WEAM002203

Operation & Maintenance Manual

WB140PS-2
WB150PS-2
POWER-SHIFT

BACKHOE-LOADER

SERIAL NUMBER

WB140PS-2 140F50098 and up

WB150PS-2 150F50032 and up

WARNING

Unsafe use of this machine may cause serious injury or death. Operators and maintenance personnel must read this manual before operating or maintaining this machine. This manual should be kept near the machine for reference and periodically reviewed by all personnel who will come into contact with it.

NOTICE

Komatsu has Operation & Maintenance Manuals written in some other languages. If a foreign language manual is necessary, contact your local distributor for availability.

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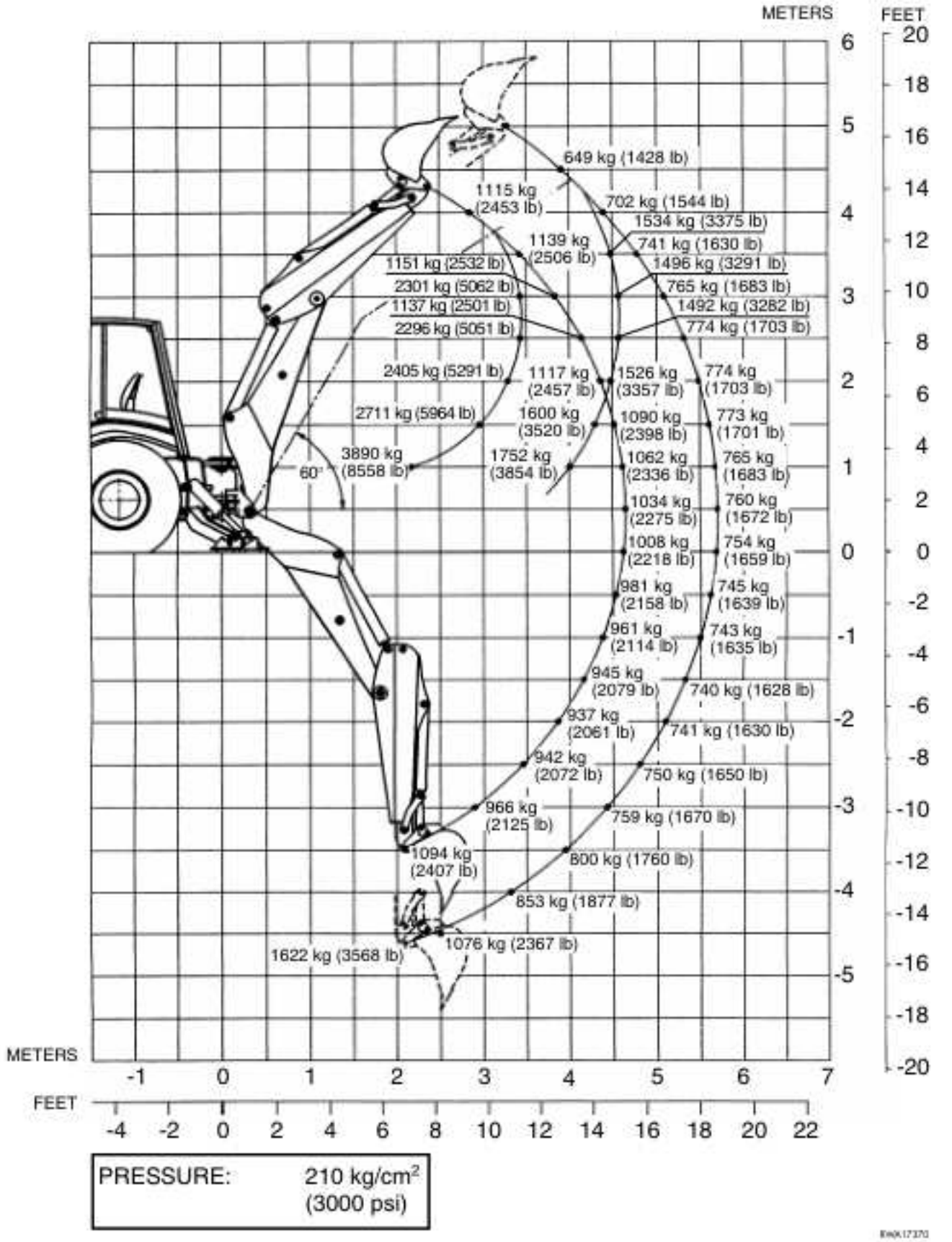
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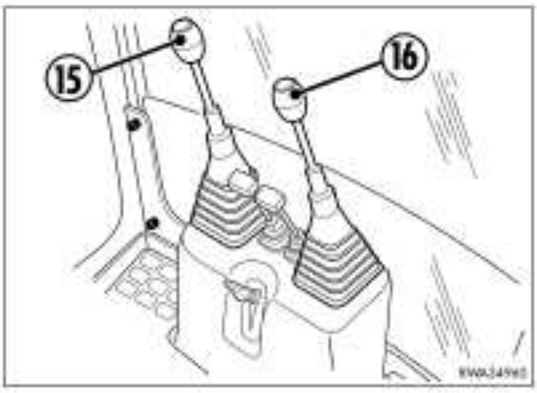
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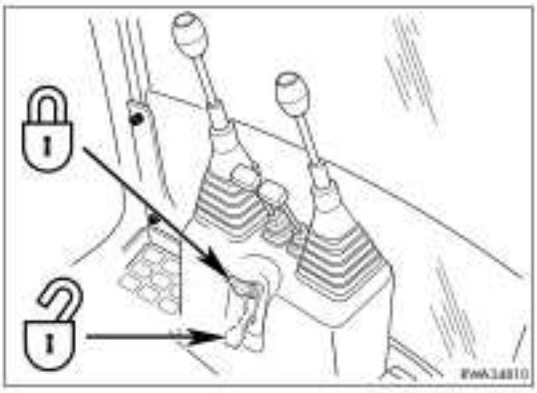
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15-16 - BACKHOE CONTROL LEVERS



