

SHOP MANUAL

KOMATSU

PC100-5

PC120-5

PC120-5 MIGHTY

| MACHINE MODEL | SERIAL No. |
|-----------------------|---------------------|
| PC100-5 | 28001 and up |
| PC120-5 | 30001 and up |
| PC120-5 MIGHTY | 36601 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.
- PC100, 120-5 mount the S4D95L-1 engine;
For details of the engine, see the 95 Series Engine Shop Manual.

CONTENTS

| | No. of page |
|--|-------------|
| 10 STRUCTURE AND FUNCTION | 10-1 |
| 20 TESTING AND ADJUSTING | 20-1 |
| 30 DISASSEMBLY AND ASSEMBLY | 30-1 |
| 40 MAINTENANCE STANDARD | 40-1 |

020205

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 | ⑧ | | 10-13 | | | 10-43-2 | ⑤ | | 10-78 | ⑤ | | 10-103 | ⑦ |
| ● | 00-2 | ⑧ | ● | 10-14 | ⑧ | | 10-44 | ⑤ | | 10-78-1 | ⑦ | | 10-104 | ⑦ |
| ● | 00-2-1 | ⑧ | | 10-15 | ⑦ | | 10-46 | ⑤ | | 10-78-2 | ④ | | 10-105 | ⑦ |
| ● | 00-2-2 | ⑧ | ○ | 10-16 | ⑧ | | 10-47 | ⑤ | | 10-79 | ⑤ | | 10-106 | ⑦ |
| ● | 00-2-3 | ⑧ | | 10-17 | ⑦ | | 10-47-1 | ⑦ | | 10-79-1 | ⑤ | | 10-107 | ⑦ |
| | 00-3 | | | 10-18 | ⑦ | | 10-47-2 | ⑤ | | 10-79-2 | ⑤ | | 10-108 | ⑦ |
| | 00-4 | | ● | 10-19 | ⑧ | | 10-48 | | | 10-79-3 | ⑦ | | 10-109 | ① |
| | 00-5 | | ● | 10-20 | ⑧ | | 10-50 | | | 10-79-4 | ⑤ | | 10-110 | ⑦ |
| | 00-6 | | ● | 10-20-1 | ⑧ | | 10-51 | | | 10-80 | ⑤ | | 10-112 | ⑤ |
| | 00-7 | | ● | 10-20-2 | ⑧ | | 10-52 | | | 10-80-1 | ⑦ | | 10-112-1 | ⑦ |
| | 00-8 | | ● | 10-20-3 | ⑧ | | 10-53 | ③ | | 10-80-2 | ⑤ | | 10-112-2 | ⑤ |
| | 00-9 | | ● | 10-20-5 | ⑧ | | 10-54 | ⑦ | | 10-81 | ⑤ | | 10-113 | ⑦ |
| | 00-10 | | | 10-20-6 | ⑤ | | 10-55 | | | 10-83 | | | 10-114 | ③ |
| | 00-11 | | | 10-21 | ⑦ | | 10-56 | | | 10-84 | ③ | | 10-115 | ③ |
| | 00-12 | | | 10-22 | ⑤ | | 10-57 | | | 10-86 | ⑤ | | 10-116 | ⑤ |
| | 00-13 | | | 10-22-1 | ④ | | 10-58 | | | 10-87 | ① | | 10-117 | ⑤ |
| | 00-14 | | | 10-22-2 | ④ | | 10-59 | | | 10-87-1 | ⑦ | | 10-117-1 | ⑦ |
| | 00-15 | | | 10-23 | ④ | | 10-60 | | | 10-87-2 | ⑤ | | 10-118 | ④ |
| | 00-16 | | | 10-24 | ④ | | 10-62 | ③ | | 10-88 | ⑤ | | 10-119 | ① |
| | 00-18 | ⑦ | | 10-25 | | | 10-63 | | | 10-89 | ④ | | 10-120 | ① |
| | 00-19 | ⑦ | | 10-26 | ④ | | 10-64 | | | 10-90-2 | ⑤ | | 10-121 | ① |
| | 00-20 | ⑦ | | 10-27 | | | 10-65 | | | 10-90-3 | ④ | | 10-122 | |
| | 00-21 | ⑦ | | 10-28 | ④ | | 10-66 | | | 10-90-6 | ⑦ | | 10-123 | ④ |
| | 00-22 | ⑦ | | 10-29 | ④ | | 10-67 | | | 10-90-7 | ⑤ | | 10-124 | |
| | | | | 10-30 | ④ | | 10-68 | | | 10-91 | | | 10-125 | |
| | 10-1 | ⑤ | | 10-31 | ④ | | 10-69-1 | ⑤ | | 10-92 | ④ | | 10-126 | ⑦ |
| | 10-2 | | | 10-32 | ④ | | 10-69-2 | ⑦ | | 10-93 | | | 10-126-1 | ③ |
| | 10-3 | ⑤ | | 10-33 | ④ | | 10-70 | ⑤ | | 10-94 | ④ | | 10-126-2 | ⑤ |
| | 10-4 | ⑦ | | 10-34 | ④ | | 10-71 | | | 10-95 | ④ | | 10-127 | ⑤ |
| | 10-4-1 | ⑤ | | 10-35 | ④ | | 10-72 | | | 10-96 | ④ | | 10-128 | ⑤ |
| | 10-4-2 | ⑤ | | 10-36 | ④ | | 10-73 | | | 10-97 | | | 10-129 | ⑦ |
| | 10-5 | ⑦ | | 10-37 | ④ | | 10-73-1 | ⑦ | | 10-98 | ④ | | 10-130 | ① |
| | 10-6 | ④ | | 10-38 | ④ | | 10-73-2 | ⑤ | | 10-99 | ④ | | 10-131 | ⑤ |
| | 10-7 | ③ | | 10-39 | ④ | | 10-73-3 | ⑤ | | 10-99-1 | ④ | | 10-132 | ⑦ |
| | 10-8 | | | 10-40 | ④ | | 10-73-4 | ⑤ | | 10-99-2 | ⑦ | | 10-133 | ⑤ |
| | 10-9 | | | 10-41 | | | 10-74 | ⑤ | | 10-99-4 | ⑤ | | | |
| | 10-10 | | | 10-42 | ⑤ | | 10-75 | ⑦ | | 10-100 | ⑤ | | 20-1 | ⑥ |
| | 10-11 | ⑦ | | 10-43 | ⑤ | | 10-76 | ⑤ | | 10-101 | ⑦ | | 20-2 | ① |
| | 10-12 | | | 10-43-1 | ⑦ | | 10-77 | ⑦ | | 10-102 | ① | | 20-3 | ⑥ |

