

Link do produktu: <https://www.specdiag.pl/komatsu-ladowarki-serie-wa-serwisowe-instrukcje-napraw-dokumentacja-warsztatowa-schematy-instalacji-p-1501.html>



Komatsu ładowarki serie WA - Serwisowe instrukcje napraw - dokumentacja warsztatowa - schematy instalacji

Cena **900,00 zł**

Opis produktu

Zestaw instrukcji napraw do ładowarek
Komatsu



Komatsu - WHEEL LOADERS - zawartość:

515C - 520C - Serial Number' 7001 AND UP -9001 AND UP FOR 515CH,11001 AND UP - 13001 AND UP FOR 520CH - Operators Manual

560C - Serial Number' 15001 AND UP - Shop Manual (serwisowe instrukcje napraw)

HD352-5 - Serial Number' 12264AND UP - Operation & Maintenance Manual (DTR)

WA20-1 - Serial Number' 1773 AND UP - Operation & Maintenance Manual (DTR)

WA20-1 - Serial Number' 1773 AND UP - Shop Manual (serwisowe instrukcje napraw)

WA20-2,WA30-5,WA40-3,WAS0-3 - Serial Number' 11270 AND UP,18970AND UP,13530AND UP,20642 AND UP - Operation & Maintenance Manual (DTR)

WA30-5,WA50-3 - Serial Number' 22005 AND UP,21450 AND UP - Operation & Maintenance Manual (DTR)

WA30-5,WA50-3 - Serial Number' 26001 AND UP,23001 AND UP - Operation & Maintenance Manual (DTR) (2)

WA30-5,WA50-3 - Serial Number' 26001 AND UP,23001 AND UP - Operation & Maintenance Manual (DTR)

WA30-5-AVANCE - Serial Number' 22005 AND UP - Shop Manual (serwisowe instrukcje napraw)

WA40-1 - Serial Number' 1001 AND UP - Operation & Maintenance Manual (DTR)

WA40-1 - Serial Number' 1001 AND UP - Shop Manual (serwisowe instrukcje napraw)

WA50-3-AVANCE - Serial Number' 21450 AND UP - Shop Manual (serwisowe instrukcje napraw)

WA50-6 - Serial Number' 60001 AND UP - Operation & Maintenance Manual (DTR)

WA50-6 - Serial Number' 60001 AND UP - Shop Manual (serwisowe instrukcje napraw)

WA50-6 - Serial Number' 60517 AND UP - Operation & Maintenance Manual (DTR)
WA50-6 - Serial Number' 60925 AND UP - Operation & Maintenance Manual (DTR)
WA65-3,WA65-3 PARALLEL UFT,WA75-3,WA85-3,WA90-3,WA95-3 - Serial Number'
HA940051 AND UP,HA050051 AND UP,HA950051AND UP,HA960051 AND UP,HA970051
AND UP,HA980051 AND UP - Shop Manual (serwisowe instrukcje napraw)
WA65-3 - Serial Number' HA940051 AND UP - Operation & Maintenance Manual (DTR)
WA65-3 - Serial Number' HA940171 AND UP - Operation & Maintenance Manual (DTR)
WA65-3 - Serial Number' HA940549-HA94077 1,H20761 AND UP - Operation &
Maintenance Manual (DTR)
WA65-5,WA70-5,WA80-5 - Serial Number' H50051 AND UP - Shop Manual (serwisowe
instrukcje napraw)
WA65-5 - Serial Number' H50051 AND UP - Operation & Maintenance Manual (DTR)
WA65-6,WA70-6,WA80-6,WA90-6,WA100M-6 - Serial Number' H60051 AND UP,H00051
AND UP - Operation & Maintenance Manual (DTR)
WA65-6,WA70-6,WA80-6,WA90-6,WA100M -6 - Serial Number' H60051 AND UP - Shop
Manual (serwisowe instrukcje napraw)
WA70-1 - Serial Number' 10001 AND UP - Shop Manual (serwisowe instrukcje napraw)
WA70-1 - Serial Number' 12001 AND UP - Operation & Maintenance Manual (DTR)
WA70-5 - Serial Number' H50051 AND UP - Operation & Maintenance Manual (DTR)
WA75-3,WA85-3 - Serial Number' HA950857-HA951433,H21408 AND
UP,HA960166-HA960218,H20219 AND UP - Operation & Maintenance Manual (DTR)
WA75-3 - Serial Number' HA950051 AND UP - Operation & Maintenance Manual (DTR)
WA75-3 - Serial Number' HA950318 AND UP - Operation & Maintenance Manual (DTR)
WA80-5 - Serial Number' H50051 AND UP - Operation & Maintenance Manual (DTR)
WA85-3 - Serial Number' HA960051 AND UP - Operation & Maintenance Manual (DTR)
WA85-3 - Serial Number' HA960130 AND UP - Operation & Maintenance Manual (DTR)
WA85-3 - Serial Number' HA960166 AND UP - Operation & Maintenance Manual (DTR)
WA90-3 - Serial Number' HA970239 AND UP - Operation & Maintenance Manual (DTR)
WA90-5,WA 100M-5 - Serial Number' 50051 AND UP - Shop Manual (serwisowe instrukcje
napraw)
WA90-5 - Serial Number' H50051 AND UP - Operation & Maintenance Manual (DTR)
WA95-3 - Serial Number' H20672 AND UP - Operation & Maintenance Manual (DTR)
WA95-3 - Serial Number' HA980051 AND UP - Operation & Maintenance Manual (DTR)
WA95-3 - Serial Number' HA980118AND UP - Operation & Maintenance Manual (DTR)
WA95-3 - Serial Number' HA980376-HA980668,H20651-H20671-Operation &
Maintenance Manual
WA100-1,WA 150-1 - Serial Number' 10001 AND UP - Operation & Maintenance Manual
(DTR)
WA100-1 - Serial Number' 10001 AND UP - Shop Manual (serwisowe instrukcje napraw)
WA100M-S - Serial Number' H50051 AND UP - Operation & Maintenance Manual (DTR)
WA115-3 - Serial Number' H30051 AND UP - Operation & Maintenance Manual (DTR)
WA115-3 - Serial Number' H30051 AND UP - Shop Manual (serwisowe instrukcje napraw)
WA120-1LC - Serial Number' A20001 AND UP - Operation & Maintenance Manual (DTR)
WA120-1LC - Serial Number'20001 AND UP - Shop Manual (serwisowe instrukcje napraw)
WA120-3,WA120L-3 - Serial Number' A30001 AND UP,54001-54103-ENGINE 4D102E-1 -
Operation & Maintenance Manual (DTR)
WA120-3,WA120L-3 - Serial Number' A30001 AND UP,54001-54103-Shop Manual
(serwisowe instrukcje napraw)
WA120-3MC-AVANCE PLUS - Serial Number' A31001-Shop Manual (serwisowe instrukcje
napraw)
WA120-3MC - Serial Number' A31001 AND UP - ENGINE 4D102E-1 - Operation &
Maintenance Manual (DTR)
WA120L-3MC - AVANCE LOADER - Serial Number' 54104 AND UP - Operation &
Maintenance Manual (DTR)
WA120L-3MC - Serial Number' 54104 AND UP - Shop Manual (serwisowe instrukcje

napraw)

WA150-1 - Serial Number' 10001 AND UP - Shop Manual (serwisowe instrukcje napraw)

WA150-5 GALEO - Serial Number' H50051AND UP - Shop Manual (serwisowe instrukcje napraw)

WA150-5-GALEO - Serial Number' 65001 AND UP - Operation & Maintenance Manual (DTR)

WA150-5H - Serial Number' H50051AND UP - Operation & Maintenance Manual (DTR)

WA150-5 - Serial Number' 65001 AND UP - Shop Manual (serwisowe instrukcje napraw)

WA150-5 - Serial Number' 73685 AND UP - Operation & Maintenance Manual (DTR)

WA150-6 - Serial Number' 80001 AND UP - ECOT3 - Operation & Maintenance Manual (DTR)

WA150-6 - Serial Number' 80001 AND UP - ECOT3-Shop Manual (serwisowe instrukcje napraw)

WA150-6 - Serial Number' 80051 AND UP - ECOT3 - Operation & Maintenance Manual (DTR)

WA150L-5-GALEO - Serial Number' 65001 AND UP - Operation & Maintenance Manual (DTR)

WA150PZ-6,WA200PZ-6,WA250PZ-6,WA320PZ-6 - Serial Number' 80042 AND UP,70136 AND UP,H 00051 AND UP,75160 AND UP,H0005 1AND UP,70092 AND UP,H00051 AND UP - Operation & Maintenance Manual (DTR)

WA180-1LC - Serial Number' 75001 AND UP - Shop Manual (serwisowe instrukcje napraw)

WA180-1LC - Serial Number' A75001 AND UP - Operation & Maintenance Manual (DTR)

WA180-1 - Serial Number' 10001 AND UP - Operation & Maintenance Manual (DTR)

WA180-1 - Serial Number' 10001 AND UP - Shop Manual (serwisowe instrukcje napraw)

1821. WA180-3,WA180L-3 - Serial Number' A80001 AND UP,54001 AND UP - ENGINE 6D102E-1 - Operation & Maintenance Manual (DTR)

