PART NO. TO18F-E-01

HITACHI

Technical Manual

Operational Principle

EX

1200-5D

Hydraulic Excavator

Service Manual consists of the following separate Part No.

Technical Manual (Operational Principle)	: Vol. No.TO18F-E
Technical Manual (Troubleshooting)	: Vol. No.TT18F-E
Workshop Manual	: Vol. No.W18F-E

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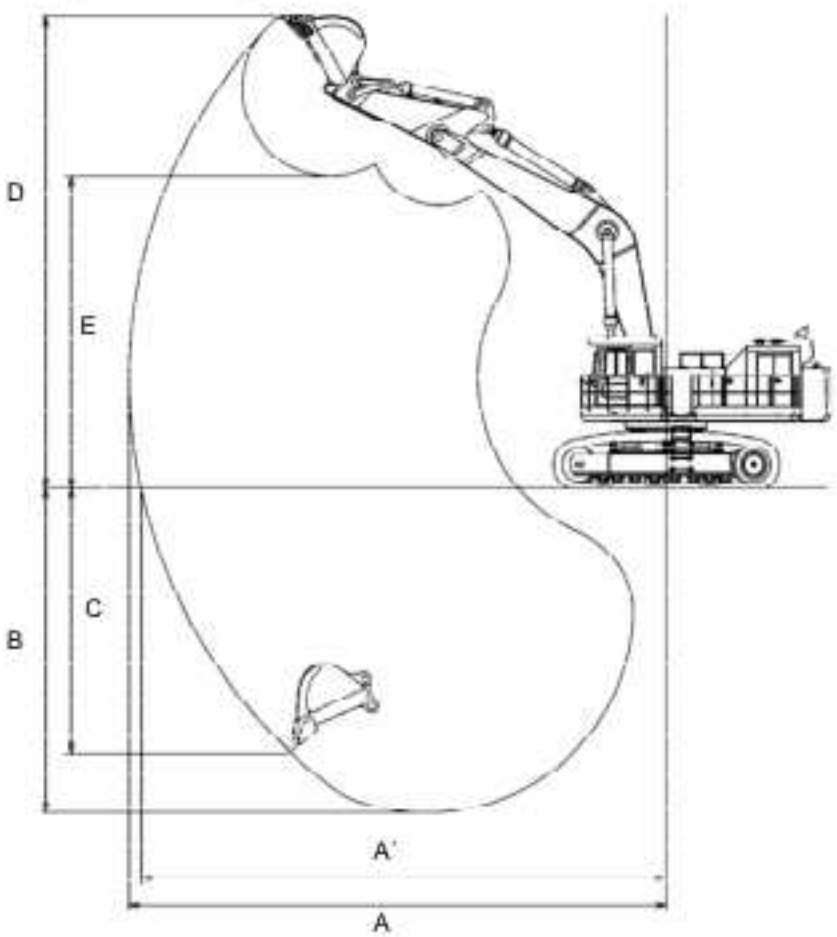
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WORKING RANGE (BACKHOE)



M183-11-002

Boom Length	9.10 m (29' 10")
Arm Length	3.40 m (11' 2")
A : Maximum Digging Reach	15340 mm (50' 4")
A' : Maximum Digging Reach (on ground)	15000 mm (49' 3")
B : Maximum Digging Depth	*9340 mm (30' 8")
C : Maximum Vertical Wall	*7620 mm (25' 0")
D : Maximum Cutting Height	*13490 mm (44' 3")
E : Maximum Dumping Height	*8920 mm (29' 3")

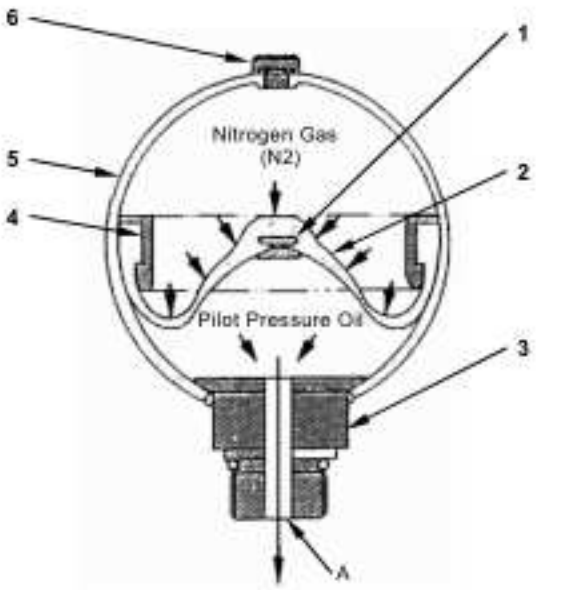
*NOTE: * The dimensions do not include the height of the shoe lug.*

