

**Hitachi Ex8000 Excavator Workshop Service Repair Manual** Hitachi's ETS (Electronic Total control System) can achieve maximum job efficiency by reducing fuel consumption and noise levels, while maximizing productivity through the optimization of engine-pump functions with excellent controllability increasing operator comfort.



- E-P Control (Computer-aided Engine-Pump Control system) Main pumps regulated by electric engine-speed sensing control system.
- I-OHS (Integrated Optimum Hydraulic System) LD:16 main pumps and 6 control valves and 2 set of flow-assisting valves enable both independent and combined operations of all functions. BH:16 main pumps and 8 control valves.
- FPS (Fuel-saving Pump System) FPS minimizes energy loss with superior performance in fine control.
- Auto-Idling system for saving fuel and reducing noise.
- Hydraulic drive cooling-fan system for oil cooler.
- Hydraulic drive cooling-fan system for radiator.
- Forced-lubrication and forced-cooling pump drive system.

## Hitachi Ex8000 Excavator Workshop Service Repair Manual

High-strength piston rods and tubes adopted. Cylinder cushion mechanisms are provided for boom, arm, bucket and dump cylinders. Stroke-end control system is provided for arm, bucket cylinders. Bucket cylinders are provided with protector.

**Controls:** Left Console Left Control Lever/Horn Switch Left Travel Pedal Left Travel Lever Right Travel Lever Right Travel Pedal Right Control Lever/Horn Switch Right Console Operator's Seat Bucket Close Pedal (For Loading Shovel) Bucket Open Pedal (For Loading Shovel) Pilot Control Shut-Off Lever Rear Console Emergency Engine Stop Switch Engine Speed Control Dial Key Switch Monitor Display

## Hitachi Ex8000 Excavator Workshop Service Repair Manual