

## A

|                                |      |
|--------------------------------|------|
| Accel dial switch .....        | 3-9  |
| After engine start .....       | 4-4  |
| Air breather element .....     | 6-33 |
| Air cleaner filter .....       | 6-25 |
| Air conditioner & heater ..... | 3-14 |
| Air conditioner filter .....   | 6-44 |
| Alternate exit .....           | 0-12 |
| Attachment lowering .....      | 4-22 |

## B

|                                   |      |
|-----------------------------------|------|
| Battery .....                     | 6-41 |
| Before starting engine .....      | 4-2  |
| Boom lowering .....               | 4-22 |
| Bucket clearance adjustment ..... | 6-39 |
| Bucket replacement .....          | 6-37 |
| Bucket selection guide .....      | 2-8  |
| Bucket tooth replacement .....    | 6-38 |

## C

|                                        |      |
|----------------------------------------|------|
| Cab air filter .....                   | 6-44 |
| Cab device .....                       | 3-1  |
| Changing machine control pattern ..... | 4-25 |
| Charge air cooler .....                | 6-23 |
| Cigar lighter .....                    | 3-17 |
| Coolant .....                          | 6-20 |
| Cooling fan .....                      | 6-24 |
| CPU controller .....                   | 3-18 |

## D

|                    |      |
|--------------------|------|
| Drain filter ..... | 6-33 |
|--------------------|------|

## E

|                                  |      |
|----------------------------------|------|
| Engine oil filter .....          | 6-18 |
| Engine oil level .....           | 6-18 |
| Engine starting & stop .....     | 4-3  |
| Engine starting by booster ..... | 6-42 |
| Engine stop .....                | 4-6  |

## F

|                    |      |
|--------------------|------|
| Fan belt .....     | 6-24 |
| Fuel filter .....  | 6-27 |
| Fuel leakage ..... | 6-30 |

|                            |      |
|----------------------------|------|
| Fuel system bleeding ..... | 6-27 |
| Fuel tank .....            | 6-25 |
| Fuse box .....             | 3-18 |

## H

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

## L

|                               |      |
|-------------------------------|------|
| Levers & pedals .....         | 3-12 |
| Lifting capacities .....      | 2-5  |
| Lubricant specification ..... | 2-16 |

## M

|                                |      |
|--------------------------------|------|
| Maintenance check list .....   | 6-11 |
| Major component .....          | 2-1  |
| Mode selection system .....    | 4-7  |
| Monitor display .....          | 4-10 |
| Monitor panel .....            | 3-2  |
| Mounting and dismounting ..... | 1-12 |

## N

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

## O

|                         |      |
|-------------------------|------|
| Oil cooler .....        | 6-23 |
| Operating pattern ..... | 4-25 |

## P

|                                    |      |
|------------------------------------|------|
| Pedals .....                       | 3-12 |
| Periodical replacement parts ..... | 3-12 |
| Pilot line filter .....            | 6-33 |
| Pin & bushing adjustment .....     | 6-40 |
| Prefilter .....                    | 6-26 |

## R

|                           |            |
|---------------------------|------------|
| Radiator flushing .....   | 6-20       |
| RCV lever lubricate ..... | 6-36       |
| Recommended oils .....    | 2-26, 6-10 |
| Relieving pressure .....  | 6-3        |
| Resistor .....            | 3-19       |
| Return filter .....       | 6-32       |

## S

|                                      |      |
|--------------------------------------|------|
| Safety hints .....                   | 1-1  |
| Safety labels .....                  | 0-5  |
| Safety parts .....                   | 6-5  |
| Seat .....                           | 3-17 |
| Service meter .....                  | 3-19 |
| Speciation for major component ..... | 2-12 |
| Specification .....                  | 2-2  |
| Start switch .....                   | 3-9  |
| Storage .....                        | 4-23 |
| Suction strainer .....               | 6-32 |
| Swing bearing grease .....           | 6-34 |
| Swing gear & pinion grease .....     | 6-35 |
| Swing reduction gear oil .....       | 6-34 |
| Switch panel .....                   | 3-7  |
| Switches .....                       | 3-9  |

## T

|                                 |      |
|---------------------------------|------|
| Torques-major component .....   | 6-8  |
| Torques-fastener .....          | 6-6  |
| Towing machine .....            | 4-14 |
| Track adjustment .....          | 6-36 |
| Track shoe selection .....      | 2-21 |
| Transportation .....            | 5-1  |
| Travel reduction gear oil ..... | 6-35 |
| Travelling machine .....        | 4-12 |
| Troubleshooting guide .....     | 7-1  |

## U

|                     |      |
|---------------------|------|
| Undercarriage ..... | 2-10 |
|---------------------|------|

## W

|                                |      |
|--------------------------------|------|
| Warming up operation .....     | 4-5  |
| Warning lamps .....            | 3-3  |
| Weight .....                   | 2-4  |
| Working device operation ..... | 4-11 |
| Working method .....           | 4-15 |
| Working range .....            | 2-3  |