WA180-3,WA180L-3 - Serial Number' A80001 AND UP,54001-Shop Manual (serwisowe instrukcje napraw)

WA180-3MC-AVANCE PLUS - Serial Number' A81001 AND UP - Shop Manual (serwisowe instrukcje napraw)

WA 180-3MC - Serial Number' A81001 AND UP - ENGINE 6D102E-1 - Operation & Maintenance Manual (DTR)

WA180-3 - Serial Number' 50001 AND UP - Operation & Maintenance Manual (DTR)

WA180-3 - Serial Number' 50001 AND UP - Shop Manual (serwisowe instrukcje napraw)

WA180PT-3MC-AVANCE PLUS - Serial Number'A88001 AND UP - Shop Manual (serwisowe instrukcje napraw)

WA180PT-3MC - Serial Number' A88001 AND UP - ENGINE 6D102E-1 - Operation & Maintenance Manual (DTR)

WA180PT-3 - Serial Number' A85001 AND UP - ENGINE 6D102E-1 - Operation & Maintenance Manual (DTR)

WA200-1,WA250-1 - Serial Number' 10001 AND UP - Shop Manual (serwisowe instrukcje napraw)

WA200-1 - Serial Number' 20001 AND UP - Operation & Maintenance Manual (DTR)

WA200-5,WA200PT-5 - Serial Number' 65001 AND UP - Shop Manual (serwisowe instrukcje napraw)

WA200-5-GALEO - Serial Number' 65629 AND UP - Operation & Maintenance Manual (DTR)

WA200-5L,WA200PT-5L-GALEO-SN,A82001 AND UP,A89001 AND UP - Shop Manual (serwisowe instrukcje napraw)

WA200-5L - Serial Number' A82001 AND UP - Operation & Maintenance Manual (DTR)

WA200-5 - Serial Number' 68582 AND UP - Operation & Maintenance Manual (DTR)

WA200-5 - Serial Number' 69294 AND UP - Operation & Maintenance Manual (DTR)

WA200-6,WA200PZ-6 - Serial Number' 70001 AND UP - ECOT3-Shop Manual (serwisowe instrukcje napraw)

WA200-6 - Serial Number' 70001 AND UP - ECOT3 - Operation & Maintenance Manual (DTR)

WA200-6 - Serial Number' 71006 AND UP - ECOT3 - Operation & Maintenance Manual (DTR)

WA200-7 - Serial Number' 80001 AND UP - Operation & Maintenance Manual (DTR)

WA200-7 - Serial Number' 80001 AND UP - Shop Manual (serwisowe instrukcje napraw)

WA200-8 - Serial Number' 85001 AND UP - Operation & Maintenance Manual (DTR)

WA200-8 - Serial Number' 85001 AND UP - Shop Manual (serwisowe instrukcje napraw)

WA200L-5-GALEO - Serial Number' 65001 AND UP - Operation & Maintenance Manual (DTR) (2)

WA200L-5-GALEO - Serial Number' 65001 AND UP - Operation & Maintenance Manual (DTR)

WA200L-5-GALEO - Serial Number' 65629 AND UP - Operation & Maintenance Manual (DTR)

WA200L-5-GALEO - Serial Number' 68582 AND UP - Operation & Maintenance Manual (DTR)

WA200PT-5L - Serial Number' A89001 AND UP - ENGINE 6D102E-Operation & Maintenance Manual (DTR)

WA200PTL-5-GALEO - Serial Number' 65001 AND UP - Operation & Maintenance Manual (DTR)

WA200PZ-6 - Serial Number' 70001 AND UP ECOT3 - Operation & Maintenance Manual (DTR)

WA200PZ-6 - Serial Number' 71080 AND UP - ECOT3 - Operation & Maintenance Manual (DTR)

WA250-1LC - Serial Number' A65001 AND UP - Operation & Maintenance Manual (DTR)

WA250-1LC - Serial Number' A65001 AND UP - Shop Manual (serwisowe instrukcje napraw)

WA250-3A - Serial Number' 53305AND UP - Operation & Maintenance Manual (DTR)

WA250-3 - AVANCE LOADER - Serial Number' 50001 AND UP - Shop Manual (serwisowe instrukcje napraw)

WA250-3L - Serial Number' A70001 AND UP - Shop Manual (serwisowe instrukcje napraw)

WA250-3MC-AVANCE PLUS - Serial Number' A71001 AND UP - Shop Manual (serwisowe instrukcje napraw)

WA250-3MC - Serial Number' A71001 AND UP - ENGINE 6D102E-1 - Operation & Maintenance Manual (DTR)

WA250-3-PARALLELK TOOL CARRIER - Serial Number' A75001 AND UP - ENGINE 6D102E-1 - Operation & Maintenance Manual (DTR)

WA250-3 - Serial Number' 50001 AND UP - Operation & Maintenance Manual (DTR)

WA250-3 - Serial Number' 53001 AND UP - Operation & Maintenance Manual (DTR)

WA250-3 - Serial Number' A70001 AND UP - ENGINE 6D102E-1 - Operation & Maintenance Manual (DTR)

WA250-5,WA250PT-5 - Serial Number' 70001 AND UP - Shop Manual (serwisowe instrukcje napraw)

WA250-5-GALEO - Serial Number' 70570 AND UP - Operation & Maintenance Manual (DTR)

WA250-5-GALEO - Serial Number' 72302 AND UP - Operation & Maintenance Manual (DTR)

WA250-5H,WA250PT-5H - Serial Number' H50051 AND UP,H60051 AND UP - Shop Manual (serwisowe instrukcje napraw)

WA250-5H - Serial Number' H50051 AND UP - Operation & Maintenance Manual (DTR)

WA250-5H - Serial Number' H50279 AND UP - Operation & Maintenance Manual (DTR)

WA250-5L,WA250PT-5L-WASTE HANDLER - Serial Number' A73001 AND UP,A79001 AND UP - Shop Manual (serwisowe instrukcje napraw)

WA250-5L - Serial Number' A73001 AND UP - ENGINE 6D102E-Operation & Maintenance Manual (DTR)

WA250-5 - Serial Number' 70001 AND UP - Operation & Maintenance Manual (DTR)

WA250-5 - Serial Number' 72784 AND UP - Operation & Maintenance Manual (DTR)

WA250-6,WA250PZ-6 - Serial Number' 75001 AND UP,75160AND UP,H00051AND UP -

Shop Manual (serwisowe instrukcje napraw)

WA250-6,WA250PZ-6 - Serial Number' 75001 AND UP - ECOT3-Shop Manual (serwisowe instrukcje napraw)

WA250-6 - Serial Number' 75001 AND UP - ENGINE 6D107E-1 - Operation & Maintenance Manual (DTR)

WA250-6 - Serial Number' 75813 AND UP - ECOT3 - Operation & Maintenance Manual (DTR)

WA250-6 - Serial Number' 75865 AND UP - ECOT3 - Operation & Maintenance Manual (DTR)

WA250-6 - Serial Number' A76001 AND UP - ENGINE 6D107E-1 - Operation & Maintenance Manual (DTR)

WA250-6 - Serial Number' A76001 AND UP - ENGINE 6D107E-1-Shop Manual (serwisowe instrukcje napraw)

WA250L-5-GALEO - Serial Number' 70001 AND UP - Operation & Maintenance Manual (DTR)

WA250L-5-GALEO - Serial Number' 70025 AND UP - Operation & Maintenance Manual (DTR)

WA250PT-3MC - Serial Number' A78001 AND UP - ENGINE 6D102E-1 - Operation & Maintenance Manual (DTR)

WA250PT-5-GALEO - Serial Number' 70001 AND UP - Operation & Maintenance Manual (DTR)

WA250PT-5-GALEO - Serial Number' 70570 AND UP - Operation & Maintenance Manual (DTR)

WA250PT-5L - Serial Number' A79001 AND UP - ENGINE 6D102E-Operation & Maintenance Manual (DTR)

WA250PT-5 - Serial Number' 72302 AND UP - Operation & Maintenance Manual (DTR)

WA250PTL-5-GALEO - Serial Number' 70001 AND UP - Operation & Maintenance Manual (DTR)

WA250PTL-5-GALEO - Serial Number' 70025 AND UP - Operation & Maintenance Manual (DTR)

WA250PZ-5 - Serial Number' H50051 AND UP - Operation & Maintenance Manual (DTR)

WA250PZ-5 - Serial Number' H50051 AND UP - Shop Manual (serwisowe instrukcje napraw)

WA250PZ-6 - Serial Number' 75001 AND UP - ECOT3 - Operation & Maintenance Manual (DTR)

WA250PZ-6 - Serial Number' 75813 AND UP - ECOT3 - Operation & Maintenance Manual (DTR)

WA250PZ-6 - Serial Number' 75865 AND UP - ECOT3 - Operation & Maintenance Manual (DTR)

WA270-7 - Serial Number' 80001 AND UP - Operation & Maintenance Manual (DTR)

WA270-7 - Serial Number' A27001 AND UP - ENGINE 6D107E-2-Shop Manual (serwisowe instrukcje napraw)

WA270-7 - Serial Number' A27001-ENGINE 6D107E-2 - Operation & Maintenance Manual (DTR)

WA270-8 - Serial Number' 83001 AND UP - Operation & Maintenance Manual (DTR)

