

# SHOP MANUAL

# KOMATSU *ADVANCE* **LOADER** **WA800-3**

MACHINE MODEL

SERIAL NO.

**WA800-3**

**50001 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.
- WA800-3 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> |

**LIST OF REVISED PAGES**

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 PAGE**

| 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   | (19)             |      | 00-22 |                  |      | 10-14   |                  |      | 10-40   |                  |      | 10-65    | (6)              |
|      | 00- 2   | (1)              |      |       |                  |      | 10-15   |                  |      | 10-41   |                  |      | 10-65-1  | (6)              |
| ●    | 00- 2-1 | (19)             |      |       |                  |      | 10-16   |                  |      | 10-42   |                  |      | 10-65-2  | (6)              |
|      | 00- 2-2 | (12)             |      | 01- 1 |                  |      | 10-17   |                  |      | 10-44   |                  |      | 10-65-3  | (6)              |
| ●    | 00- 2-3 | (19)             |      | 01- 2 |                  |      | 10-18   |                  |      | 10-45   |                  |      | 10-65-4  | (6)              |
| ●    | 00- 2-4 | (19)             |      | 01- 3 | (6)              |      | 10-19   |                  |      | 10-46   |                  |      | 10-65-5  | (6)              |
| ●    | 00- 2-5 | (19)             |      | 01- 4 | (6)              |      | 10-20   | (8)              |      | 10-47   |                  |      | 10-65-6  | (6)              |
| ●    | 00- 2-6 | (19)             |      | 01- 5 | (6)              |      | 10-21   |                  |      | 10-48   |                  |      | 10-65-7  | (6)              |
| ●    | 00- 2-7 | (19)             |      | 01- 6 | (6)              |      | 10-21-1 | (8)              |      | 10-49   |                  |      | 10-65-8  | (6)              |
|      | 00- 3   |                  |      | 01- 7 | (6)              |      | 10-21-2 | (8)              |      | 10-50   |                  |      | 10-65-9  | (6)              |
|      | 00- 4   |                  |      | 01- 8 | (18)             |      | 10-22   |                  |      | 10-51   |                  |      | 10-65-10 | (6)              |
|      | 00- 5   |                  |      | 01- 9 | (18)             |      | 10-23   | (8)              |      | 10-52   |                  |      | 10-66    |                  |
|      | 00- 6   |                  |      | 01-10 | (11)             |      | 10-24   | (8)              |      | 10-53   |                  |      | 10-67    |                  |
|      | 00- 7   |                  |      |       |                  |      | 10-25   | (8)              |      | 10-54   |                  |      | 10-68    |                  |
|      | 00- 8   |                  |      |       |                  |      | 10-26   | (8)              |      | 10-56   |                  |      | 10-69    |                  |
|      | 00- 9   |                  |      | 10- 1 | (11)             |      | 10-27   | (8)              |      | 10-57   |                  |      | 10-70    |                  |
|      | 00-10   |                  |      | 10- 2 |                  |      | 10-28   |                  |      | 10-58   |                  |      | 10-71    |                  |
|      | 00-11   |                  |      | 10- 3 |                  |      | 10-29   |                  |      | 10-59   |                  |      | 10-72    |                  |
|      | 00-12   |                  |      | 10- 4 |                  |      | 10-30   |                  |      | 10-60   | (5)              |      | 10-73    |                  |
|      | 00-13   |                  |      | 10- 5 |                  |      | 10-31   |                  |      | 10-60-1 | (5)              |      | 10-74    |                  |
|      | 00-14   |                  |      | 10- 6 |                  |      | 10-32   |                  |      | 10-60-2 | (5)              |      | 10-75    |                  |
|      | 00-15   |                  |      | 10- 7 |                  |      | 10-33   |                  |      | 10-61   | (5)              |      | 10-76    |                  |
|      | 00-16   |                  |      | 10- 8 |                  |      | 10-34   |                  |      | 10-61-1 | (5)              |      | 10-77    | (5)              |
|      | 00-17   |                  |      | 10- 9 |                  |      | 10-35   |                  |      | 10-62   | (6)              |      | 10-78    |                  |
|      | 00-18   |                  |      | 10-10 |                  |      | 10-36   |                  |      | 10-63   | (6)              |      | 10-79    |                  |
|      | 00-19   |                  |      | 10-11 |                  |      | 10-37   |                  |      | 10-63-1 | (6)              |      | 10-79-1  | (5)              |
|      | 00-20   |                  |      | 10-12 |                  |      | 10-38   |                  |      | 10-63-2 | (6)              |      | 10-79-2  | (5)              |
|      | 00-21   |                  |      | 10-13 |                  |      | 10-39   |                  |      | 10-64   | (6)              |      | 10-79-3  | (5)              |

