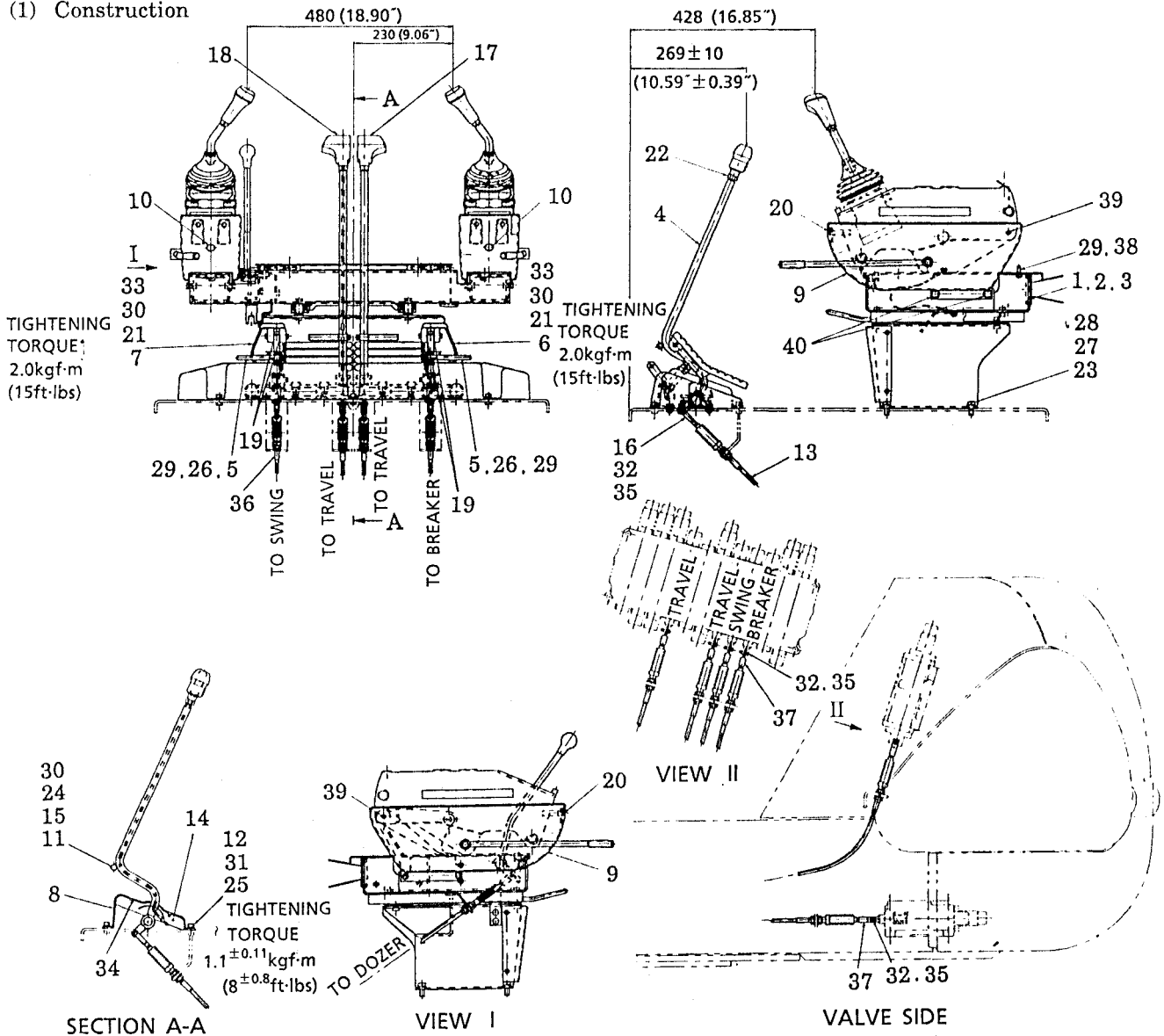


SK045-2

6.1 CABLE CONTROL (TRAVEL, DOZER, SWING, SERVICE)

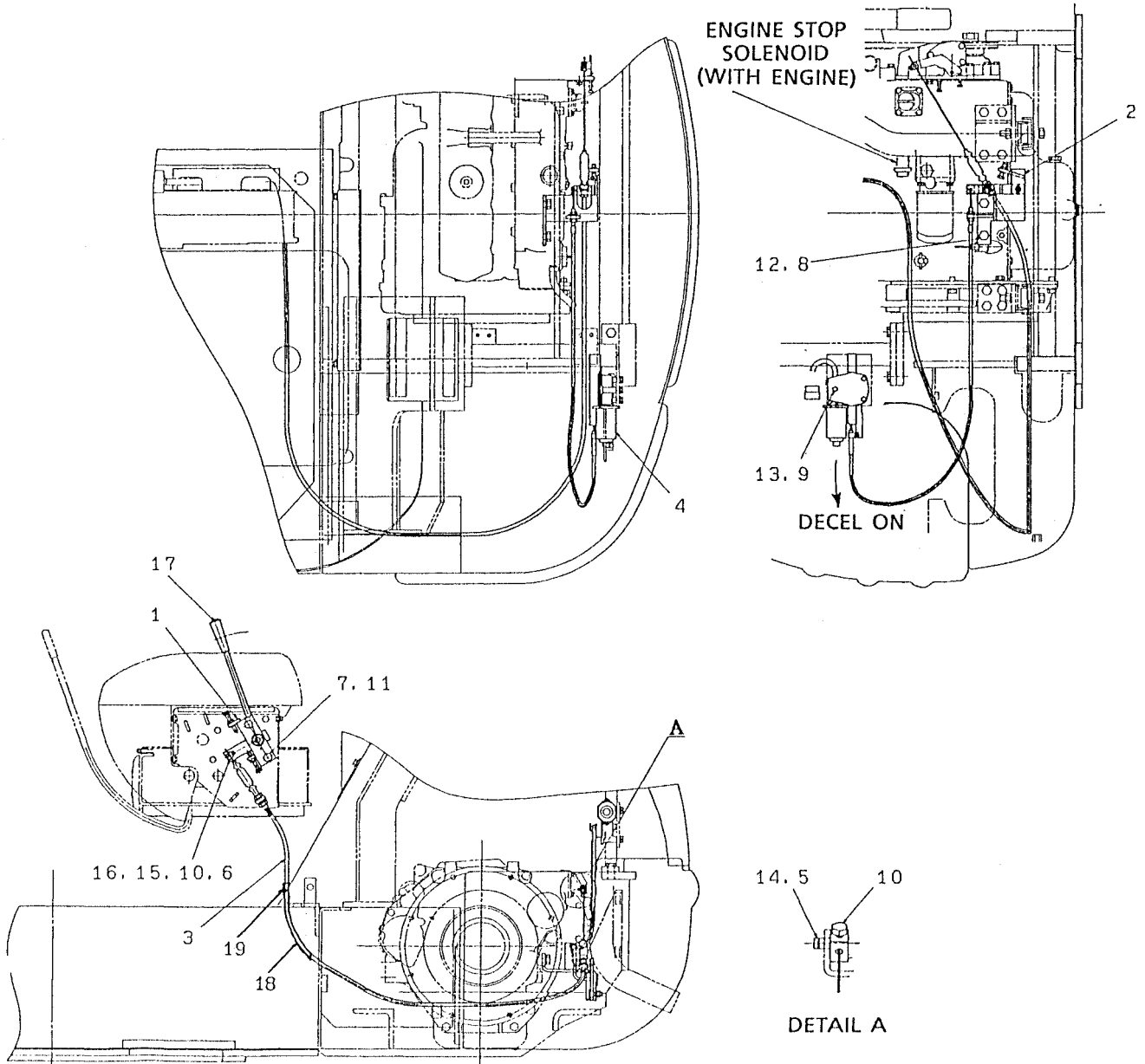
(1) Construction



NO.	NAME	Q'ty	NO.	NAME	Q'ty	NO.	NAME	Q'ty
1	CONTROL BOX	1	16	ROD END	4	29	LOCK WASHER ; M8	6
4	TRAVEL LEVER	1	17	GRIP	1	30	LOCK WASHER ; M6	4
5	PIN	2	18	GRIP	1	31	WASHER	6
6	PEDAL	1	19	WASHER	6	32	PIN	9
7	PEDAL	1	20	SEMS BOLT ; M6×16	6	33	NUT ; M6	2
8	COVER	1	21	CAPSCREW ; M6×55	2	34	COVER	1
9	COVER	2	22	NUT	2	35	PIN, SNAP	9
10	CAP	2	23	CAPSCREW ; M10×25	4	36	CABLE CONTROL	1
11	WASHER ; M6	2	24	CAPSCREW ; M6×14	2	37	ROD END	5
12	LOCK WASHER	6	25	CAPSCREW ; M8×20	6	38	CAPSCREW ; M8×20	4