WA270-8 - Serial Number' 83001 AND UP - Shop Manual (serwisowe instrukcje napraw)

WA270-8 - Serial Number' A28001 AND UP - ENGINE 6D107E-3 - Operation & Maintenance Manual (DTR)

WA270-8 - Serial Number' A28001 AND UP - ENGINE 6D107E-3-Shop Manual (serwisowe instrukcje napraw)

WA300-1,WA320-1 - Serial Number' 10001 AND UP - Shop Manual (serwisowe instrukcje napraw)

WA300L-3 - AVANCE LOADER - Serial Number' 53001 AND UP - Shop Manual (serwisowe instrukcje napraw)

WA300L-3 - Serial Number' 53001 AND UP - Operation & Maintenance Manual (DTR)

WA320-1LC - Serial Number' A25001 AND UP - Operation & Maintenance Manual (DTR)
WA320-1LC - Serial Number' A25001 AND UP - Shop Manual (serwisowe instrukcje napraw)
WA320-1 - Serial Number' 20001 AND UP - Operation & Maintenance Manual (DTR)
WA320-3 - AVANCE LOADER - Serial Number' 50001 AND UP - Shop Manual (serwisowe instrukcje napraw)
WA320-3MC - Serial Number'A31001 AND UP - Shop Manual (serwisowe instrukcje napraw)
WA320-3 - Serial Number' 50001 AND UP - Operation & Maintenance Manual (DTR)
WA320-3 - Serial Number' 50403 AND UP - Operation & Maintenance Manual (DTR)
WA320-3 - Serial Number' A30001 AND UP - ENGINE 6D114E- 1 - Operation & Maintenance Manual (DTR)
WA320-3 - Serial Number' A31001 AND UP - ENGINE 6D114E-1 - Operation & Maintenance Manual (DTR)
WA320-3 - Serial Number' H20051 AND UP - Shop Manual (serwisowe instrukcje napraw)
WA320-3 - Serial Number'A30001 AND UP - Shop Manual (serwisowe instrukcje napraw)
WA320-5H - Serial Number' H50051AND UP - Shop Manual (serwisowe instrukcje napraw)
WA320-5L-GALEO - Serial Number' A32001 AND UP - Shop Manual (serwisowe instrukcje napraw)
WA320-5L - Serial Number' A32001 AND UP - ENGINE 6D102E-2 - Operation & Maintenance Manual (DTR)
WA320-5 - Serial Number' 60001 AND UP - Shop Manual (serwisowe instrukcje napraw)
WA320-5 - Serial Number' 62038 AND UP - Operation & Maintenance Manual (DTR)
WA320-5 - Serial Number' H50188 AND UP - Operation & Maintenance Manual (DTR)
WA320-6,WA320PZ-6 - Serial Number' 70001 AND UP,70092 AND UP,H00051 AND UP - Shop Manual (serwisowe instrukcje napraw)
WA320-6,WA320PZ-6 - Serial Number' 70001 AND UP - ECOT3-Shop Manual (serwisowe instrukcje napraw) (2)
WA320-6,WA320PZ-6 - Serial Number' 70001 AND UP - ECOT3-Shop Manual (serwisowe instrukcje napraw)
WA320-6 - Serial Number' 70001 AND UP - ECOT3 - Operation & Maintenance Manual (DTR)
WA320-6 - Serial Number' 70536 AND UP - ECOT3 - Operation & Maintenance Manual (DTR)
WA320-6 - Serial Number' 70587 AND UP - ECOT3 - Operation & Maintenance Manual (DTR)
WA320-6 - Serial Number' A34001-A34999-ENGINE 6D107E- 1 - Operation & Maintenance Manual (DTR)
WA320-6 - Serial Number' A34001-A34999-ENGINE SAA6D107E- 1-Shop Manual
WA320-6 - Serial Number' A35001 AND UP - ENGINE 6D107E-1 - Operation & Maintenance Manual (DTR)
WA320-6 - Serial Number' A35001 AND UP - ENGINE SAA6D107E- 1-Shop Manual (serwisowe instrukcje napraw)
WA320-7 - Serial Number' 80001 AND UP - Operation & Maintenance Manual (DTR)
WA320-7 - Serial Number' 80001 AND UP - Shop Manual (serwisowe instrukcje napraw)
WA320-7 - Serial Number' A36001 AND UP - ENGIN E 6D107E-2 - Operation & Maintenance Manual (DTR)
WA320-7 - Serial Number' A36001 AND UP - ENGINE 6D107E-2-Shop Manual (serwisowe instrukcje napraw)
WA320-8 - Serial Number' 85001 AND UP - Operation & Maintenance Manual (DTR)
WA320-8 - Serial Number' 85001 AND UP - Shop Manual (serwisowe instrukcje napraw)
WA320-8 - Serial Number' A38001 AND UP - ENGINE 6D107E-3-Shop Manual (serwisowe instrukcje napraw)
WA320-8 - Serial Number' A38001 AND UP - ENGINE D107E-3 - Operation & Maintenance Manual (DTR)

WA320L-5-GALEO - Serial Number' 60001 AND UP - Operation & Maintenance Manual (DTR)

WA320PT-5L - Serial Number' A39001 AND UP - ENGINE 6D102E-2 - Operation & Maintenance Manual (DTR)

WA320PZ-6 - Serial Number' 70001 AND UP - ECOT3 - Operation & Maintenance Manual (DTR)

WA320PZ-6 - Serial Number' 70536 AND UP - ECOT3 - Operation & Maintenance Manual (DTR)

WA320PZ-6 - Serial Number' 70587AND UP - ECOT3 - Operation & Maintenance Manual (DTR)

WA350-1,WA400-1,WA450-1 - Serial Number' 10001 AND UP - Operation & Maintenance Manual (DTR)

WA350-1 - Serial Number' 10001 AND UP - Shop Manual (serwisowe instrukcje napraw)

WA380-1,WA420-1 - Serial Number' 20001 AND UP - Operation & Maintenance Manual (DTR)

WA380-1,WA420-1 - Serial Number' 20292 AND UP,20159 AND UP - Operation & Maintenance Manual (DTR)

WA380-1LC - Serial Number' A45001 AND UP - Operation & Maintenance Manual (DTR)

WA380-1LC - Serial Number' A45001 AND UP - Shop Manual (serwisowe instrukcje napraw)

WA380-1 - Serial Number' 10001 AND UP - Operation & Maintenance Manual (DTR)

WA380-1 - Serial Number' 10001 AND UP - Shop Manual (serwisowe instrukcje napraw)

WA380-3 - AVANCE LOADER - Serial Number' 50001 AND UP - Shop Manual (serwisowe instrukcje napraw)

WA380-3MC - Serial Number' A51001AND UP - Shop Manual (serwisowe instrukcje napraw)

WA380-3 - Serial Number' 50001 AND UP - Operation & Maintenance Manual (DTR)

WA380-3 - Serial Number' A50001 AND UP - ENGINE 6D114E-1 - Operation & Maintenance Manual (DTR)

WA380-3 - Serial Number' A50001 AND UP - Shop Manual (serwisowe instrukcje napraw)

WA380-3 - Serial Number' A51001 AND UP - ENGINE 6D114E-1 - Operation & Maintenance Manual (DTR)

WA380-3 - Serial Number' H20051 AND UP - Shop Manual (serwisowe instrukcje napraw)

WA380-5H - Serial Number' H50051 AND UP - Operation & Maintenance Manual (DTR)

WA380-5H - Serial Number' H50051 AND UP - Shop Manual (serwisowe instrukcje napraw)

WA380-5L - Serial Number' A52001 AND UP - ENGINE 6D114E-2 - Operation & Maintenance Manual (DTR)

WA380-5L - Serial Number' A52001 AND UP - Shop Manual (serwisowe instrukcje napraw)

WA380-5 - Serial Number' 60001 AND UP - Operation & Maintenance Manual (DTR)

WA380-5 - Serial Number' 60001 AND UP - Shop Manual (serwisowe instrukcje napraw)

WA380-6,WA380Z-6 - Serial Number' 65001 AND UP,66847 AND UP - ECOT3-Shop Manual (serwisowe instrukcje napraw)

WA380-6 - Serial Number' 65001 AND UP - ECOT3 - Operation & Maintenance Manual (DTR)

WA380-6 - Serial Number' 65001 AND UP - Shop Manual (serwisowe instrukcje napraw)

WA380-6 - Serial Number' 66105AND UP - ECOT3 - Operation & Maintenance Manual (DTR)

WA380-6 - Serial Number' A53001 AND UP - ENGINE 6D107E-1-Shop Manual (serwisowe instrukcje napraw)

WA380-6 - Serial Number' A53001-A53999-ENGINE 6D107E-1 - Operation & Maintenance Manual (DTR)

WA380-6 - Serial Number' A54001 AND UP - ENGINE 6D107E-1 - Operation & Maintenance Manual (DTR)

WA380-6 - Serial Number' A54001 AND UP - ENGINE 6D107E-1-Shop Manual (serwisowe

instrukcje napraw)

WA380-6 - Serial Number' H60051AND UP - ECOT3-Shop Manual (serwisowe instrukcje napraw)

WA380-6 - Serial Number' H60051AND UP - Operation & Maintenance Manual (DTR)

WA380-7 - Serial Number' 10001 AND UP - Field Assembly Instruction

WA380-7 - Serial Number' 10001 AND UP - Operation & Maintenance Manual (DTR)