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ACCUMULATOR

The accumulator is provided in the pilot circuit to buffer fluctuations in oil pressure, and to maintain the pilot pressure for a short time period after the engine is stopped.
The accumulator mainly consists of body (5), holder (4), bladder (2), which encloses nitrogen gas (N2), and poppet (1).

- Pressure oil from the pilot pump enters into the accumulator via port A. Pilot pressure compresses the nitrogen gas in bladder (2) until they balance against each other.
- When pressure supply is stopped due to engine stall or any other reasons, bladder (2) starts expanding, supplying accumulated oil into the pilot circuit via port A.

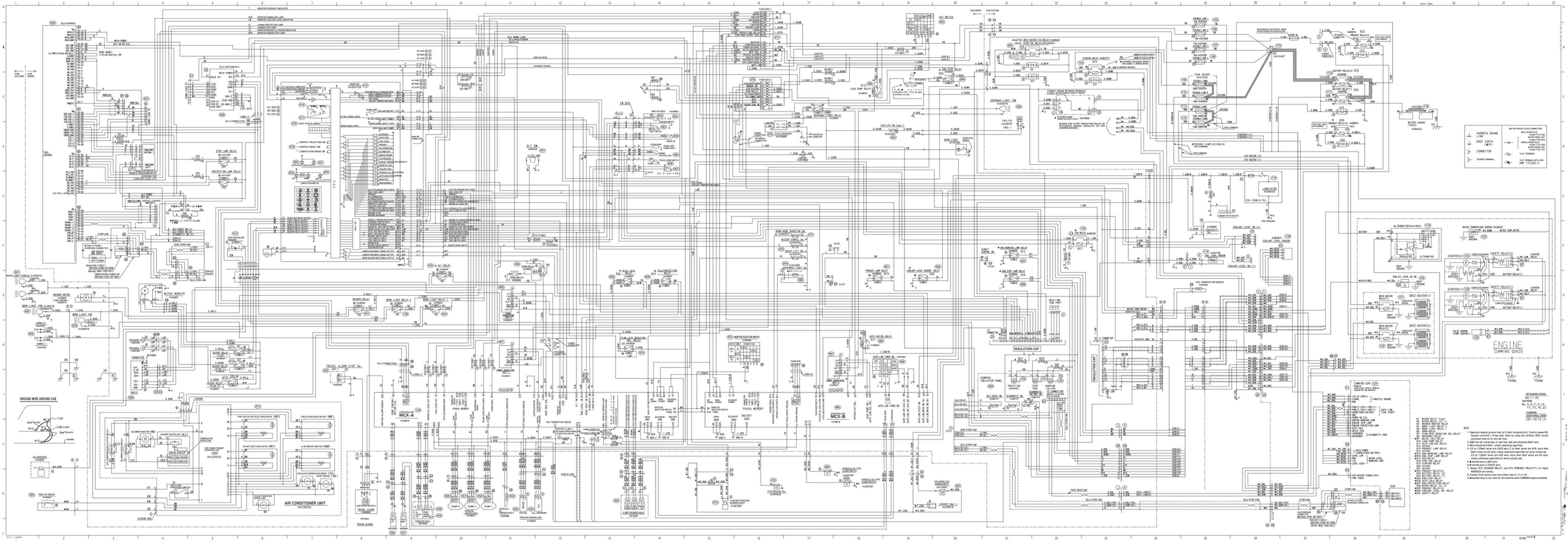


T105-02-10-003

1 - Poppet
2 - Bladder
3 - Oil Port
4 - Holder
5 - Body
6 - Gas Plug

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EX1200-5c ELECTRICAL CIRCUIT DIAGRAM (CUMMINS ENGINE SPECIFICATION)



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