13	CABLE CONTROL	3	26	NUT ; M8	2	39	SEMS BOLT ; M6×16	2
14	INSULATION	1	27	WASHER ; M10	4	40	CAP	2
15	SHAFT	2	28	LOCK WASHER ; M10	4			

6.2 ENGINE CONTROL

(1) Construction



NO.	NAME	Q'ty	NO.	NAME	Q'ty
1	LEVER ASSY THROTTLE	1	11	LOCK WASHER	2
2	LINK ASSY	1	12	LOCK WASHER	2
3	CABLE CONTROL	1	13	LOCK WASHER	3
4	MOTOR GOVERNOR	1	14	RING RETAINING	1
5	PIN	1	15	PIN SNAP	1
6	PIN	1	16	WASHER	1
7	CAPSCREW	2	17	GRIP	1
8	CAPSCREW	2	18	TUBE	1
9	CAPSCREW	3	19	GRIP	1
10	CAPSCREW	2			

(2) Operation

1) Throttle lever

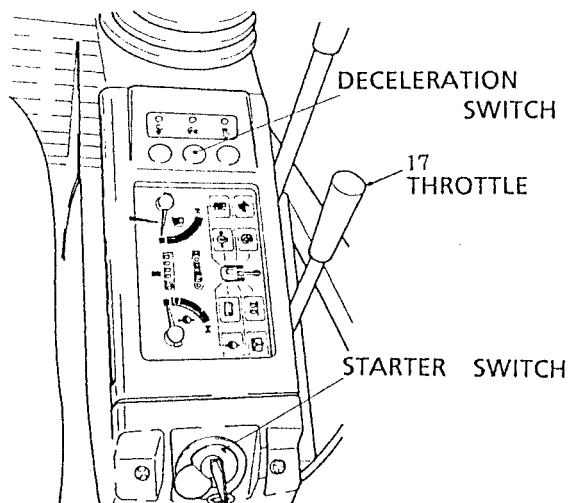
When you operate the throttle grip (17) on the instrument panel, the inner cable of the control cable (3) directly actuates the lever of the fuel injection pump.

2) Engine stop

If you turn OFF the starter key, the timer-attached engine stop relay will connect, the engine stop solenoid (attached to the engine) actuate, and the machine stop.

3) Decelerator (shifts the engine into a lower speed)

If you turn ON the deceleration switch on the instrument panel, the governor motor will actuate, the cable extend, the link of the link assembly (2) move to the right, and the control cable (3) high speed be controlled. If you push the deceleration switch again, deceleration will stop. The deceleration switch is connected to a holding circuit; once the starter key is turned OFF, the deceleration switch turns OFF.