WA380-7 - Serial Number' 10001 AND UP - Shop Manual (serwisowe instrukcje napraw)

WA380-7 - Serial Number' A64001 AND UP - ENGINE 6D107E-2 - Operation & Maintenance Manual (DTR)

WA380-7 - Serial Number' A64001 AND UP - ENGINE 6D107E-2-Shop Manual (serwisowe instrukcje napraw)

WA380-8 - Serial Number' 15001 AND UP - Field Assembly Instruction

WA380-8 - Serial Number' 15001 AND UP - Operation & Maintenance Manual (DTR)

WA380-8 - Serial Number' 15001 AND UP - Shop Manual (serwisowe instrukcje napraw)

WA380-8 - Serial Number' A74001 AND UP - ENGINE 6D107E-3 - Operation & Maintenance Manual (DTR)

WA380-8 - Serial Number' A74001 AND UP - ENGINE 6D107E-3-Shop Manual (serwisowe instrukcje napraw)

WA400-5L - Serial Number' A40001 AND UP - ENGINE 6D114E-2 - Operation & Maintenance Manual (DTR)

WA400-5L - Serial Number' A40001 AND UP - Shop Manual (serwisowe instrukcje napraw)

WA400-5 - Serial Number' 70001 AND UP - Operation & Maintenance Manual (DTR)

WA400-5 - Serial Number' 70001 AND UP - Shop Manual (serwisowe instrukcje napraw)

WA420-1LC - Serial Number' A25001 AND UP - Operation & Maintenance Manual

WA420-1LC - Serial Number' A25001 AND UP - Shop Manual (serwisowe instrukcje napraw)

WA420-3 - AVANCE LOADER - Serial Number' 50001 AND UP - Shop Manual (serwisowe instrukcje napraw)

WA420-3H - Serial Number' 30462-30566 - Operation & Maintenance Manual (DTR)

WA420-3MC - Serial Number' A31001 AND UP - Shop Manual (serwisowe instrukcje napraw)

WA420-3 - Serial Number' A30001 AND UP - ENGINE 6D114E-1 - Operation & Maintenance Manual (DTR)

WA420-3 - Serial Number' A30001 AND UP - Shop Manual (serwisowe instrukcje napraw)

WA420-3 - Serial Number' A31001 AND UP - ENGINE 6D114E-1 - Operation & Maintenance Manual (DTR)

WA420-3 - Serial Number' H20051 AND UP - Shop Manual (serwisowe instrukcje napraw)

WA430-5 - Serial Number' 60001 AND UP - Operation & Maintenance Manual (DTR)

WA430-5 - Serial Number' 60001 AND UP - Shop Manual (serwisowe instrukcje napraw)

WA430-6EO - Serial Number' H60266 AND UP - ECOT3-Shop Manual (serwisowe instrukcje napraw)

WA430-6EO - Serial Number' H60266 AND UP - Operation & Maintenance Manual (DTR)

WA430-6-ECOT3 - Serial Number' 65001 AND UP - Shop Manual (serwisowe instrukcje napraw)

WA430-6-GALEO - Serial Number' 65001 AND UP - Shop Manual (serwisowe instrukcje napraw)

WA430-6 - Serial Number' 65001 AND UP - ECOT3 - Operation & Maintenance Manual (DTR)

WA430-6 - Serial Number' 65570AND UP - ECOT3 - Operation & Maintenance Manual (DTR)

WA430-6 - Serial Number' A41001 AND UP - ENGINE 6D114E-3 - Operation & Maintenance Manual (DTR)

WA430-6 - Serial Number' A41001 AND UP - Shop Manual (serwisowe instrukcje napraw)

WA430-6 - Serial Number' A42001 AND UP - ENGINE 6D114E-3 - Operation & Maintenance Manual (DTR)

**WA430-6 - Serial Number' A42001 AND UP - SAA6D114E-3 ENGINE-Shop Manual
(serwisowe instrukcje napraw)**

WA450-1 - Serial Number' 10001 AND UP - Shop Manual (serwisowe instrukcje napraw)

WA450-2 - Serial Number' A25001 AND UP - Operation & Maintenance Manual (DTR)

WA450-2 - Serial Number' A25001 AND UP - Shop Manual (serwisowe instrukcje napraw)

**WA450-3-AVANCE PLUS - Serial Number' A31001 AND UP,MATERIAL HANDLER A335001
AND UP - Shop Manual (serwisowe instrukcje napraw)**

WA450-3 - Serial Number' 53001 AND UP - Operation & Maintenance Manual (DTR)

**WA450-3-SN 'A30001 AND UP - ENGINE CUMMINS M11 - Operation & Maintenance Manual
(DTR)**

WA450-3 - Serial Number' A30001 AND UP - Shop Manual (serwisowe instrukcje napraw)

WA450-3 - Serial Number'53001 AND UP - Shop Manual (serwisowe instrukcje napraw)

**WA450-5L,WA480-5L-GALEO - Serial Number' A36001 AND UP,A37001 AND UP - Shop
Manual (serwisowe instrukcje napraw)**

**WA450-5L - Serial Number' A36001 AND UP - ENGINE 6D125E-3 - Operation &
Maintenance Manual (DTR)**

**WA450-6,WA480-6-GALEO - Serial Number' 66001 AND UP,85001 AND UP - Shop Manual
(serwisowe instrukcje napraw)**

**WA450-6,WA480-6 - Serial Number' A44001 AND UP,A38001 AND UP - ENGINE
6D125E-5-Shop Manual (serwisowe instrukcje napraw)**

**WA450-6 - Serial Number' 66001 AND UP - ECOT3 - Operation & Maintenance Manual
(DTR)**

**WA450-6 - Serial Number' A44001 AND UP - ENGINE 6D125E-5 - Operation & Maintenance
Manual (DTR)**

WA470-1 - Serial Number' 10001 AND UP - Shop Manual (serwisowe instrukcje napraw)

**WA470-5,WA480-5 - Serial Number' 70001 AND UP,80001 AND UP - Shop Manual
(serwisowe instrukcje napraw)**

**WA470-5-GALEO - Serial Number' 70001 AND UP - Operation & Maintenance Manual
(DTR)**

**WA470-5H,WA480-5H - Serial Number' H50051AND UP - Shop Manual (serwisowe
instrukcje napraw)**

WA470-5H - Serial Number' H50051 AND UP - Operation & Maintenance Manual (DTR)

WA470-5 - Serial Number' 80613AND UP - Operation & Maintenance Manual (DTR)

**WA470-6,WA480-6 - Serial Number' 85001 TO 90000-ECOT3-Shop Manual (serwisowe
instrukcje napraw)**

**WA470-6,WA480-6 - Serial Number' 90001AND UP - Shop Manual (serwisowe instrukcje
napraw)**

**WA470-6,WA480-6 - Serial Number' A45999,A47999-Shop Manual (serwisowe instrukcje
napraw)**

**WA470-6,WA480-6 - Serial Number' A46001 AND UP,A48001 AND UP - ENGINE
6D125E-5-Shop Manual (serwisowe instrukcje napraw)**