020205

| Mark | Page | Revision number | Mark | Page | Revision number | Mark | Page | Revision number | Mark | Page | Revision number | Mark | Page | Revision number |
|------|----------|-----------------|------|---------|-----------------|------|----------|-----------------|------|----------|-----------------|------|--------|-----------------|
| | 20-4 | ⑥ | | 20-47 | ① | ● | 20-92 | ⑧ | | 20-138 | ⑥ | | 20-191 | ① |
| | 20-5 | ⑥ | | 20-48 | ⑦ | | 20-93 | ① | | 20-139 | ① | | 20-192 | ① |
| | 20-6 | ⑥ | | 20-49 | ⑦ | | 20-94 | ① | | 20-140 | ① | | 20-193 | ① |
| | 20-7 | ⑦ | | 20-50 | ⑥ | ● | 20-95 | ⑧ | | 20-141 | ① | | 20-194 | ① |
| | 20-8 | ⑥ | | 20-51 | ⑦ | | 20-96 | ④ | | 20-142 | ① | | 20-195 | ① |
| | 20-9 | ① | | 20-51-1 | ⑥ | | 20-97 | ⑥ | | 20-143 | ① | | 20-196 | ① |
| | 20-10 | ④ | | 20-51-2 | ⑦ | | 20-98 | ⑥ | | 20-144 | ① | | 20-197 | ① |
| | 20-11 | ④ | | 20-52 | ① | ● | 20-99 | ⑧ | | 20-145 | ① | | 20-198 | ① |
| | 20-12 | ④ | | 20-53-1 | ⑥ | | 20-100 | ⑥ | | 20-146 | ⑥ | | 20-199 | ① |
| | 20-13 | ④ | | 20-53-2 | ⑦ | | 20-101 | ① | | 20-147 | ① | | 20-200 | ① |
| | 20-14 | ④ | | 20-54 | ① | | 20-101-1 | ⑦ | | 20-148 | ① | | 20-201 | ⑥ |
| | 20-15 | ④ | | 20-55 | ① | | 20-101-2 | ⑥ | | 20-149 | ① | | 20-202 | ⑦ |
| | 20-16 | ⑥ | | 20-56 | ④ | | 20-102 | ⑥ | | 20-150 | ① | | 20-203 | ⑥ |
| | 20-18 | ⑥ | | 20-57 | ⑦ | | 20-103 | ① | | 20-151 | ① | | 20-204 | ① |
| | 20-19 | ④ | | 20-58 | ⑦ | | 20-104 | ① | | 20-152 | ① | | 20-205 | ① |
| | 20-20 | ⑥ | | 20-59 | ⑥ | | 20-105 | ① | | 20-153 | ① | | 20-206 | ① |
| | 20-21 | ① | | 20-60 | ① | | 20-107 | ⑥ | | 20-154 | ① | | 20-207 | ① |
| | 20-22 | ① | | 20-61 | ① | | 20-108 | ⑦ | | 20-155 | ① | ● | 20-208 | ⑧ |
| | 20-23 | ④ | | 20-62 | ③ | | 20-109 | ① | | 20-156 | ① | | 20-209 | ⑦ |
| | 20-24 | ① | | 20-63 | ③ | | 20-110 | ⑥ | | 20-157 | ① | | 20-210 | ⑦ |
| | 20-25 | ① | | 20-64 | ③ | | 20-111 | ① | | 20-158 | ① | | 20-211 | ⑦ |
| | 20-26 | ④ | | 20-65 | ③ | | 20-111-1 | ⑦ | | 20-159 | ⑥ | | 20-212 | ⑥ |
| | 20-27 | ① | | 20-66 | ③ | | 20-111-2 | ⑥ | | 20-160 | ① | | 20-213 | ① |
| | 20-28 | ① | | 20-67 | ① | | 20-112 | ① | | 20-161 | ⑥ | | 20-214 | ① |
