

## A

|                                |          |
|--------------------------------|----------|
| Accel dial switch .....        | 3-35     |
| After engine start .....       | 4-5, 4-9 |
| Air breather element .....     | 6-33     |
| Air cleaner element .....      | 6-25     |
| Air conditioner & heater ..... | 3-42     |
| Air conditioner filter .....   | 6-44     |
| Alternate exit .....           | 0-11     |
| Attachment lowering .....      | 4-31     |

## B

|                                   |      |
|-----------------------------------|------|
| Battery .....                     | 6-41 |
| Before starting engine .....      | 4-2  |
| Boom lowering .....               | 4-31 |
| Breaker maintenance .....         | 8-3  |
| Breaker precautions .....         | 8-4  |
| Bucket clearance adjustment ..... | 6-39 |
| Bucket replacement .....          | 6-37 |
| Bucket selection guide .....      | 2-12 |
| Bucket tooth replacement .....    | 6-38 |

## C

|                                        |           |
|----------------------------------------|-----------|
| Cab air filter .....                   | 6-44      |
| Cab device .....                       | 3-1       |
| Changing machine control pattern ..... | 4-34      |
| Charge air cooler .....                | 6-23      |
| Cigar lighter .....                    | 3-48      |
| Cluster .....                          | 3-2, 3-23 |
| Coolant .....                          | 6-20      |
| Cooling fan .....                      | 6-24      |

## D

|                            |      |
|----------------------------|------|
| Drain filter .....         | 6-33 |
| Dimension and weight ..... | 5-2  |

## E

|                                           |          |
|-------------------------------------------|----------|
| Emergency engine starting connector ..... | 3-60     |
| Engine oil filter .....                   | 6-18     |
| Engine oil level .....                    | 6-18     |
| Engine starting & stop .....              | 4-3, 4-7 |
| Engine starting by booster .....          | 6-41     |
| Engine stop .....                         | 4-6      |

## F

|                          |      |
|--------------------------|------|
| Fan belt .....           | 6-24 |
| Fixing the machine ..... | 5-7  |
| Fuel filter .....        | 6-28 |

|                            |      |
|----------------------------|------|
| Fuel leakage .....         | 6-30 |
| Fuel system bleeding ..... | 6-29 |
| Fuel tank .....            | 6-25 |
| Fuse & relay box .....     | 3-59 |

## G

|             |           |
|-------------|-----------|
| Gauge ..... | 3-3, 3-24 |
|-------------|-----------|

## H

|                              |      |
|------------------------------|------|
| Hydraulic breaker .....      | 8-1  |
| Hydraulic oil changing ..... | 6-31 |
| Hydraulic oil filling .....  | 6-31 |
| Hydraulic oil level .....    | 6-31 |

## L

|                                  |           |
|----------------------------------|-----------|
| LCD .....                        | 3-4, 3-26 |
| LCD display map .....            | 3-5, 3-27 |
| LCD main operation display ..... | 3-3, 3-24 |
| Levers & pedals .....            | 3-39      |
| Lifting capacities .....         | 2-9       |
| Loading the machine .....        | 5-5       |
| Lubricant specification .....    | 2-22      |

## M

|                                  |            |
|----------------------------------|------------|
| Maintenance check list .....     | 6-11       |
| Major component .....            | 2-1        |
| Master switch .....              | 3-35       |
| MCU (Machine Control Unit) ..... | 3-59       |
| Mode selection system .....      | 4-10, 4-15 |
| Monitor panel .....              | 3-2, 3-23  |
| Mounting and dismounting .....   | 1-12       |

## N

|                             |     |
|-----------------------------|-----|
| New machine operation ..... | 4-1 |
|-----------------------------|-----|

## O

|                         |      |
|-------------------------|------|
| Oil cooler .....        | 6-23 |
| Operating pattern ..... | 4-34 |

## P

|                                     |           |
|-------------------------------------|-----------|
| Pedals .....                        | 3-40      |
| Periodical replacement parts .....  | 6-5       |
| Pilot line filter .....             | 6-33      |
| Pin & bushing lubrication .....     | 6-40      |
| Prefilter .....                     | 6-26      |
| Pilot lamps .....                   | 3-7, 3-30 |
| Precaution for transportation ..... | 5-1       |

## Q

Quick clamp ..... 8-6

## R

Radiator flushing ..... 6-20

Radio & USB player ..... 3-49

RCV lever lubricate ..... 6-36

Recommended oils ..... 2-19, 6-10

Relieving pressure ..... 6-3

Return filter ..... 6-32

RCV lever operating pattern ..... 4-34

RS 232 service socket ..... 3-60

## S

Safety hints ..... 1-1

Safety labels ..... 0-5

Safety parts ..... 6-5

Seat ..... 3-57, 58

Seat belt ..... 3-57

Service meter ..... 3-60

Socket 12V ..... 3-48

Specification for major component ..... 2-16

Specification ..... 2-2

Start switch ..... 3-34

Storage ..... 4-32

Suction strainer ..... 6-32

Swing bearing grease ..... 6-34

Swing gear & pinion grease ..... 6-35

Swing reduction gear oil ..... 6-34

Switch panel ..... 3-34

Switches ..... 3-34

## T

Torques-major component ..... 6-8

Torques-fastener ..... 6-6

Towing machine ..... 4-23

Track adjustment ..... 6-36

Track shoe selection ..... 2-17

Transportation ..... 5-1

Travel reduction gear oil ..... 6-35

Traveling machine ..... 4-21

Troubleshooting guide ..... 7-1

## U

Undercarriage ..... 2-14

## W

Warming up operation ..... 4-5, 4-9

Warning lamps ..... 3-4, 3-25

Weight ..... 2-7

Windshield ..... 3-61

Working device operation ..... 4-20

Working method ..... 4-24

Working range ..... 2-5