**WA470-6LC,WA480-6LC - Serial Number' H50880-H51999,H60470 AND UP - Operation &
Maintenance Manual (DTR)**

**WA470-6 - Serial Number' 85001 AND UP - ECOT3 - Operation & Maintenance Manual
(DTR)**

**WA470-6 - Serial Number' 90001 AND UP - ECOT3 - Operation & Maintenance Manual
(DTR)**

**WA470-6 - Serial Number' 90091 AND UP - ECOT3 - Operation & Maintenance Manual
(DTR)**

**WA470-6 - Serial Number' 90234 AND UP - ECOT3 - Operation & Maintenance Manual
(DTR)**

**WA470-6 - Serial Number' A45001 AND UP - ENGINE 6D125E-5 - Operation & Maintenance
Manual (DTR)**

**WA470-6 - Serial Number' A46001 AND UP - ENGINE 6D125E-5 - Operation & Maintenance
Manual (DTR)**

WA470-6 - Serial Number' H50051 AND UP - Operation & Maintenance Manual (DTR)
WA470-6 - Serial Number' H50051AND UP - WA480-6 - Serial Number'H60051 AND UP -
Shop Manual (serwisowe instrukcje napraw)
WA470-7 - Serial Number' 10001 AND UP - Field Assembly Instruction
WA470-7 - Serial Number' 10001 AND UP - Operation & Maintenance Manual (DTR)
WA470-7 - Serial Number' 10001 AND UP - Shop Manual (serwisowe instrukcje napraw)
WA470-7 - Serial Number' A47001 AND UP - ENGINE 6D125E-6 - Operation & Maintenance
Manual (DTR)
WA470-7 - Serial Number' A47001 AND UP - ENGINE 6D125E-6-Shop Manual (serwisowe
instrukcje napraw)
WA470-8 - Serial Number' 100001 AND UP - Field Assembly Instruction
WA470-8 - Serial Number' 100001 AND UP - Operation & Maintenance Manual (DTR)
WA470-8 - Serial Number' 100001 AND UP - Shop Manual (serwisowe instrukcje napraw)
WA470-8 - Serial Number' 100010 AND UP - Operation & Maintenance Manual (DTR)
WA470-8 - Serial Number' A49001 AND UP - ENGINE 6D125E-7 - Operation & Maintenance
Manual (DTR)
WA470-8 - Serial Number' A49001 AND UP - ENGINE 6D125E-7-Shop Manual (serwisowe
instrukcje napraw)
WA480-5H - Serial Number' H50051 AND UP - Operation & Maintenance Manual (DTR)
WA480-5H - Serial Number' H60409 AND UP - Operation & Maintenance Manual (DTR)
WA480-5L - Serial Number' A37001 AND UP - ENGINE 6D125E-3 - Operation &
Maintenance Manual (DTR)
WA480-6 - Serial Number' 85001 AND UP - ECOT3 - Operation & Maintenance Manual
WA480-6-SN '85390 AND UP - ECOT3 - Operation & Maintenance Manual (DTR)
WA480-6 - Serial Number' 90091 AND UP - ECOT3 - Operation & Maintenance Manual
WA480-6-SN '90234 AND UP - ECOT3 - Operation & Maintenance Manual (DTR)
WA480-6 - Serial Number' A38001 AND UP - ENGINE 6D125E-5 - Operation & Maintenance
Manual (DTR)
WA480-6 - Serial Number' A47001 AND UP - ENGINE 6D125E-5 - Operation & Maintenance
Manual (DTR)
WA480-6 - Serial Number' A48001 AND UP - ENGINE 6D125E-5 - Operation & Maintenance
Manual (DTR)
WA500-1LC - Serial Number' A60001 AND UP - Operation & Maintenance Manual (DTR)
WA500-1LC - Serial Number' A60001 AND UP - Shop Manual (serwisowe instrukcje
napraw)
WA500-1L - Serial Number' A20051 AND UP - Operation & Maintenance Manual (DTR)
WA500-1L - Serial Number' A20854 AND UP - Operation & Maintenance Manual (DTR)
WA500-1L - Serial Number' A20854 AND UP - Shop Manual (serwisowe instrukcje napraw)
WA500-1 - Serial Number' 10001 AND UP - Shop Manual (serwisowe instrukcje napraw)
WA500-1 - Serial Number' A61001 AND UP - Operation & Maintenance Manual (DTR)
WA500-1 - Serial Number' A61001 AND UP - Shop Manual (serwisowe instrukcje napraw)
WA500-3 - AVANCE LOADER - Serial Number' 52380 AND UP - Operation & Maintenance
Manual (DTR)
WA500-3H - Serial Number' H20051 AND UP - Operation & Maintenance Manual (DTR)
WA500-3H - Serial Number' WA500H20051 AND UP - Shop Manual (serwisowe instrukcje
napraw)
WA500-3LK-AVANCE PLUS - Serial Number' A71001 AND UP - Shop Manual (serwisowe
instrukcje napraw)
WA500-3LK-SN, A71001 AND UP - ENGINE 6D140E-3 - Operation & Maintenance Manual
(DTR)
WA500-3 - Serial Number' 50001 AND UP - Shop Manual (serwisowe instrukcje napraw)
WA500-3 - Serial Number' 52001-52379 - Operation & Maintenance Manual (DTR)
WA500-3 - Serial Number' A70001 AND UP - ENGINE NTA14C-Shop Manual (serwisowe
instrukcje napraw)
WA500-3 - Serial Number' A70001 AND UP - Operation & Maintenance Manual (DTR)

WA500-6R - Serial Number' 60001 AND UP - Shop Manual (serwisowe instrukcje napraw)
WA500-6R - Serial Number' 60011 AND UP - Operation & Maintenance Manual (DTR)
WA500-6 - Serial Number' 55001 AND UP - ECOT3-Field Assembly Instruction
WA500-6 - Serial Number' 55001 AND UP - ECOT3 - Operation & Maintenance Manual (DTR)
WA500-6 - Serial Number' 55001 AND UP - ECOT3-Shop Manual (serwisowe instrukcje napraw)
WA500-6 - Serial Number' 55376 AND UP - ECOT3 - Operation & Maintenance Manual (DTR)
WA500-6 - Serial Number' 55450 AND UP - ECOT3 - Operation & Maintenance Manual (DTR)
WA500-6 - Serial Number' 55529 AND UP - ECOT3 - Operation & Maintenance Manual (DTR)
WA500-6 - Serial Number' A92001 AND UP - Operation & Maintenance Manual (DTR)
WA500-6 - Serial Number' A93001 AND UP - ENGINE 6D140E-5 - Operation & Maintenance Manual (DTR)
WA500-6 - Serial Number' A93001 AND UP - Shop Manual (serwisowe instrukcje napraw)
WA500-6 - Serial Number' A92001-A92999-ENGINE SAA6D140E-5-Shop Manual (serwisowe instrukcje napraw)
WA500-7 - Serial Number' 10001 AND UP - Field Assembly Instruction
WA500-7 - Serial Number' 10001 AND UP - Operation & Maintenance Manual (DTR)
WA500-7 - Serial Number' 10001 AND UP - Shop Manual (serwisowe instrukcje napraw)
WA500-7 - Serial Number' A94001 AND UP - ENGINE 6D140E-6 - Operation & Maintenance Manual (DTR)
WA500-7 - Serial Number' A94001 AND UP - ENGINE 6D140E-6-Shop Manual (serwisowe instrukcje napraw)
WA500-8 - Serial Number' 90001 AND UP - Field Assembly Instruction
WA500-8 - Serial Number' 90001 AND UP - Operation & Maintenance Manual (DTR)
WA500-8 - Serial Number' 90001 AND UP - Shop Manual (serwisowe instrukcje napraw)
WA500-8 - Serial Number' A96001 AND UP - ENGINE 6D140E-7 - Operation & Maintenance Manual (DTR)
WA500-8 - Serial Number' A96001 AND UP - ENGINE 6D140E-7-Shop Manual (serwisowe instrukcje napraw)
WA600-1LC - Serial Number' A50001 AND UP - Operation & Maintenance Manual (DTR)
WA600-1LC - Serial Number' A50001 AND UP - Shop Manual (serwisowe instrukcje napraw)
WA600-1L - Serial Number' A10033 AND UP - Operation & Maintenance Manual (DTR)
WA600-1L - Serial Number' A10391 AND UP - Operation & Maintenance Manual (DTR)
WA600-1L - Serial Number' A10391-Shop Manual (serwisowe instrukcje napraw)
WA600-1 - Serial Number' 10001 AND UP - Shop Manual (serwisowe instrukcje napraw)
WA600-1 - Serial Number' A51001 AND UP - Operation & Maintenance Manual (DTR)
WA600-1 - Serial Number' A51001 AND UP - Shop Manual (serwisowe instrukcje napraw)
WA600-3 - AVANCE LOADER - Serial Number' 50001 AND UP - Operation & Maintenance Manual (DTR)
WA600-3 - AVANCE LOADER - Serial Number' 50001 AND UP - Shop Manual (serwisowe instrukcje napraw)
WA600-3 - AVANCE LOADER - Serial Number' 50128 AND UP - Operation & Maintenance Manual (DTR) (2)
WA600-3 - AVANCE LOADER - Serial Number' 50128 AND UP - Operation & Maintenance Manual (DTR)
WA600-3-GALEO - Serial Number' 52001 AND UP - Operation & Maintenance Manual (DTR)
WA600-3LK-AVANCE PLUS-SN 'A53001-Shop Manual (serwisowe instrukcje napraw)
WA600-3LK - Serial Number' A53001 AND UP - ENGINE 6D170E-3 - Operation & Maintenance Manual (DTR)
WA600-3L - Serial Number' A52001 AND UP - Shop Manual (serwisowe instrukcje napraw)

