PART NO. WLBF50-EN-00

HITACHI

Reliable solutions

# Workshop Manual

# ZX190W-6

## Wheeled Excavator

Service Manual consists of the following separate Part No.

| | |
|---|---|
| Technical Manual (Operational Principle) | : Vol. No.TOLBF50-EN |
| Technical Manual (Troubleshooting) | : Vol. No.TTLBF50-EN |
| Workshop Manual | : Vol. No.WLBF50-EN |
| Engine Manual | : Vol. No.ETDC150-EN, EWDC150-EN |

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## Maintenance Standard Terminology

"Standard"

1. Dimension for parts on a new machine.
2. Dimension of new components or assemblies adjusted to specification. Allowable errors will be indicated if necessary.

"Allowable Limit"

1. Normal machine performance cannot be accomplished after exceeding this limit.
2. Repair or adjustment is difficult after exceeding this limit.
3. Repair or adjustment is impossible after exceeding this limit.
   Therefore, in consideration of operation efficiency and maintenance expense, proper maintenance shall be carried out before reaching the "Allowable Limit".

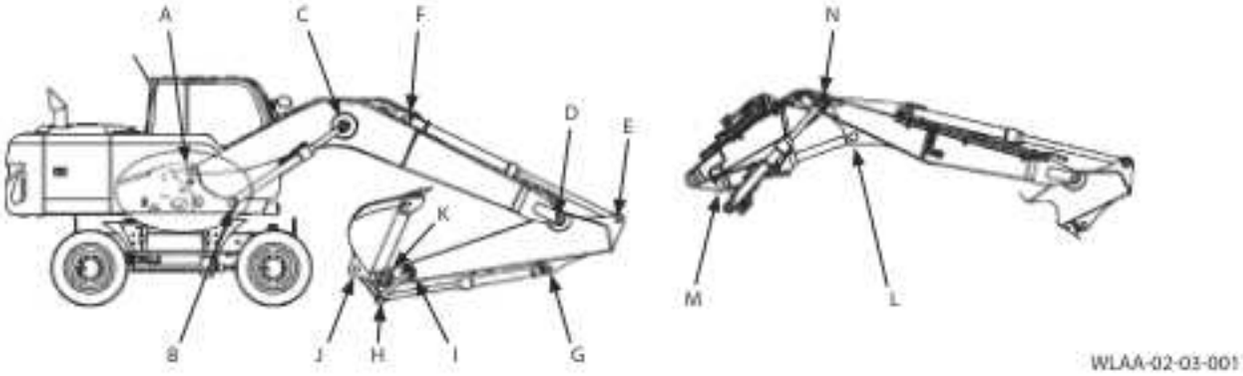


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## Pin and Bushing

**Monoblock boom**

**2-piece boom**




WLAA-02-03-001

Unit: mm

| | Part Name | Standard | Allowable Limit | Remedy |
|---|---|---|---|---|
| A | Pin | 80 | 79 | Replace |
| | Bushing (Main Frame) | 80 | 81.5 | |
| | Bushing (Boom) | 80 | 81.5 | |
| B | Pin | 80 | 79 | |
| | Boss (Main Frame) | 80 | 81.5 | |
| | Bushing (Boom Cylinder) | 80 | 81.5 | |
| C | Pin | 80 | 79 | |
| | Bushing (Boom Cylinder) | 80 | 81.5 | |
| | Boss (Boom) | 80 | 81.5 | |
| D | Pin | 80 | 79 | |
| | Boss (Boom) | 80 | 81.5 | |
| | Bushing (Arm) | 80 | 81.5 | |
| E | Pin | 71 | 70 | |
| | Boss (Arm) | 71 | 72.5 | |
| | Bushing (Arm Cylinder) | 71 | 72.5 | |
| F | Pin | 71 | 70 | |
| | Boss (Boom) | 71 | 72.5 | |
| | Bushing (Arm Cylinder) | 71 | 72.5 | |



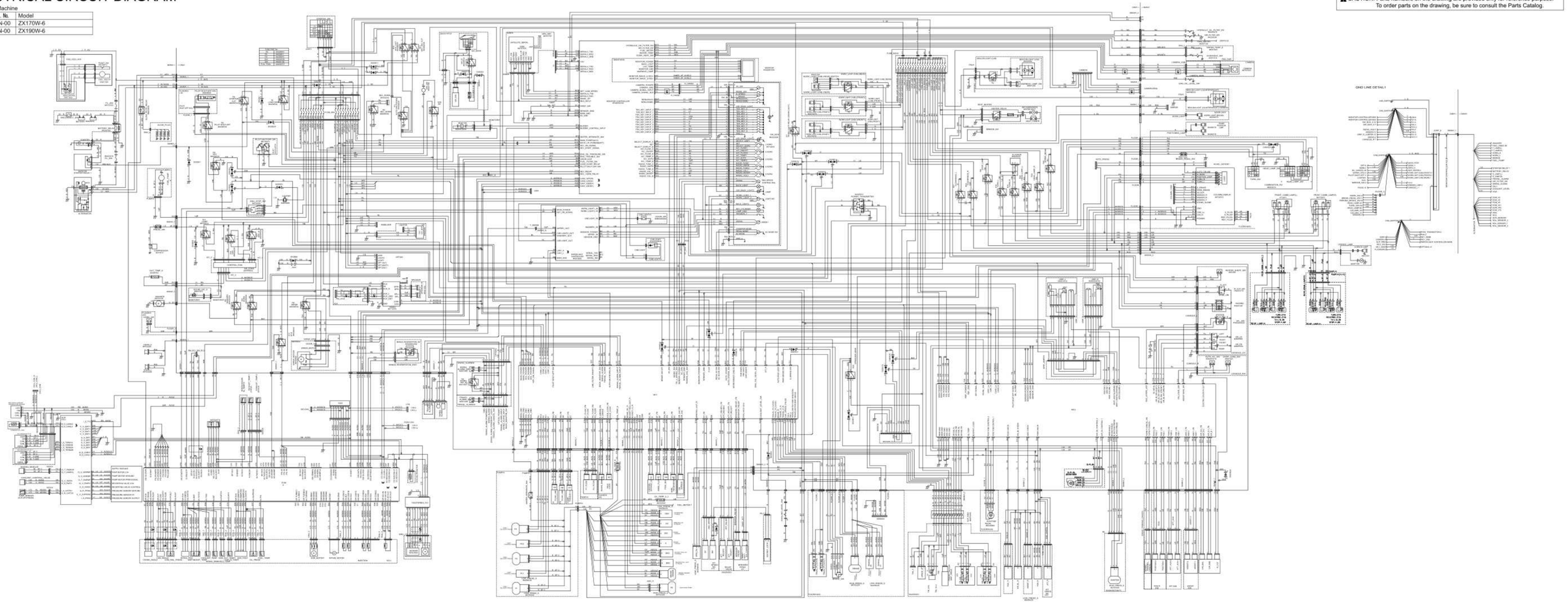
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# ELECTRICAL CIRCUIT DIAGRAM

Applicable Machine

| Attach to vol. No. | Model |
|---|---|
| TTLBE50-EN-00 | ZX170W-6 |
| TTLBF50-EN-00 | ZX190W-6 |

▲CAUTION: Parts numbers on the drawing are provided only for reference purpose.
To order parts on the drawing, be sure to consult the Parts Catalog.




TTLBF50-EN-00(20170131)



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