WARNING

- **Before carrying out any maneuver with these levers, the operator must be sitting in the working position, that is, with the seat rotated by 180° with respect to the driving position and with fastened safety belt; before any maneuver, take all the precautions indicated in section "22. USING THE MACHINE AS AN EXCAVATOR".**
- **Before leaving the working position, lower the equipment to the ground and do not stop the engine if the safety lock is not engaged.**
- **When traveling on roads, always lock the levers by means of the safety lock.**



The backhoe control levers can be equipped with different boom, arm and bucket controls according to two different systems:

1 - ISO STANDARD CONTROLS

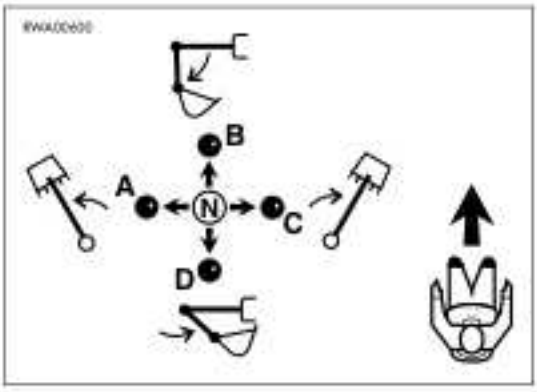
2 - KOMATSU BACKHOE CONTROLS

No movement can be carried out when the safety lever is shifted upwards (See "10.2 BACKHOE LOCKS").

The following diagrams show the basic and combined manoeuvres that can be performed with these three systems:

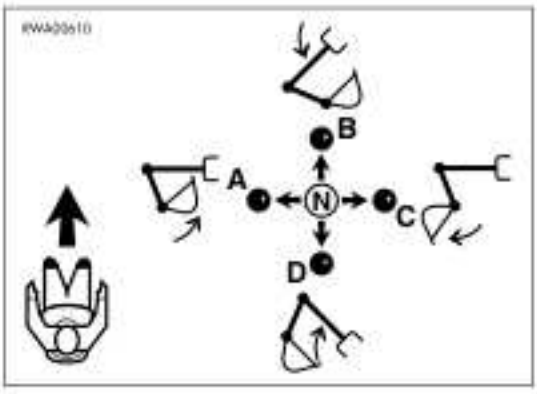
ISO STANDARD CONTROLS

LEVER 15 (BASIC MANEUVERS)



N - Neutral
A - Boom swing to the left
B - Arm opening
C - Boom swing to the right
D - Arm folding

LEVER 16 (BASIC MANEUVERS)



N - Neutral
A - Bucket curling
B - Boom lowering
C - Bucket opening
D - Boom raising

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28. MAINTENANCE PLAN

28.1 CHECKS BEFORE STARTING

N.	PART	OPERATION	PAGE
a	Various checks	—	175
b	Fuel tank	Check	175
c	Coolant	Check, (add fluid)	176
d	Engine oil pan	Check	176
e	Hydraulic oil tank	Check	177
f	Water separator	Drain water	178

28.2 MAINTENANCE EVERY 10 HOURS OF OPERATION

N.	PART	OPERATION	PAGE
a	Joints	Lubricate	178

28.3 MAINTENANCE AFTER THE FIRST 50 HOURS OF OPERATION (Only for machines in which the synthetic biodegradable oil type HEES is used)

(Carry out these operations together with those to be performed every 50 HOURS, see "28.4 MAINTENANCE EVERY 50 HOURS OF OPERATION")

N.	PART	OPERATION	PAGE
a	Hydraulic oil drain filter (Only for machines with synthetic biodegradable oil)	Change	192

28.4 MAINTENANCE EVERY 50 HOURS OF OPERATION

N.	PART	OPERATION	PAGE
a	Radiator	Check fluid level, (add fluid)	181
b	Braking system	Check oil level	181
c	Propeller shafts	Lubricate (6 points)	182
d	Front axle joints and central coupling	Lubricate (5 points)	183
e	Front and rear wheels	Check tire pressure	183
f	Electrical system	Check	184

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