
| PC400-7 | 50001 and up |
| PC400LC-7 | 50001 and up |
| PC450-7 | 20001 and up |
| PC450LC-7 | 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.
- PC400, 400LC, PC450, 450LC-7 mount the SAA6D125E-3 engine.
For details of the engine, see the 125-3 Series Engine Shop Manual.

CONTENTS

| | No. of page |
|--|-------------|
| 01 GENERAL | 01-1 |
| 10 STRUCTURE, FUNCTION AND MAINTENANCE STANDARD | 10-1 |
| 20 TESTING AND ADJUSTING | 20-1 |
| 30 DISASSEMBLY AND ASSEMBLY | 30-1 |
| 90 OTHERS | 90-1 |

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 | Time of revision | Mark | Page | Time of revision | Mark | Page | Time of revision | Mark | Page | Time of revision | Mark | Page | Time of revision |
|------|--------|------------------|------|-------|------------------|------|--------|------------------|------|-------|------------------|------|----------|------------------|
| ● | 00-1 | (13) | | 00-25 | (11) | | 10-4 | | | 10-34 | | | 10-64 | (8) |
| | 00-2 | (2) | | 00-26 | (11) | | 10-6 | | | 10-35 | | | 10-65 | (8) |
| ● | 00-2-1 | (13) | | 00-27 | (11) | | 10-7 | | | 10-36 | (1) | | 10-66 | (8) |
| ● | 00-2-2 | (13) | | 00-28 | (11) | | 10-7-1 | (6) | | 10-37 | | | 10-67 | (8) |
| | 00-2-3 | (12) | | 00-29 | (11) | | 10-7-2 | (6) | | 10-38 | | | 10-68 | (8) |
| | 00-2-4 | (12) | | | | | 10-8 | | | 10-39 | | | 10-69 | (8) |
| ● | 00-2-5 | (13) | | | | | 10-9 | | | 10-40 | | | 10-70 | (8) |
| | 00-3 | (11) | | 01-1 | (8) | | 10-10 | | | 10-41 | | | 10-71 | (8) |
| | 00-4 | (11) | | 01-2 | (8) | | 10-12 | | | 10-42 | | | 10-71-1 | (8) |
| | 00-5 | (11) | | 01-3 | (8) | | 10-13 | (9) | | 10-43 | | | 10-71-2 | (8) |
| | 00-6 | (11) | | 01-4 | (8) | | 10-14 | | | 10-44 | | | 10-71-3 | (8) |
| | 00-7 | (11) | | 01-5 | (8) | | 10-15 | (9) | | 10-45 | | | 10-71-4 | (8) |
| | 00-8 | (11) | | 01-6 | (8) | | 10-16 | (9) | | 10-46 | (1) | | 10-71-5 | (8) |
| | 00-9 | (11) | | 01-7 | (8) | | 10-17 | (9) | | 10-47 | | | 10-71-6 | (8) |
| | 00-10 | (11) | | 01-8 | (8) | | 10-18 | | | 10-48 | | | 10-71-7 | (8) |
| | 00-11 | (11) | | 01-9 | (8) | | 10-19 | (9) | | 10-50 | (8) | | 10-71-8 | (8) |
| | 00-12 | (11) | | 01-10 | (8) | | 10-20 | | | 10-51 | (8) | | 10-71-9 | (8) |
| | 00-13 | (11) | | 01-11 | (8) | | 10-21 | | | 10-52 | (8) | | 10-71-10 | (8) |
| | 00-14 | (11) | | 01-12 | (8) | | 10-22 | | | 10-53 | (8) | | 10-71-11 | (8) |
| | 00-15 | (11) | | 01-13 | (8) | | 10-23 | | | 10-54 | (8) | | 10-71-12 | (8) |
| | 00-16 | (11) | | 01-14 | (8) | | 10-24 | | | 10-55 | (8) | | 10-71-13 | (8) |
| | 00-17 | (11) | | 01-15 | (8) | | 10-26 | (8) | | 10-56 | (8) | | 10-71-14 | (8) |
| | 00-18 | (11) | | 01-16 | (8) | | 10-27 | | | 10-57 | (8) | | 10-71-15 | (8) |
| | 00-19 | (11) | | 01-17 | (8) | | 10-28 | | | 10-58 | (8) | | 10-71-16 | (8) |
| | 00-20 | (11) | | | | | 10-29 | (1) | | 10-59 | (8) | | 10-71-17 | (8) |
| | 00-21 | (11) | | | | | 10-30 | | | 10-60 | (8) | | 10-71-18 | (8) |
| | 00-22 | (11) | | 10-1 | (8) | | 10-31 | | | 10-61 | (8) | | 10-71-19 | (8) |
| | 00-23 | (11) | | 10-2 | | | 10-32 | (1) | | 10-62 | (8) | | 10-71-20 | (8) |
| | 00-24 | (11) | | 10-3 | | | 10-33 | | | 10-63 | (8) | | 10-71-21 | (8) |