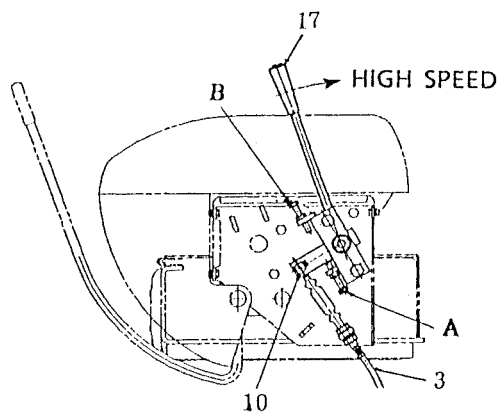


Instrument panel

(3) Adjustment

1) Throttle lever

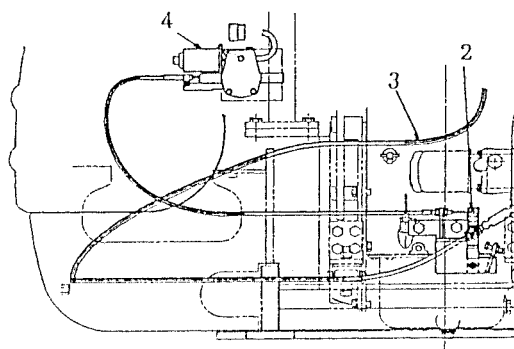
Turn the throttle lever to the idling position; then attach the set screw (10). Using the set screw (10), attach the inner cable of the governor lever control cable. Using the set screws (A) and (B), set the low and high engine speed positions; then attach the nuts.



Throttle lever adjusting

2) Deceleration

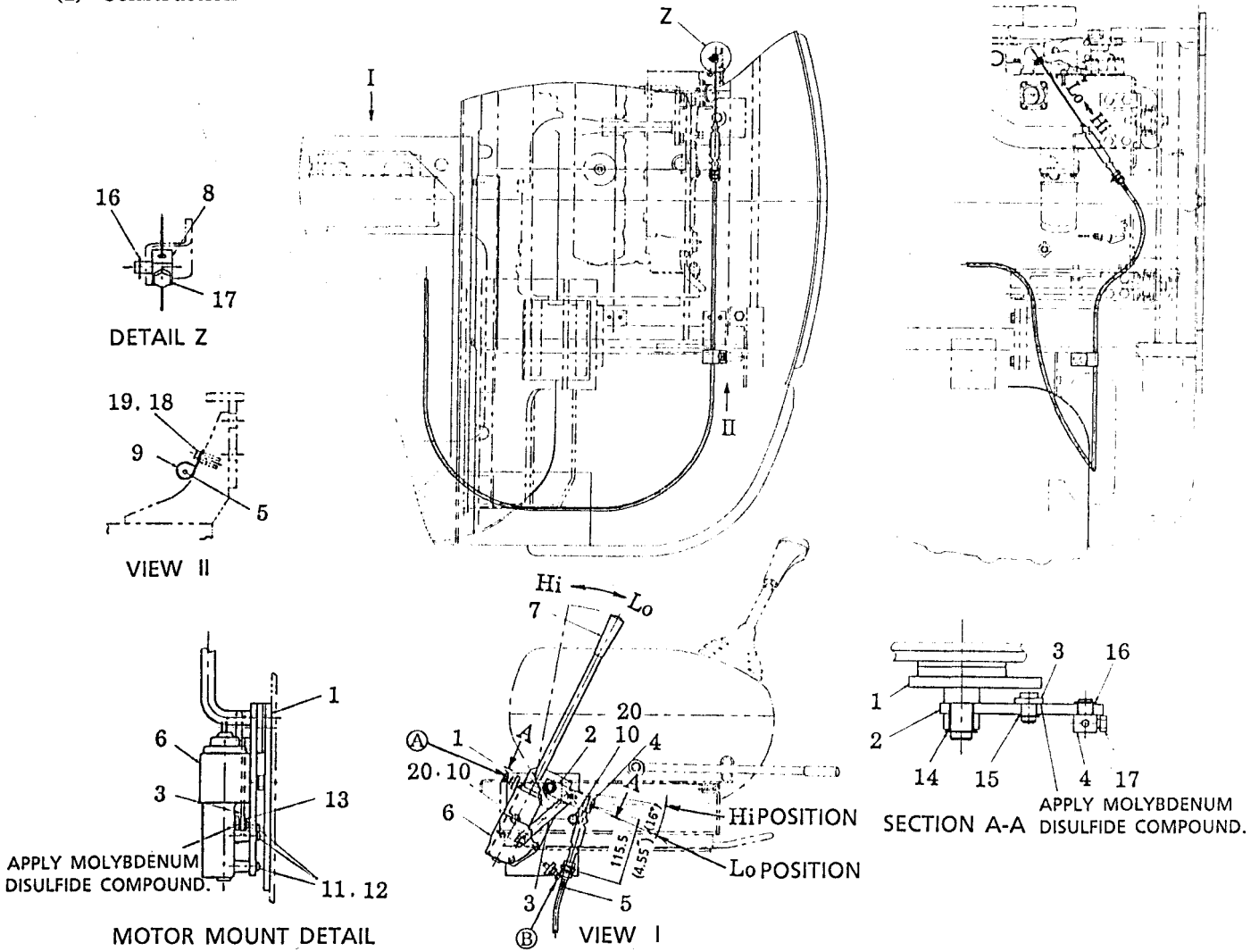
Turn the deceleration switch ON. Set the cable, with the position of the link assembly (2) being where the engine speed is at low idle.