**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 |
|------|----------|------------------|------|-----------|------------------|------|----------|------------------|------|-----------|------------------|------|-----------|------------------|
|      | 10-79-4  | (5)              |      | 10-110-2  | (6)              |      | 10-137   | (6)              |      | 10-160    |                  |      | 10-177-21 | (4)              |
|      | 10-79-5  | (5)              |      | 10-111    | (6)              |      | 10-137-1 | (6)              |      | 10-161    |                  |      | 10-177-22 | (4)              |
|      | 10-80    |                  |      | 10-112    | (5)              |      | 10-137-2 | (6)              |      | 10-162    |                  |      | 10-177-23 | (6)              |
|      | 10-81    |                  |      | 10-113    | (6)              |      | 10-137-3 | (6)              |      | 10-163    | (6)              |      | 10-177-24 | (6)              |
|      | 10-82    |                  |      | 10-114    | (6)              |      | 10-137-4 | (6)              |      | 10-164    |                  |      | 10-177-25 | (6)              |
|      | 10-83    |                  |      | 10-114-2  | (5)              |      | 10-137-5 | (6)              |      | 10-165    | (6)              |      | 10-177-26 | (6)              |
|      | 10-84    |                  |      | 10-114-3  | (6)              |      | 10-137-6 | (6)              |      | 10-166    |                  |      | 10-177-27 | (6)              |
|      | 10-86    |                  |      | 10-114-4  | (6)              |      | 10-137-7 | (6)              |      | 10-167    | (6)              |      | 10-177-28 | (6)              |
|      | 10-87    |                  |      | 10-114-6  | (5)              |      | 10-138   | (6)              |      | 10-168    | (6)              |      | 10-177-29 | (6)              |
|      | 10-88    | (6)              |      | 10-114-7  | (6)              |      | 10-139   | (6)              |      | 10-169    | (5)              |      | 10-177-30 | (6)              |
|      | 10-89    | (6)              |      | 10-114-8  | (6)              |      | 10-139-1 | (6)              |      | 10-170    | (5)              |      | 10-178    |                  |
|      | 10-89-1  | (6)              |      | 10-114-10 | (6)              |      | 10-139-2 | (6)              |      | 10-171    | (5)              |      | 10-178-1  | (6)              |
|      | 10-89-2  | (6)              |      | 10-114-11 | (6)              |      | 10-140   | (6)              |      | 10-173    |                  |      | 10-178-2  | (6)              |
|      | 10-90    | (6)              |      | 10-114-12 | (6)              |      | 10-140-1 | (6)              |      | 10-174    |                  |      | 10-179    |                  |
|      | 10-91    | (6)              |      | 10-115    |                  |      | 10-141   | (6)              |      | 10-175    |                  |      | 10-180    |                  |
|      | 10-92    |                  |      | 10-115-1  | (6)              |      | 10-142   |                  |      | 10-176    |                  |      | 10-181    | (6)              |
|      | 10-93    |                  |      | 10-116    |                  |      | 10-143   | (6)              |      | 10-176-1  | (6)              |      | 10-182    |                  |
|      | 10-94    |                  |      | 10-117    |                  |      | 10-144   |                  |      | 10-176-3  | (6)              |      | 10-183    |                  |
|      | 10-94-2  | (6)              |      | 10-118    |                  |      | 10-144-1 | (6)              |      | 10-176-4  | (6)              |      | 10-184    |                  |
|      | 10-94-3  | (6)              |      | 10-119    | (6)              |      | 10-144-2 | (6)              |      | 10-177    | (6)              |      | 10-184-1  | (5)              |
|      | 10-94-4  | (6)              |      | 10-120    | (6)              |      | 10-145   | (6)              |      | 10-177-1  | (4)              |      | 10-184-2  | (5)              |
|      | 10-94-5  | (6)              |      | 10-121    | (6)              |      | 10-146   | (6)              |      | 10-177-2  | (4)              |      | 10-184-4  | (6)              |
|      | 10-94-6  | (6)              |      | 10-121-2  | (6)              |      | 10-147   | (6)              |      | 10-177-3  | (4)              |      | 10-184-5  | (5)              |
|      | 10-95    |                  |      | 10-121-3  | (6)              |      | 10-148   | (6)              |      | 10-177-4  | (4)              |      | 10-184-6  | (6)              |
|      | 10-96    |                  |      | 10-121-4  | (6)              |      | 10-149   | (6)              |      | 10-177-5  | (4)              |      | 10-184-7  | (5)              |
|      | 10-97    |                  |      | 10-122    |                  |      | 10-150   | (6)              |      | 10-177-6  | (4)              |      | 10-184-8  | (5)              |