LIST OF REVISED PAGES

| Mark | Page | Time of revision | Mark | Page | Time of revision | Mark | Page | Time of revision | Mark | Page | Time of revision | Mark | Page | Time of revision |
|------|----------|------------------|------|----------|------------------|------|----------|------------------|------|----------|------------------|------|--------|------------------|
| | 10-71-22 | (8) | | 10-79 | (1) | | 10-139-1 | (8) | | 10-179 | | | 20-10 | (1) |
| | 10-71-23 | (8) | | 10-80 | | ● | 10-139-2 | (13) | | 10-180 | (8) | | 20-11 | (1) |
| | 10-71-24 | (8) | | 10-82 | | | 10-140 | | | 10-181 | (8) | | 20-12 | (9) |
| | 10-71-25 | (8) | | 10-83 | | | 10-141 | | | 10-182 | (1) | | 20-13 | (9) |
| | 10-71-26 | (8) | | 10-84 | | | 10-142 | | | 10-183 | (8) | | 20-14 | (9) |
| | 10-71-27 | (8) | | 10-85 | | | 10-143 | (3) | | 10-184 | (8) | | 20-15 | (9) |
| | 10-71-28 | (8) | | 10-86 | | | 10-144 | | | 10-185 | (8) | | 20-16 | (9) |
| | 10-71-29 | (8) | | 10-87 | | | 10-145 | (1) | | 10-186 | | | 20-17 | (9) |
| | 10-71-30 | (8) | | 10-88 | | | 10-146 | | | 10-187 | | | 20-18 | (9) |
| | 10-71-31 | (8) | | 10-89 | | | 10-147 | | | 10-188 | | | 20-19 | (9) |
| | 10-71-32 | (8) | | 10-90 | (1) | | 10-148 | (1) | | 10-189 | | | 20-20 | (9) |
| | 10-71-33 | (8) | | 10-91 | | | 10-149 | | | 10-190 | | | | |
| | 10-71-34 | (8) | | 10-92 | | | 10-151 | | | 10-191 | | | 20-101 | (7) |
| | 10-71-35 | (8) | | 10-95 | | | 10-152 | (1) | | 10-192 | (1) | | 20-102 | (11) |
| | 10-71-36 | (8) | | 10-96 | | | 10-153 | | | 10-193 | | | 20-103 | (11) |
| | 10-71-37 | (8) | | 10-97 | | | 10-154 | | | 10-194 | | | 20-104 | (1) |
| | 10-71-38 | (8) | | 10-98 | | | 10-155 | | | 10-195 | (1) | | 20-105 | (1) |
| | 10-71-39 | (8) | | 10-99 | | | 10-156 | | | 10-196 | | | 20-106 | (1) |
| | 10-71-40 | (8) | | 10-100 | | | 10-157 | | | 10-197 | (4) | | 20-107 | (11) |
| | 10-71-41 | (8) | | 10-101 | | | 10-158 | | | 10-197-1 | (4) | | 20-108 | (11) |
| | 10-71-42 | (8) | | 10-102 | | | 10-159 | | | 10-197-2 | (4) | | 20-109 | (1) |
| | 10-71-43 | (8) | | 10-103 | | | 10-160 | | | 10-197-3 | (4) | | 20-110 | (11) |
| | 10-71-44 | (8) | | 10-104 | | | 10-161 | | | 10-197-4 | (4) | | 20-111 | (1) |
| | 10-71-45 | (8) | | 10-105 | | | 10-162 | | | 10-197-5 | (4) | | 20-112 | (1) |
| | 10-71-46 | (8) | | 10-106 | | | 10-163 | (1) | | 10-197-6 | (4) | | 20-113 | (11) |
| | 10-71-47 | (8) | | 10-107 | | | 10-164 | | | 10-197-7 | (4) | | 20-114 | (1) |
| | 10-71-48 | (8) | | 10-108 | | | 10-165 | (1) | | 10-198 | (8) | | 20-115 | (11) |
| | 10-71-49 | (8) | | 10-109 | | | 10-166 | (1) | | 10-199 | | | 20-116 | (1) |
| | 10-71-50 | (8) | | 10-110 | | | 10-167 | | | 10-200 | | | 20-117 | (1) |
| | 10-71-51 | (8) | | 10-111 | | | 10-168 | | | | | | 20-118 | (1) |
| | 10-71-52 | (8) | | 10-112 | | | 10-169 | | | | | | 20-119 | (1) |
| | 10-71-53 | (8) | | 10-113 | | | 10-170 | | | 20-1 | (9) | | 20-120 | (1) |
| | 10-71-54 | (8) | | 10-114 | | | 10-171 | (1) | | 20-2 | (9) | | 20-121 | (1) |
| | 10-71-55 | (8) | | 10-115 | | | 10-172 | | | 20-3 | (9) | | 20-122 | (1) |
| | 10-72 | | | 10-136 | (8) | | 10-173 | | | 20-4 | (9) | | 20-123 | (1) |
| | 10-74 | | ● | 10-137 | (13) | | 10-174 | (1) | | 20-5 | (1) | | 20-124 | (11) |
| | 10-75 | | | 10-137-1 | (8) | | 10-175 | | | 20-6 | (1) | | 20-125 | (1) |
| | 10-76 | (1) | ● | 10-137-2 | (13) | | 10-176 | (1) | | 20-7 | (1) | | 20-126 | (1) |
| | 10-77 | (1) | | 10-138 | (8) | | 10-177 | | | 20-8 | (1) | | 20-127 | (1) |
| | 10-78 | | ● | 10-139 | (13) | | 10-178 | | | 20-9 | (1) | | 20-128 | (11) |