Deceleration cable adjusting

6.2 ENGINE CONTROL PY03501~ SK045-2

(1) Construction



NO.	NAME	Q'ty	NO.	NAME	Q'ty
1	THROTTLE LEVER ASSY	1	11	MACHINE SCREW ; M5×16	3
2	LEVER	1	12	LOCK WASHER	3
3	ROD	1	13	RETAINING RING ; Ø7	1
4	PIN	1	14	RETAINING RING ; Ø9	1
5	CONTROL CABLE	1	15	RETAINING RING ; Ø6	2
6	DECEL MOTOR	1	16	RETAINING RING ; Ø5	1
7	GRIP	1	17	CAPSCREW	2
8	PIN	1	18	CAPSCREW ; M10×25	1
9	CLIP	1	19	LOCK WASHER ; M10	1
10	CAPSCREW ; M8×20	2	20	WASHER ; M8	2

(2) Operation

1) Acceleration action and low speed action of throttle lever

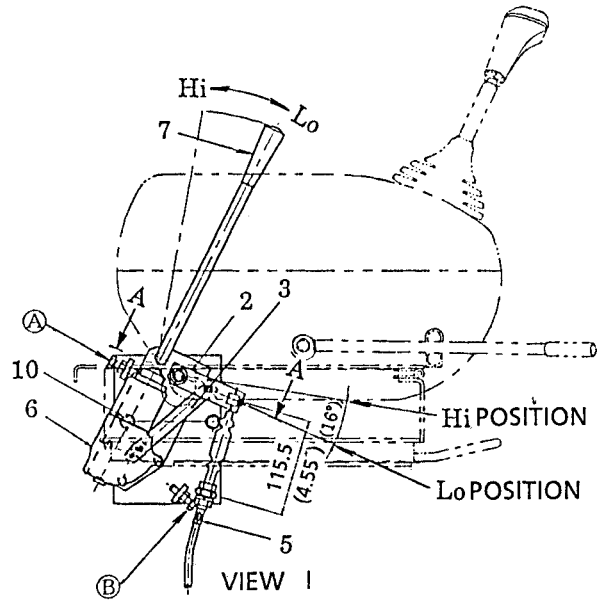
When you operate the throttle grip (7) on the instrument panel RH, the inner cable of the control cable (5) directly actuates the lever of the fuel injection pump.

2) Engine stop

If you turn OFF the starter key, the timer-attached engine stop relay will connect, the engine stop solenoid (attached to injection pump) actuate, and the machine stop.

3) Action of Deceleration Switch (that brings the engine revolution to low speed.)

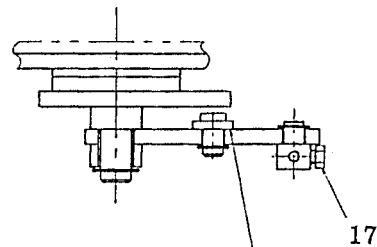
If the deceleration switch on the instrument panel is turned "ON", the decel motor(6) operates which in turn brings rod(3) to the Lo position of pull-in lever(2). This restricts the motion of control cable(5) toward the high speed side to perform the decel action. If the deceleration switch is pressed once again, the deceleration switch is turned off. The deceleration switch is turned off if the starter key is turned off in the hold circuit.