| | 20-28-1 | ⑦ | | 20-68 | ① | | 20-113 | ⑥ | | 20-162 | ① | | 20-215 | ① |
| | 20-28-2 | ⑥ | | 20-69 | ① | | 20-114 | ⑦ | | 20-163 | ① | | 20-216 | ① |
| | 20-28-3 | ⑥ | | 20-70 | ⑥ | | 20-115 | ⑥ | | 20-164 | ⑥ | | 20-217 | ⑥ |
| | 20-28-4 | ⑥ | | 20-71 | ⑦ | | 20-116 | ① | | 20-165 | ① | | 20-218 | ⑥ |
| | 20-28-5 | ⑥ | | 20-71-1 | ⑥ | | 20-117 | ① | | 20-166 | ① | | 20-219 | ① |
| | 20-28-6 | ⑥ | | 20-71-2 | ⑦ | | 20-118 | ① | | 20-167 | ① | | 20-220 | ⑦ |
| | 20-28-7 | ⑥ | | 20-72 | ③ | | 20-120 | ① | | 20-168 | ① | | 20-221 | ⑥ |
| | 20-28-8 | ⑥ | | 20-73 | ⑥ | | 20-121 | ① | | 20-169 | ① | | 20-222 | ⑥ |
| | 20-28-9 | ⑥ | | 20-73-1 | ⑦ | | 20-122 | ⑥ | | 20-170 | ① | | 20-223 | ① |
| | 20-28-10 | ⑥ | | 20-74 | ⑥ | | 20-123 | ① | | 20-171 | ⑥ | | 20-224 | ③ |
| | 20-28-11 | ⑥ | | 20-75 | ③ | | 20-123-1 | ⑦ | | 20-172 | ③ | | 20-225 | ③ |
| | 20-29 | ⑦ | ● | 20-75-1 | ⑧ | | 20-123-2 | ⑥ | | 20-173 | ① | | 20-226 | ③ |
| | 20-30 | ① | ● | 20-75-2 | ⑧ | | 20-124 | ① | | 20-174 | ③ | | 20-227 | ③ |
| | 20-31 | ① | | 20-77 | ① | | 20-125 | ① | | 20-175 | ① | | 20-228 | ⑦ |
| | 20-32 | ③ | | 20-78 | ① | | 20-126 | ③ | | 20-176 | ③ | | 20-229 | ③ |
| | 20-33 | ④ | | 20-79 | ① | | 20-127 | ① | | 20-177 | ① | | 20-230 | ⑥ |
| | 20-34 | ④ | ● | 20-80 | ⑧ | | 20-128 | ③ | | 20-178 | ① | | 20-231 | ⑥ |
| | 20-35 | ④ | | 20-81 | ① | | 20-129 | ① | | 20-179 | ① | | 20-232 | ⑥ |
| | 20-36 | ④ | | 20-82 | ① | | 20-130 | ⑥ | | 20-180 | ① | | 20-233 | ⑥ |
| | 20-37 | ④ | | 20-83 | ① | | 20-131 | ③ | | 20-182 | ⑥ | | | |
| | 20-38 | ① | | 20-84 | ④ | | 20-131-1 | ⑦ | | 20-183 | ① | | 30-1 | ③ |
| | 20-39 | ① | | 20-85 | ④ | | 20-131-2 | ⑥ | | 20-183-1 | ⑦ | | 30-2 | ⑦ |
| | 20-40 | ① | | 20-86 | ④ | | 20-132 | ① | | 20-183-2 | ⑥ | | 30-3 | ② |
| | 20-41 | ① | | 20-87 | ④ | | 20-133 | ⑥ | | 20-184 | ⑥ | | 30-4 | ② |
| | 20-42 | ④ | | 20-88 | ④ | | 20-135 | ⑥ | | 20-185 | ① | | 30-5 | ② |
| | 20-43 | ① | | 20-89 | ④ | | 20-135-1 | ⑦ | | 20-186 | ① | | 30-6 | ② |
| | 20-44 | ① | | 20-90 | ④ | | 20-136 | ⑥ | | 20-188 | ① | | 30-6-1 | ④ |
| | 20-45 | ① | | 20-91 | ④ | | 20-136-1 | ⑦ | | 20-189 | ① | | 30-7 | ② |
| | 20-46 | ① | | 20-91-1 | ③ | | 20-137 | ① | | 20-190 | ① | | 30-8 | ② |