LIST OF REVISED PAGES

| Mark | Page | Time of revision | Mark | Page | Time of revision | Mark | Page | Time of revision | Mark | Page | Time of revision | Mark | Page | Time of revision |
|------|--------|------------------|------|-----------|------------------|------|--------|------------------|------|--------|------------------|------|--------|------------------|
| | 20-129 | (11) | | 20-169 | (1) | | 20-201 | (11) | | 20-241 | (11) | | 20-308 | (1) |
| | 20-130 | (11) | | 20-170 | (1) | | 20-202 | (1) | | 20-242 | (11) | | 20-309 | (1) |
| | 20-131 | (1) | | 20-171 | (1) | | 20-203 | (1) | | 20-243 | (11) | | 20-310 | (1) |
| | 20-132 | (11) | | 20-172 | (1) | | 20-204 | (1) | | 20-244 | (11) | | 20-311 | (1) |
| | 20-133 | (1) | | 20-173 | (1) | | 20-205 | (1) | | 20-245 | (11) | | 20-312 | (1) |
| | 20-134 | (11) | | 20-174 | (1) | | 20-206 | (1) | | 20-246 | (11) | | 20-313 | (1) |
| | 20-135 | (11) | | 20-175 | (1) | | 20-207 | (1) | | 20-247 | (11) | | 20-314 | (1) |
| | 20-136 | (1) | | 20-176 | (1) | | 20-208 | (1) | | 20-248 | (11) | | 20-315 | (1) |
| | 20-137 | (11) | | 20-177 | (1) | | 20-209 | (1) | | 20-249 | (11) | | 20-316 | (1) |
| | 20-138 | (1) | | 20-178 | (1) | | 20-210 | (1) | | 20-250 | (11) | | 20-317 | (1) |
| | 20-139 | (1) | | 20-179 | (1) | | 20-211 | (1) | | 20-251 | (11) | | 20-318 | (1) |
| | 20-140 | (11) | | 20-179-2 | (7) | | 20-212 | (1) | | 20-252 | (11) | | 20-319 | (1) |
| | 20-141 | (1) | | 20-179-3 | (7) | | 20-213 | (1) | | 20-253 | (11) | | 20-320 | (1) |
| | 20-142 | (11) | | 20-179-4 | (7) | | 20-214 | (1) | | 20-254 | (11) | | 20-321 | (1) |
| | 20-143 | (1) | | 20-179-5 | (7) | | 20-215 | (1) | | 20-255 | (11) | | 20-322 | (1) |
| | 20-144 | (1) | | 20-179-6 | (7) | | 20-216 | (1) | | 20-256 | (11) | | 20-324 | (1) |
| | 20-145 | (1) | | 20-179-7 | (7) | | 20-217 | (4) | | 20-257 | (11) | | 20-325 | (1) |
| | 20-146 | (1) | | 20-179-8 | (7) | | 20-218 | (4) | | 20-258 | (11) | | 20-326 | (1) |
| | 20-147 | (1) | | 20-179-9 | (7) | | 20-219 | (4) | | 20-259 | (11) | | 20-327 | (1) |