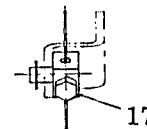
(3) Adjustment

1) Throttle lever

Turn the throttle lever to the idling position; then attach the set screw (10). Using the set screw (17), attach the inner cable of the governor lever control cable. Using the set screws (A) and (B), set the low and high engine speed positions; then attach the nuts.



SECTION A-A APPLY MOLYBDENUM DISULFIDE COMPOUND.



DETAIL Z

6.3 RELIEF-VALVE-INTEGRATED TRIPLE SOLENOID VALVE

The relief-valve-integrated triple solenoid valve can switch among lever lock, 1st / 2nd travel speeds, and low slewing speed.

1) Lever lock solenoid valve

When you turn the red lock lever (located in front of the right and left control boxes) forward, the limit switch and lever lock solenoid valve actuate. Pilot primary pressure then flows into solenoid valve port A1, becoming the attachment operation pilot pressure source.

2) 1st/2nd speed travel solenoid valve

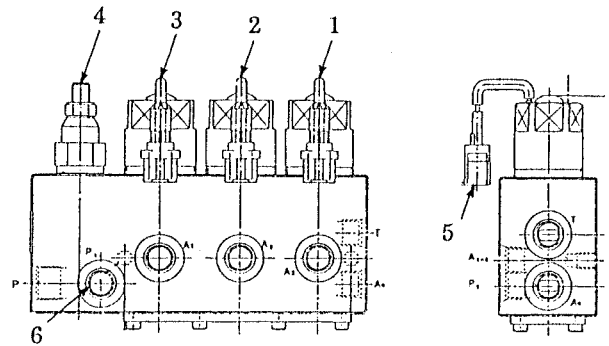
When you push the 1st / 2nd speed switch located on the grip of the work lever, the 1st / 2nd speed travel solenoid valve actuates. Pilot pressure is then sent from solenoid valve port A2 to the travel motor, switching the travel speed.

3) Low-speed slew solenoid valve

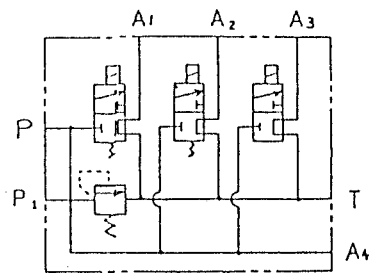
When you push the low-speed slew switch on the instrument panel, the low-speed slew oil valve actuates. Pilot pressure is then sent from solenoid valve port A3 to the slew and dozer control valves, switching the slew speed.

4) Relief valve

Maintain the pilot primary pressure (from the pilot pump) at the designated pressure.  
Set pressure : 35 kgf·cm<sup>2</sup> (498 psi)



NO.	NAME	Q'ty
1	LEVER LOCK SOLENOID VALVE	1
2	1ST/2ND SPEED TRAVEL SOLENOID VALVE	1
3	LOW-SPEED SLEW SOLENOID VALVE	1
4	RELIEF VALVE	1
5	CONNECTOR	3
6	PRESSURE MEASURING PORT	1