020205

020205

| Mark | Page | Revision number | Mark | Page | Revision number | Mark | Page | Revision number | Mark | Page | Revision number | Mark | Page | Revision number |
|------|----------|-----------------|------|----------|-----------------|------|----------|-----------------|------|---------|-----------------|------|------|-----------------|
| ● | 30-9 | ⑧ | | 30-43-20 | ⑦ | | 30-63-13 | ③ | | 40-9 | | | | |
| | 30-10 | ② | | 30-43-21 | ③ | | 30-63-14 | ④ | ● | 40-10 | ⑧ | | | |
| | 30-12 | ② | | 30-43-22 | ③ | | 30-64 | ② | | 40-10-1 | ③ | | | |
| | 30-13 | ② | | 30-43-23 | ④ | | 30-65 | ② | ○ | 40-10-2 | ⑧ | | | |
| | 30-14 | ② | | 30-43-24 | ④ | | 30-66 | ② | | 40-11 | ③ | | | |
| | 30-15 | ② | | 30-43-25 | ③ | | 30-67 | ② | | 40-12 | ④ | | | |
| | 30-16 | ② | | 30-43-26 | ③ | | 30-68 | ② | | 40-13 | ⑤ | | | |
| | 30-17 | ② | | 30-43-27 | ⑦ | | 30-69 | ② | | 40-14 | ⑤ | | | |
| | 30-18 | ② | | 30-43-28 | ⑦ | | 30-70 | ② | | 40-15 | | | | |
| | 30-19 | ② | | 30-43-29 | ⑦ | | 30-71 | ② | | 40-15-2 | ⑦ | | | |
| | 30-20 | ② | | 30-43-30 | ⑦ | | 30-72 | ④ | | 40-15-3 | ⑤ | | | |
| | 30-21 | ② | | 30-44 | ② | | 30-73 | ② | | 40-15-4 | ⑤ | | | |
| | 30-22 | ② | | 30-45 | ② | | 30-74 | ⑦ | | 40-17 | ⑤ | | | |
| | 30-23 | ② | | 30-46 | ② | | 30-75 | ⑦ | | 40-18 | ⑤ | | | |
| | 30-24 | ② | | 30-47 | ② | | 30-75-1 | ⑦ | | 40-19 | | | | |
| | 30-25 | ② | | 30-48 | ② | | 30-75-2 | ⑦ | | 40-19-2 | ⑦ | | | |
| | 30-26 | ② | | 30-49 | ② | | 30-75-3 | ⑦ | | 40-19-3 | ⑤ | | | |
| | 30-27 | ② | | 30-50 | ② | | 30-75-4 | ⑦ | | 40-19-4 | ⑤ | | | |
| | 30-28 | ② | | 30-51 | ② | | 30-76 | ② | | 40-20 | ③ | | | |
| | 30-29 | ② | | 30-51-1 | ④ | | 30-77 | ② | | 40-20-1 | ③ | | | |
| | 30-30 | ② | | 30-51-2 | ④ | | 30-78 | ④ | | 40-21 | ③ | | | |
| | 30-31 | ② | | 30-51-3 | ③ | | 30-79 | ④ | | 40-22 | ⑤ | | | |
| | 30-32 | ② | | 30-51-4 | ③ | | 30-80 | ④ | | 40-23 | ⑦ | | | |