WA600-3 - Serial Number' 50001 AND UP - Field Assembly Manual
WA600-3 - Serial Number' 52001 AND UP - Operation & Maintenance Manual (DTR)
WA600-3 - Serial Number' A52001 AND UP - Operation & Maintenance Manual (DTR)
WA600-6-GALEO - Serial Number' 60001 AND UP - ECOT3-Field Assembly Instruction
WA600-6-GALEO - Serial Number' 60001 AND UP - ECOT3 - Operation & Maintenance Manual (DTR)
WA600-6 - Serial Number' 60001 AN UP - ECOT3-Shop Manual (serwisowe instrukcje napraw)
WA600-6 - Serial Number' 60361 AND UP - ECOT3-Operation & Maintenance Manual (DTR)
WA600-6 - Serial Number' 60436AND UP - ECOT3-Operation & Maintenance Manual (DTR)
WA600-6 - Serial Number' 60634 AND UP - ECOT3-Operation & Maintenance Manual (DTR)
WA600-6 - Serial Number' 60732 AND UP - ECOT3-Operation & Maintenance Manual (DTR)
WA600-8 - Serial Number' 80001 AND UP - Field Assembly Instruction
WA600-8 - Serial Number' 80001 AND UP - Operation & Maintenance Manual (DTR)
WA600-8 - Serial Number' 80001 AND UP - Shop Manual (serwisowe instrukcje napraw)
WA700-1 - Serial Number' 5000 AND UP - ENGINE 6D1?OE-2 - Operation & Maintenance Manual (DTR)
WA700-1 - Serial Number' 15001 AND UP - Shop Manual (serwisowe instrukcje napraw)
WA700-3 - AVANCE LOADER - Serial Number' 50001 AND UP - Shop Manual (serwisowe instrukcje napraw)
WA700-3 - AVANCE LOADER - Serial Number' 50010 AND UP - Operation & Maintenance Manual (DTR)
WA?00-3-GALEO - Serial Number' 51001 AND UP - Operation & Maintenance Manual (DTR)
WA700-3-GALEO - Serial Number' 51005 AND UP - Operation & Maintenance Manual (DTR)
WA700-3L - AVANCE LOADER - Serial Number' A50001 AND UP - Shop Manual (serwisowe instrukcje napraw)
WA700-3L - Serial Number' A50001 AND UP - ENGINE 6D170E-Operation & Maintenance Manual (DTR)
WA700-3 - Serial Number' 50001 AND UP - Field Assembly Manual
WA700-3 - Serial Number' 50001 AND UP - Operation & Maintenance Manual (DTR)
WA700-3 - Serial Number' 51005 AND UP - Shop Manual (serwisowe instrukcje napraw)
WA800-1,WA800-2 - Serial Number' 10001-10499,10501 AND UP - Shop Manual (serwisowe instrukcje napraw)
WA800-1 - Serial Number' 10001 AND UP - Operation & Maintenance Manual (DTR)
WA800-2 - Serial Number' 10540 AND UP - Field Assembly Manual
WA800-2 - Serial Number' 10598 AND UP - Operation & Maintenance Manual (DTR)
WA800-2 - Serial Number' 10710 AND UP - Operation & Maintenance Manual (DTR)
WA800-2 - Serial Number' A20001 AND UP - Operation & Maintenance Manual (DTR)
WA800-2 - Serial Number' A20020 AND UP - Operation & Maintenance Manual (DTR)
WA800-2 - Serial Number' A20020 AND UP - Shop Manual (serwisowe instrukcje napraw)
WA800-3 - AVANCE LOADER - Serial Number' 50001 AND UP - Operation & Maintenance Manual (DTR)
WA800-3 - AVANCE LOADER - Serial Number' 50001 AND UP - Shop Manual (serwisowe instrukcje napraw)
WA800-3 - AVANCE LOADER - Serial Number' 50009 AND UP - Operation & Maintenance Manual (DTR)
WA800-3 - AVANCE LOADER - Serial Number' 50091 AND UP - Operation & Maintenance Manual
WA800-3EO,WA900-3EO - Serial Number' 70001 AND UP,60001 AND UP - Field Assembly Instruction

WA800-3EO,WA900-3EO - Serial Number' 70001 AND UP,60001 AND UP - Operation & Maintenance Manual (DTR)

WA800-3EO,WA900-3EO - Serial Number' 70001 AND UP,60001 AND UP - Shop Manual (serwisowe instrukcje napraw)

WA800-3EO,WA900-3EO - Serial Number' 70019 AND UP,60023 AND UP - Operation & Maintenance Manual (DTR)

WA800-3EO,WA900-3EO - Serial Number' 70028 AND UP,60077 AND UP - Operation & Maintenance Manual (DTR)

WA800-3EO,WA900-3EO - Serial Number' 70040 AND UP,60095 AND UP - Operation & Maintenance Manual (DTR)

WA800-3EO,WA900-3EO - Serial Number' 70063 AND UP,60162 AND UP - Operation & Maintenance Manual (DTR)

WA800-3EO,WA900-3EO - Serial Number' 70075 AND UP,60207 AND UP - Operation & Maintenance Manual (DTR)

WA800-3LC - AVANCE LOADER - Serial Number' A50001 AND UP - Shop Manual (serwisowe instrukcje napraw)

WA800-3LC-AVANCE PLUS - Serial Number' A50001 AND UP - Operation & Maintenance Manual (DTR)

WA800-3LC - Serial Number' A50001 AND UP - Field Assembly Manual

WA800-3 - Serial Number' 50001 AND UP - Field Assembly Instruction

WA800L-3 - AVANCE LOADER - Serial Number' 52001 AND UP - Operation & Maintenance Manual (DTR)

WA800L-3 - AVANCE LOADER - Serial Number' 52001 AND UP - Shop Manual (serwisowe instrukcje napraw)

WA900-1,WA900-1L - Serial Number' 10001 AND UP,A20001-A20007 - Operation & Maintenance Manual (DTR)

WA900-1 - Serial Number' 10001 AND UP - Shop Manual (serwisowe instrukcje napraw)

WA900-1 - Serial Number' A20008 AND UP - Operation & Maintenance Manual (DTR)

WA900-1 - Serial Number' A20008 AND UP - Shop Manual (serwisowe instrukcje napraw)

WA900-3 - AVANCE LOADER - Serial Number' 50001 AND UP - Operation & Maintenance Manual (DTR)

WA900-3 - AVANCE LOADER - Serial Number' 50001 AND UP - Shop Manual (serwisowe instrukcje napraw)

WA900-3 - AVANCE LOADER - Serial Number' 50009 AND UP - Operation & Maintenance Manual (DTR)

WA900-3LC - AVANCE LOADER - Serial Number' A50001 AND UP - Shop Manual (serwisowe instrukcje napraw)

WA900-3LC-AVANCE PLUS - Serial Number' A50001 AND UP - Operation & Maintenance Manual (DTR)

WA900-3LC - Serial Number' A50001 AND UP - Field Assembly Manual

WA900-3 - Serial Number' 50001 AND UP - Field Assembly Instruction

WA900L-3 - AVANCE LOADER - Serial Number' 52001 AND UP - Operation & Maintenance Manual (DTR)

WA900L-3 - AVANCE LOADER - Serial Number' 52001 AND UP - Shop Manual (serwisowe instrukcje napraw)

WA1200-3-GALEO - Serial Number' 50001 AND UP - Operation & Maintenance Manual (DTR)

WA1200-3 - Serial Number' 50001 AND UP - Field Assembly Instruction

WA1200-3 - Serial Number' 50057 AND UP - Operation & Maintenance Manual (DTR)

WA1200-3 - Serial Number' 50075 AND UP - Operation & Maintenance Manual (DTR)

WA1200-3 - Serial Number' 50102 AND UP - Operation & Maintenance Manual (DTR)

WA1200-6 - Serial Number' 60001 AND UP - Field Assembly Instruction

WA1200-6 - Serial Number' 60001 AND UP - Operation & Maintenance Manual (DTR)

WA1200-6 - Serial Number' 60001 AND UP - Shop Manual (serwisowe instrukcje napraw)

WA1200-3 - Serial Number' 50001 AND UP - Shop Manual (serwisowe instrukcje napraw)

**WA50006 - Serial Number' 55544 AND UP - ECOT3 - Operation & Maintenance Manual
(DTR)**

Shop Manual - instrukcje napraw



Instrukcje napraw - schematy instalacji - DTR

DISASSEMBLING

STEP 11

Remove the brake shaft.



STEP 12

Remove the toothed ring.

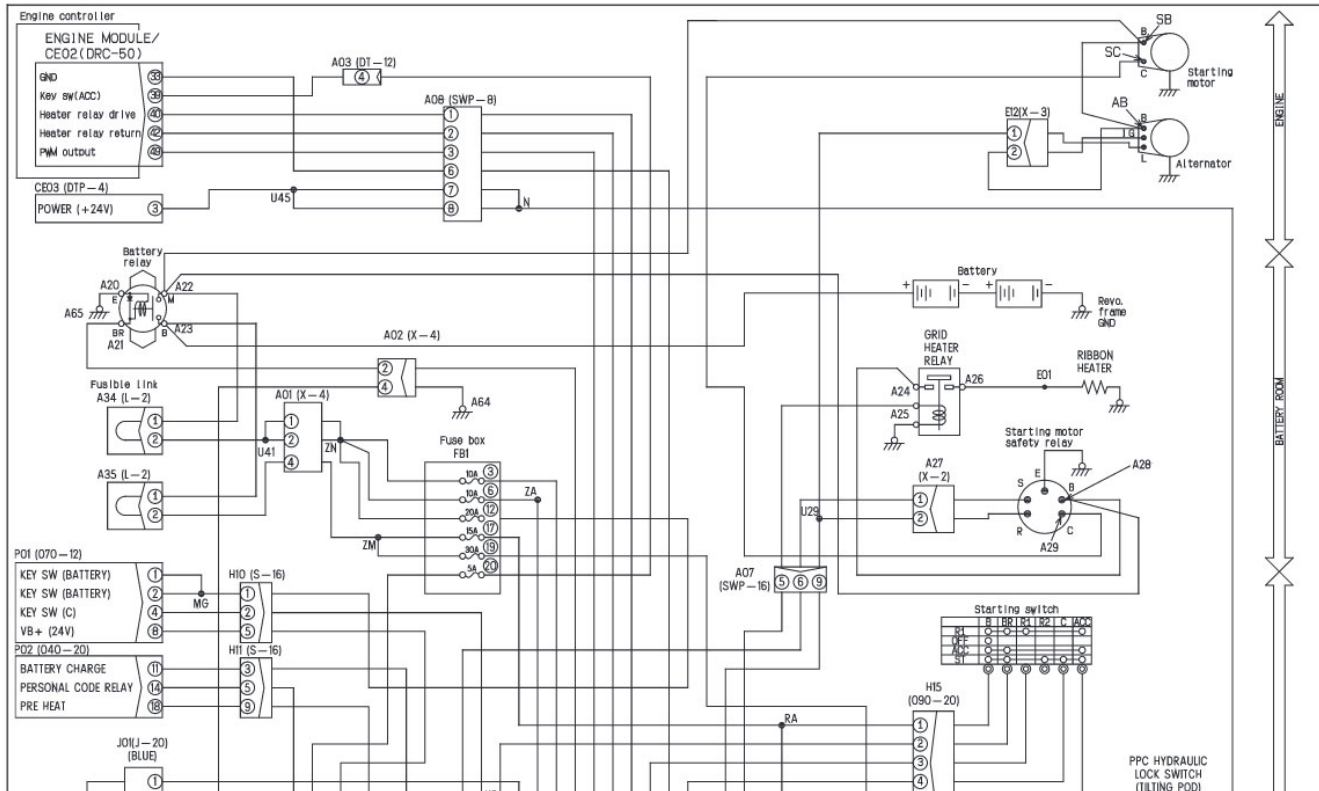


STEP 13

Remove the 1st stage sun gear.