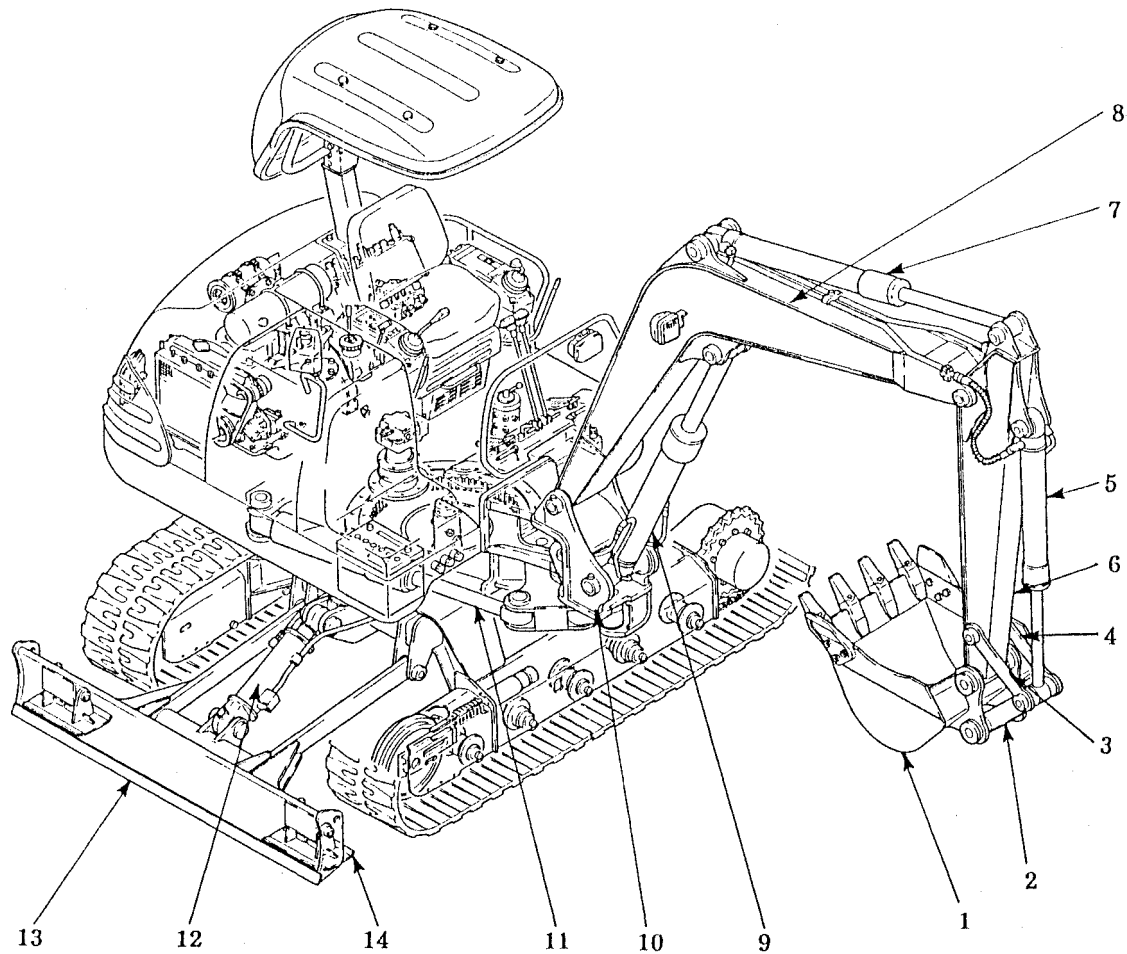
Hydraulic symbol



7. ATTACHMENT

7.1 CONSTRUCTION

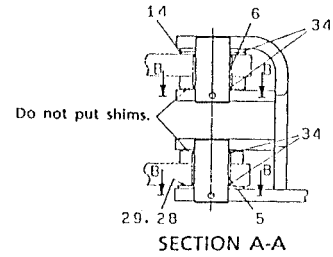
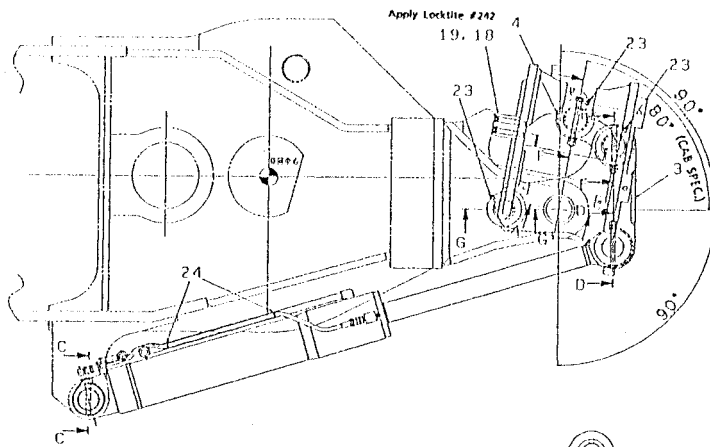
(1) General