|      | 10-98    |                  |      | 10-123    |                  |      | 10-150-1 | (6)              |      | 10-177-7  | (4)              |      | 10-184-9  | (5)              |
|      | 10-99    | (6)              |      | 10-124    | (6)              |      | 10-150-2 | (6)              |      | 10-177-8  | (4)              |      | 10-184-10 | (6)              |
|      | 10-100   |                  |      | 10-125    |                  |      | 10-150-3 | (6)              |      | 10-177-9  | (4)              |      | 10-184-11 | (5)              |
|      | 10-101   |                  |      | 10-126    |                  |      | 10-150-4 | (6)              |      | 10-177-10 | (4)              |      | 10-185    |                  |
|      | 10-102   |                  |      | 10-127    |                  |      | 10-150-5 | (6)              |      | 10-177-11 | (4)              |      | 10-186    |                  |
|      | 10-103   |                  |      | 10-128    |                  |      | 10-150-6 | (6)              |      | 10-177-12 | (4)              |      | 10-187    | (6)              |
|      | 10-104   | (6)              |      | 10-129    |                  |      | 10-152   |                  |      | 10-177-13 | (4)              |      | 10-188    |                  |
|      | 10-104-1 | (6)              |      | 10-130    |                  |      | 10-153   |                  |      | 10-177-14 | (4)              |      | 10-189    |                  |
|      | 10-105   |                  |      | 10-131    |                  |      | 10-154   |                  |      | 10-177-15 | (4)              |      | 10-190    |                  |
|      | 10-106   |                  |      | 10-132    |                  |      | 10-155   |                  |      | 10-177-16 | (4)              |      | 10-191    |                  |
|      | 10-107   | (6)              |      | 10-133    |                  |      | 10-156   |                  |      | 10-177-17 | (4)              |      | 10-192    |                  |
|      | 10-108   |                  |      | 10-134    |                  |      | 10-157   |                  |      | 10-177-18 | (4)              |      | 10-193    |                  |
|      | 10-109   |                  |      | 10-135    |                  |      | 10-158   |                  |      | 10-177-19 | (4)              |      | 10-194    | (11)             |
|      | 10-110   |                  |      | 10-136    |                  |      | 10-159   |                  |      | 10-177-20 | (4)              |      | 10-195    | (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 |
|------|----------|------------------|------|----------|------------------|------|-----------|------------------|------|----------|------------------|------|-----------|------------------|
|      | 10-196   | (11)             |      | 20-105   |                  |      | 20-136    | (10)             |      | 20-164   | (11)             |      | 20-223    | (10)             |
|      | 10-197   | (11)             |      | 20-106   |                  |      | 20-137    |                  |      | 20-165   | (11)             |      | 20-224    | (10)             |
|      | 10-198   | (11)             |      | 20-107   |                  |      | 20-137-1  | (17)             |      | 20-166   | (11)             |      | 20-225    | (10)             |
|      | 10-199   | (11)             |      | 20-108   | (10)             |      | 20-137-2  | (16)             |      | 20-167   | (11)             |      | 20-226    | (10)             |
|      |          |                  |      | 20-109   |                  |      | 20-137-3  | (16)             |      | 20-168   | (11)             |      | 20-227    | (10)             |
|      |          |                  |      | 20-110   |                  |      | 20-137-4  | (17)             |      | 20-169   | (11)             |      | 20-228    | (10)             |
|      | 20- 1    |                  |      | 20-110-1 | (11)             |      | 20-137-5  | (17)             |      |          |                  |      | 20-229    | (10)             |
|      | 20- 2    |                  |      | 20-110-2 | (11)             |      | 20-137-6  | (16)             |      | 20-201   | (11)             |      | 20-230    | (10)             |
|      | 20- 3    | (14)             |      | 20-110-3 | (11)             |      | 20-137-7  | (16)             |      | 20-202   | (11)             |      | 20-230-1  | (10)             |
|      | 20- 4    | (14)             |      | 20-111   |                  |      | 20-137-8  | (17)             |      | 20-203   |                  |      | 20-230-2  | (10)             |
|      | 20- 5    | (14)             |      | 20-112   |                  |      | 20-137-9  | (17)             |      | 20-204   |                  |      | 20-230-3  | (10)             |
|      | 20- 6    | (14)             |      | 20-113   | (10)             |      | 20-137-10 | (17)             |      | 20-205   |                  |      | 20-230-4  | (10)             |
|      | 20- 7    | (14)             |      | 20-114   |                  |      | 20-137-11 | (16)             |      | 20-206   |                  |      | 20-230-5  | (10)             |