Circuit diagram related to engine preheater/starting motor/charging system



 **90 ± 3 Nm {9.2 ± 0.3 kgm}**

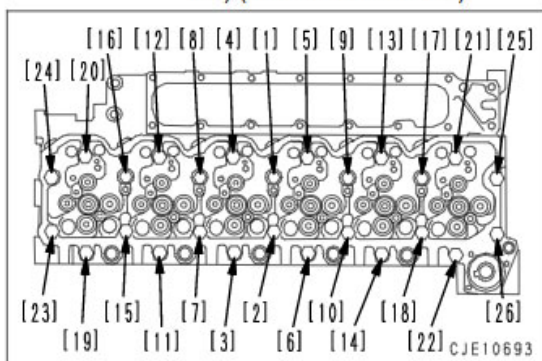
2]

 **Recheck the torque:
90 ± 3 Nm {9.2 ± 0.3 kgm}**

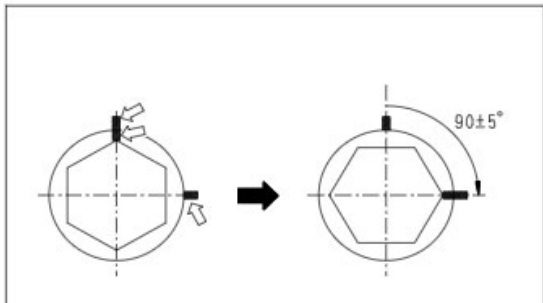
3]

 **90° ± 5° (Tighten with an angle tightening tool.)**

- a Tool **A6**: wrench is adopted for angle tightening. (Refer to the tool list.) (Refer to the tool list.)



- When an angle tightening tool is not used:
Put marks on the cylinder head and bolts with a felt-tip pen, and then tighten the bolts an additional 90° ± 5°.



- Install push rods (57).
- Install rocker arm support (58).



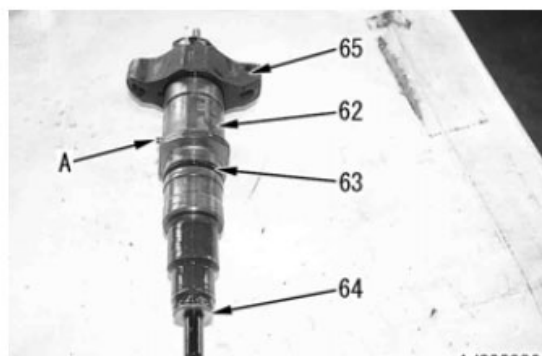
- Fuel injector assembly

- ✗ Check that there is no damage or dust on the fuel injector sleeve.

1. Install O-ring (63) and gasket (64) to fuel injector (62).
2. Coat O-ring (63) and the head side of fuel injector (62) with engine oil (EO15W-40).

 O-ring (63) and the head side of fuel injector (62): **engine oil (EO15W-40)**

3. Install holder (65) to fuel injector (62) with concavity and convexity (A) fitted together.



DISASSEMBLY OF PRESSURE COMPENSATION VALVE ASSEMBLY

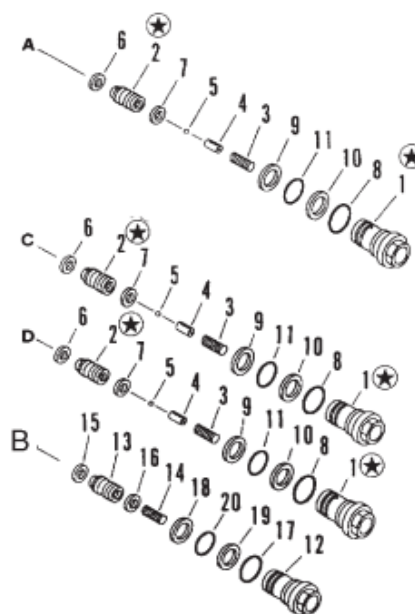
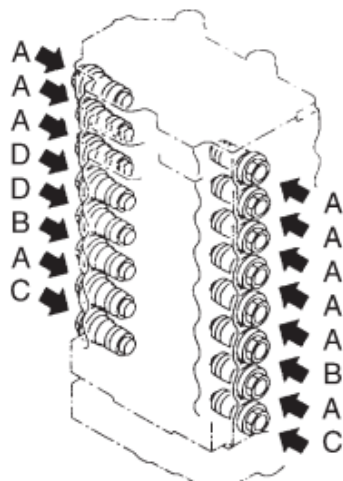
Pressure compensation valves

A: For bucket CURL/DUMP, boom Lower arm IN, stabiliser

C: For swing LEFT/RIGHT

D: For arm OUT, boom RAISE

B: For travel



• Disassembly of pressure compensation valves A,C,D

- The structure of the parts for pressure compensation valves A, C en D is the same, but the part number for the assembly marked ★ is different, so be careful when assembling.

1. Remove piston (2) and spring (3) from sleeve (1).
2. Remove plug (4) and ball (5) from piston (2).
3. Remove seals (6) and (7) from piston (2).
4. Remove O-ring (8) from sleeve (1), then remove seals (9) and (10), and O-ring (11).

- * After disassembling, if there is any abnormality in sleeve (1), piston (2), plug (4), ball (5), or seals (6) and (7), replace the whole pressure compensation valve assembly.

• Disassembly of pressure compensation valve B

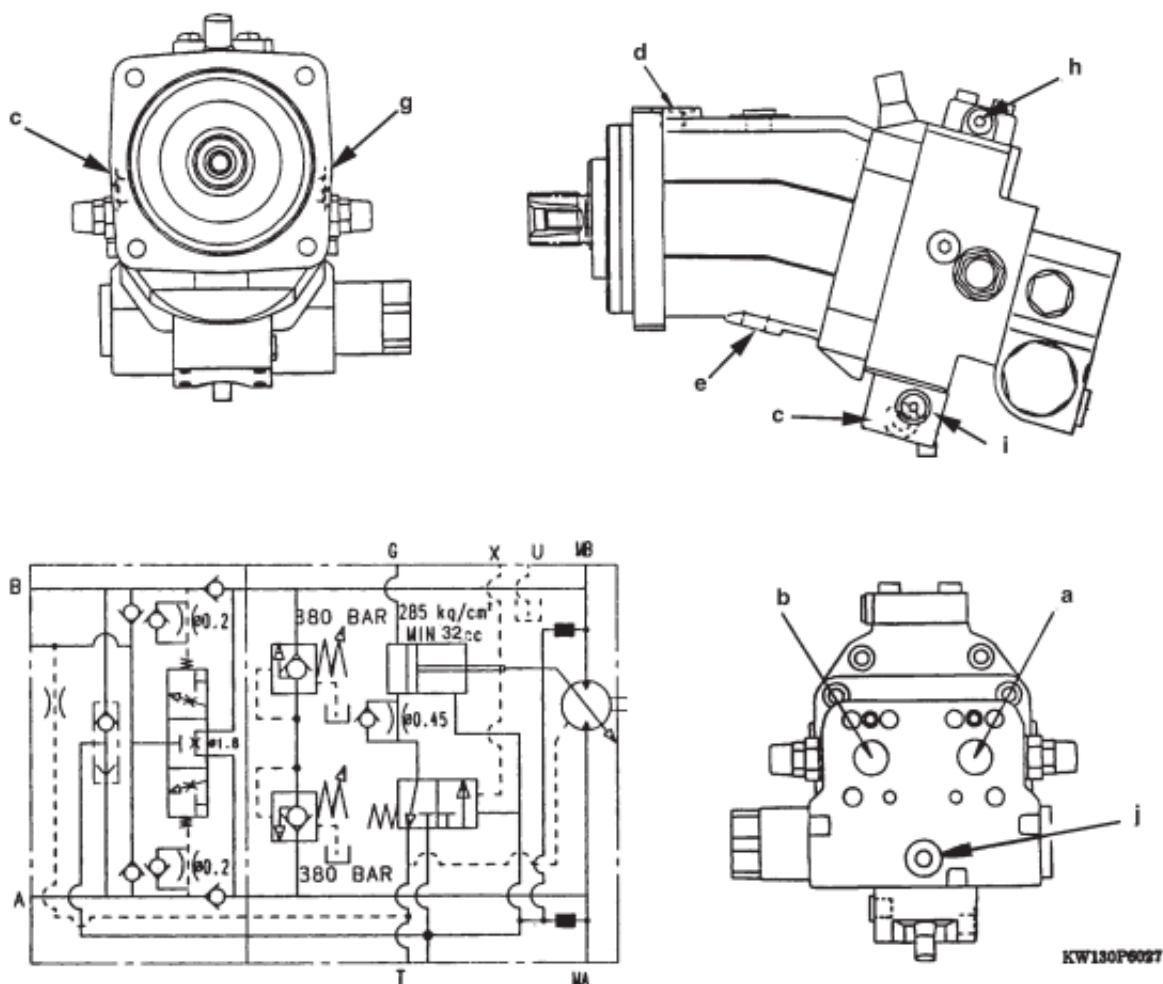
1. Remove piston (13) and spring (14) from sleeve (12).
2. Remove seals (15) and (16) from piston (13), then remove O-ring (17), seals (18) and (19), and O-ring (20) from sleeve (12).