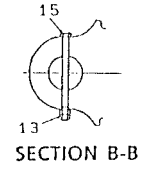
NO.	NAME	Q'ty	NO.	NAME	Q'ty	NO.	NAME	Q'ty
1	BUCKET	1	6	ARM	1	11	SWING CYLINDER	1
2	LINK BUCKET	2	7	ARM CYLINDER	1	12	DOZER CYLINDER	1
3	LINK IDLER (R)	1	8	BOOM	1	13	DOZER	1
4	LINK IDLER (L)	1	9	BOOM CYLINDER	1	14	ROAD PROTECTOR	2
5	BUCKET CYLINDER	1	10	SWING BRACKET	1			



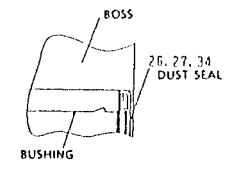
(2) Swing system



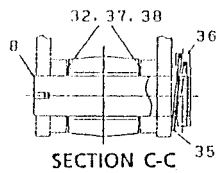
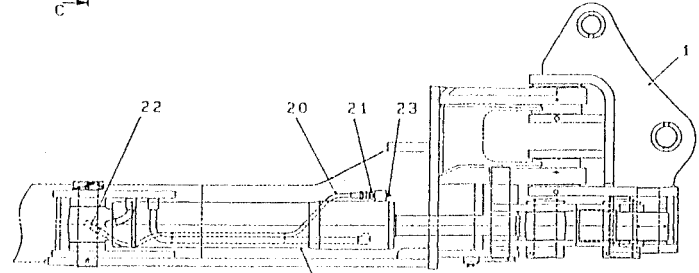
SECTION A-A



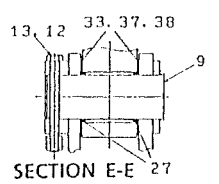
SECTION B-B



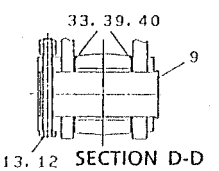
Method of fixing the dust seal.



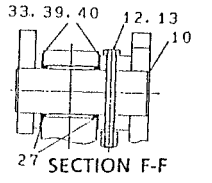
SECTION C-C



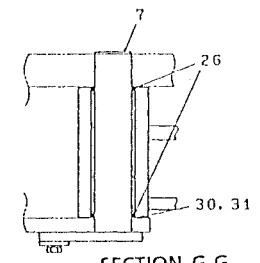
SECTION E-E



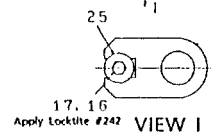
SECTION D-D



SECTION F-F



SECTION G-G



VIEW I

NO.	NAME	Q'TY		NO.	NAME	Q'TY		NO.	NAME	Q'TY	
		A	B			A	B			A	B
1	BRACKET	1	1	15	CAPSCREW	2	2	28	SHIM	1	1
2	CYLINDER SWING	1	1	16	CAPSCREW	1	1	29	SHIM	1	1
3	LINK	1	1	17	LOCK WASHER	1	1	30	SHIM	1	1
4	LINK	1	1	18	PLATE	-	1	31	SHIM	1	1
5	PIN	1	1	19	CAPSCREW	-	2	32	SHIM	2	2
6	PIN	1	1	20	HOSE	1	1	33	SHIM	6	6
7	PIN	1	1	21	CONNECTOR	1	1	34	SEAL DUST	4	4
8	PIN	1	1	22	ELBOW	1	1	35	RING	1	1
9	PIN	2	2	23	NIPPLE GREASE	4	4	36	PIN	1	1
10	PIN	1	1	24	CLIP	2	2	37	SHIM	2	2
12	CAPSCREW	3	3	25	SPACER	1	1	38	SHIM	2	2
13	NUT	10	10	26	SEAL DUST	2	2	39	SHIM	6	6
14	WASHER	1	1	27	SEAL DUST	4	4	40	SHIM	6	6

Ⓜ A ; Canopy spec. B ; Cab spec.