| | 20-148 | (1) | | 20-179-10 | (7) | | 20-220 | (4) | | 20-260 | (11) | | 20-328 | (1) |
| | 20-149 | (1) | | 20-179-11 | (7) | | 20-221 | (1) | | 20-261 | (11) | | 20-329 | (1) |
| | 20-150 | (1) | | 20-179-12 | (7) | | 20-222 | (1) | | 20-262 | (11) | | 20-330 | (1) |
| | 20-151 | (1) | | 20-179-13 | (7) | | 20-223 | (4) | | 20-263 | (11) | | 20-331 | (1) |
| | 20-152 | (1) | | 20-179-14 | (7) | | 20-224 | (1) | | 20-264 | (11) | | 20-332 | (1) |
| | 20-153 | (1) | | 20-179-15 | (7) | | 20-225 | (1) | | 20-265 | (11) | | 20-333 | (1) |
| | 20-154 | (1) | | 20-179-16 | (7) | | 20-226 | (1) | | 20-266 | (11) | | 20-334 | (1) |
| | 20-155 | (1) | | 20-179-17 | (7) | | 20-227 | (1) | | 20-267 | (11) | | 20-336 | (1) |
| | 20-156 | (1) | | 20-179-18 | (9) | | 20-228 | (1) | | 20-268 | (11) | | 20-337 | (1) |
| | 20-157 | (1) | | 20-179-19 | (9) | | 20-229 | (1) | | 20-269 | (11) | | 20-338 | (1) |
| | 20-158 | (1) | | 20-179-20 | (11) | | 20-230 | (1) | | 20-270 | (11) | | 20-339 | (1) |
| | 20-159 | (1) | | 20-180 | (1) | | 20-231 | (1) | | 20-271 | (11) | | 20-340 | (1) |
| | 20-160 | (1) | | 20-181 | (1) | | 20-232 | (4) | | 20-272 | (11) | | 20-341 | (1) |
| | 20-161 | (1) | | 20-182 | (1) | | 20-233 | (4) | | 20-273 | (11) | | 20-342 | (1) |
| | 20-162 | (1) | | 20-183 | (1) | | 20-234 | (11) | | | | | 20-343 | (1) |
| | 20-163 | (1) | | 20-184 | (1) | | 20-235 | (11) | | 20-301 | (1) | | 20-344 | (1) |
| | 20-164 | (1) | | 20-185 | (1) | | 20-236 | (11) | | 20-302 | (1) | | 20-345 | (1) |
| | 20-165 | (1) | | 20-186 | (1) | | 20-237 | (11) | | 20-304 | (1) | | 20-346 | (1) |
| | 20-166 | (1) | | 20-187 | (1) | | 20-238 | (11) | | 20-305 | (1) | | 20-347 | (1) |
| | 20-167 | (1) | | 20-188 | (1) | | 20-239 | (11) | | 20-306 | (1) | | 20-348 | (1) |
| | 20-168 | (1) | | 20-189 | (1) | | 20-240 | (11) | | 20-307 | (1) | | 20-349 | (1) |

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

<https://shopservicemanual.com/>

Service Manuals from 2\$