| | 30-33 | ② | | 30-51-5 | ⑦ | | 30-81 | ④ | | 40-23-1 | ⑤ | | | |
| | 30-34 | ② | | 30-51-6 | ⑦ | | 30-81-1 | ④ | | 40-23-2 | ⑦ | | | |
| | 30-35 | ② | | 30-51-7 | ④ | | 30-81-2 | ④ | | 40-24 | ③ | | | |
| | 30-36 | ④ | | 30-51-8 | ④ | | 30-82 | ② | | 40-25 | ⑦ | | | |
| | 30-37 | ② | | 30-51-9 | ④ | | 30-83 | ② | | 40-26 | ④ | | | |
| | 30-38 | ④ | | 30-51-10 | ④ | | 30-84 | ② | ● | 40-27 | ⑧ | | | |
| | 30-39 | ② | | 30-52 | ② | | 30-85 | ② | | | | | | |
| | 30-40 | ② | | 30-53 | ② | | 30-86 | ④ | | | | | | |
| | 30-41 | ② | | 30-54 | ② | | 30-87 | ② | | | | | | |
| | 30-42 | ② | | 30-55 | ② | | 30-88 | ④ | | | | | | |
| | 30-43 | ② | | 30-56 | ② | | 30-89 | ④ | | | | | | |
| | 30-43-1 | ⑦ | | 30-57 | ② | | 30-90 | ④ | | | | | | |
| | 30-43-2 | ③ | | 30-58 | ② | | 30-91 | ④ | | | | | | |
| | 30-43-3 | ③ | | 30-59 | ② | | 30-92 | ④ | | | | | | |
| | 30-43-4 | ③ | | 30-60 | ② | | 30-93 | ④ | | | | | | |
| | 30-43-5 | ③ | | 30-61 | ② | | 30-94 | ② | | | | | | |
| | 30-43-6 | ③ | | 30-62 | ② | | 30-95 | ② | | | | | | |
| | 30-43-7 | ③ | | 30-63 | ② | | 30-96 | ② | | | | | | |
| | 30-43-8 | ③ | | 30-63-1 | ④ | | 30-97 | ② | | | | | | |
| | 30-43-9 | ⑦ | | 30-63-2 | ④ | | 30-98 | ② | | | | | | |
| | 30-43-10 | ③ | | 30-63-3 | ③ | | 30-99 | ② | | | | | | |
| | 30-43-11 | ③ | | 30-63-4 | ③ | | | | | | | | | |
| | 30-43-12 | ③ | | 30-63-5 | ③ | | 40-1 | ⑤ | | | | | | |
| | 30-43-13 | ③ | | 30-63-6 | ③ | | 40-2 | ③ | | | | | | |
| | 30-43-14 | ③ | | 30-63-7 | ③ | | 40-3 | | | | | | | |
| | 30-43-15 | ③ | | 30-63-8 | ③ | | 40-4 | ④ | | | | | | |
| | 30-43-16 | ③ | | 30-63-9 | ④ | | 40-5 | ③ | | | | | | |
| | 30-43-17 | ③ | | 30-63-10 | ④ | | 40-6 | | | | | | | |
| | 30-43-18 | ③ | | 30-63-11 | ③ | | 40-7 | | | | | | | |
| | 30-43-19 | ⑦ | | 30-63-12 | ③ | | 40-8 | | | | | | | |

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

<https://shopservicemanual.com/>

Service Manuals from 2\$