|      | 20- 8    | (11)             |      | 20-115   |                  |      | 20-137-12 | (16)             |      | 20-207   |                  |      | 20-230-6  | (10)             |
|      | 20- 8-1  | (11)             |      | 20-116   | (11)             |      | 20-138    |                  |      | 20-208   |                  |      | 20-230-7  | (10)             |
|      | 20- 9    | (5)              |      | 20-117   | (11)             |      | 20-139    |                  |      | 20-209   |                  |      | 20-230-8  | (10)             |
|      | 20-10    | (5)              |      | 20-117-1 | (11)             |      | 20-140    | (10)             |      | 20-210   |                  |      | 20-230-9  | (10)             |
|      | 20-11    | (5)              |      | 20-117-2 | (11)             |      | 20-141    |                  |      | 20-211   | (3)              |      | 20-230-10 | (10)             |
|      | 20-12    | (5)              |      | 20-117-3 | (11)             |      | 20-142    | (10)             |      | 20-212   |                  |      | 20-230-11 | (10)             |
|      | 20-13    | (5)              |      | 20-118   |                  |      | 20-143    | (10)             |      | 20-213   | (5)              |      | 20-230-12 | (10)             |
|      | 20-14    | (5)              |      | 20-119   |                  |      | 20-144    |                  |      | 20-214   | (5)              |      | 20-230-13 | (10)             |
|      | 20-15    | (5)              |      | 20-120   |                  |      | 20-145    |                  |      | 20-215   | (11)             |      | 20-230-14 | (10)             |
|      | 20-16    | (5)              |      | 20-121   |                  |      | 20-146    | (10)             |      | 20-215-1 | (11)             |      | 20-230-15 | (10)             |
|      | 20-17    | (5)              | ○    | 20-121-1 | (19)             |      | 20-147    |                  |      | 20-215-2 | (11)             |      | 20-230-16 | (10)             |
|      | 20-18    | (5)              |      | 20-122   | (10)             |      | 20-148    | (2)              |      | 20-215-3 | (11)             |      | 20-230-17 | (10)             |
|      | 20-19    | (5)              |      | 20-123   | (10)             |      | 20-149    |                  |      | 20-215-4 | (11)             |      | 20-230-18 | (10)             |
|      | 20-20    | (5)              |      | 20-124   |                  |      | 20-150    |                  |      | 20-215-5 | (11)             |      | 20-230-19 | (10)             |
|      | 20-21    | (5)              |      | 20-125   |                  |      | 20-151    |                  |      | 20-216   |                  |      | 20-230-20 | (10)             |
|      | 20-22    | (5)              |      | 20-126   |                  |      | 20-152    |                  |      | 20-217   | (5)              |      | 20-230-21 | (10)             |
|      | 20-23    | (5)              |      | 20-127   | (10)             |      | 20-153    |                  |      | 20-218   | (5)              |      | 20-230-22 | (10)             |
|      | 20-24    | (5)              |      | 20-128   | (10)             |      | 20-154    |                  |      | 20-219   |                  |      | 20-230-23 | (10)             |
|      | 20-25    | (5)              |      | 20-129   |                  |      | 20-155    |                  |      | 20-220   |                  |      | 20-230-24 | (10)             |
|      | 20-26    | (11)             |      | 20-130   |                  |      | 20-156    | (9)              |      | 20-220-1 | (5)              |      | 20-230-25 | (10)             |
|      | 20-27    | (11)             |      | 20-131   | (5)              |      | 20-157    | (5)              |      | 20-220-2 | (11)             |      | 20-230-26 | (10)             |
|      |          |                  |      | 20-131-1 | (5)              |      | 20-158    | (5)              |      | 20-220-3 | (11)             |      | 20-231    | (5)              |
| ●    | 20-101   | (19)             |      | 20-131-2 | (5)              |      | 20-159    | (7)              |      | 20-220-4 | (11)             |      | 20-231-1  | (7)              |
|      | 20-102   | (16)             |      | 20-132   |                  |      | 20-160    | (7)              |      | 20-220-5 | (11)             |      | 20-232    | (5)              |
|      | 20-102-1 | (17)             |      | 20-133   |                  |      | 20-161    | (7)              |      | 20-220-6 | (11)             |      | 20-233    | (5)              |
|      | 20-103   | (10)             |      | 20-134   |                  |      | 20-162    | (7)              |      | 20-221   | (10)             |      | 20-234    | (5)              |
|      | 20-104   |                  |      | 20-135   |                  |      | 20-163    | (11)             |      | 20-222   | (10)             |      | 20-235    | (5)              |

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

<https://shopservicemanual.com/>

Service Manuals from 2\$