- * After disassembling, if there is any abnormality in sleeve (12), piston (13), or seals (15) and (16), replace the whole pressure compensation valve assembly.

IDENTIFICATION OF PRESSURE COMPENSATION VALVE ASSEMBLY

Valves are identified by markings on the valve assembly.

FRONT TRAVEL MOTOR (20 Km/h TRAVEL SPEED SPEC.)



HYDRAULIC SCHEMATIC

SPECIFICATIONS

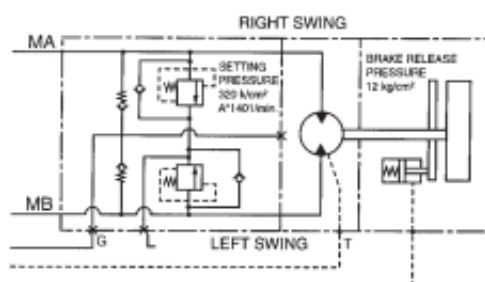
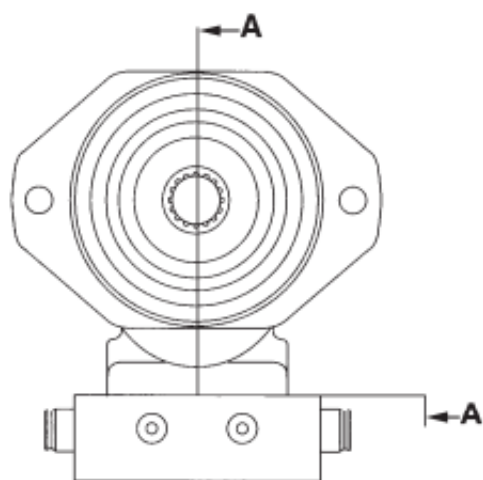
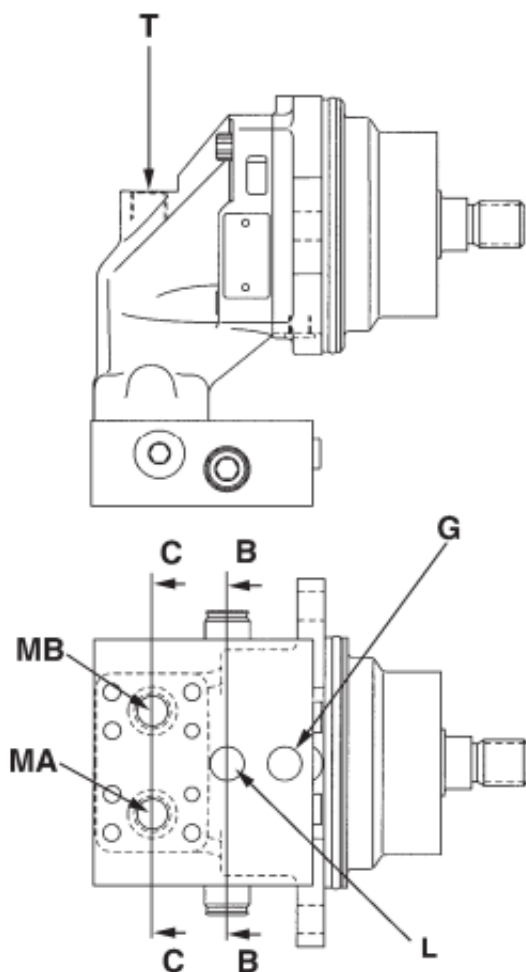
Type: Variable displacement piston motor

Theoretical delivery: Min. 32 cc/rev
Max. 80 cc/rev

Hi-Lo switching-pressure: 2.94 MPa (30 kg/cm²)
Rated speed: 4968 rpm. (Max)

- a. Motor inlet (A)
- b. Motor outlet (B)
- c. Override pressure port (X)
- d. Drain port (U)
- e. Drain port (T)
- f. Pressure test port (MB)
- g. Pressure test port (MA)
- h. Pressure test port (M1)
- i. Pressure test port (G)

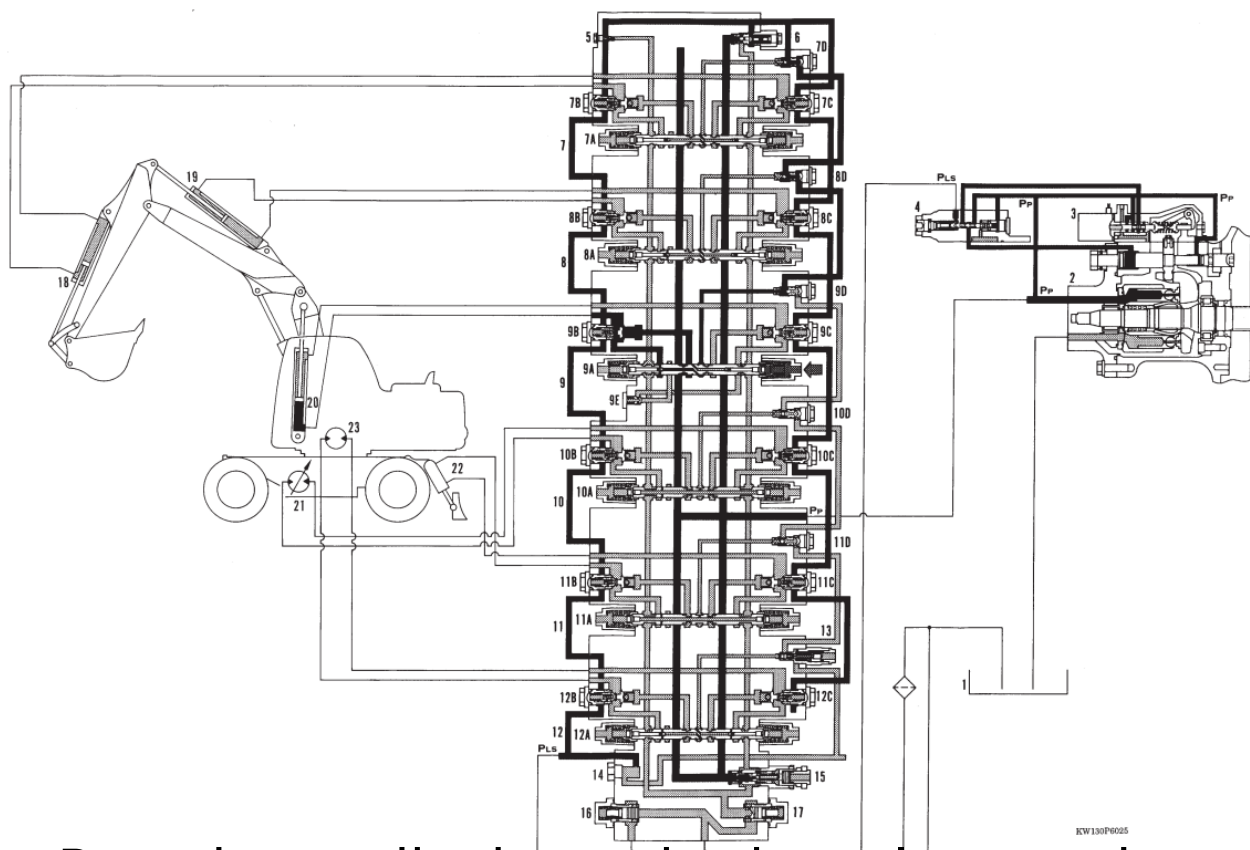
SWING MOTOR



- a. Port **G** (to control valve TSW port)
- b. Port **MB** (from control valve)
- c. Port **MA** (from control valve)
- d. Port **T** (to tank)
- e. Port **L** (plugged)

SPECIFICATIONS

Type	F12-060-MF-CV-C-509
Theoretical delivery	59.8 cc/rev
Safety valve set pressure	31.36 MPa (320 kg/cm ²)
Rated speed	2250 rpm



Powyższe zdjęcia pochodzą z losowych instrukcji napraw do maszyn budowlanych marki Komatsu.

10-89

Po zakupie otrzymają Państwo dokumentację do ładowarek kołowych Komatsu

Format PDF

Język angielski

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motodiagnostyka2010@gmail.com

Szukasz instrukcji napraw, schematów lub DTR do innych maszyn lub modeli? Zadzwoń lub napisz do nas.