

## 33.1 REMOVING AND INSTALLING

### 33.1.1 COMPONENTS OF TRAVEL SYSTEM

<Part I : Removing and Installing>

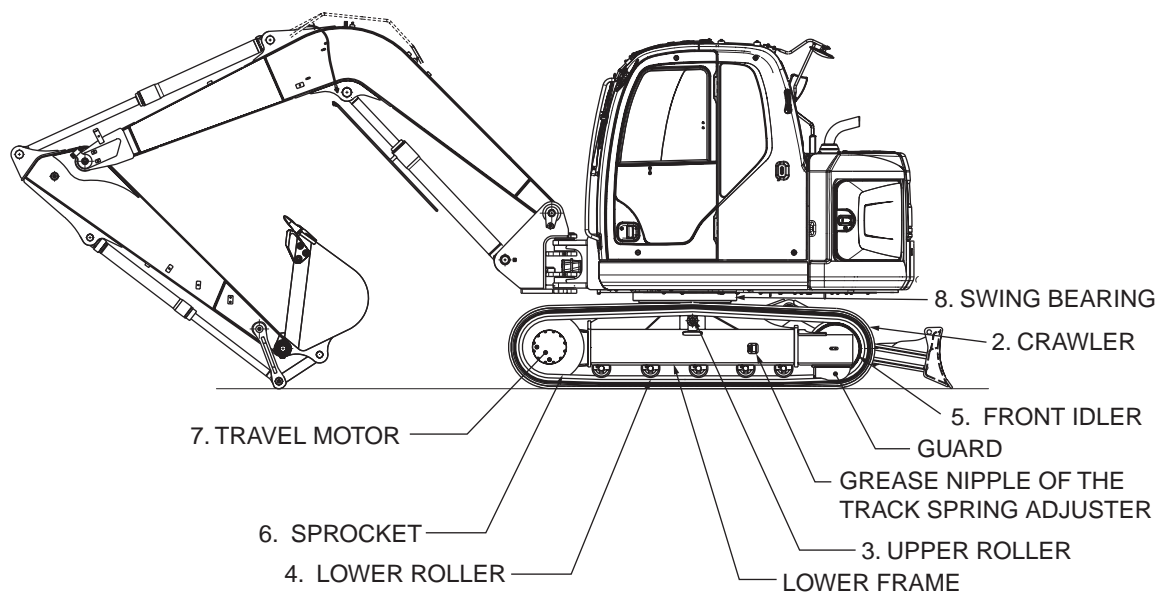


Fig. 33-1 Designation and location of undercarriage

### 33.1.2 CRAWLER

#### 33.1.2.1 REMOVING CRAWLER

- (1) Position the machine to remove crawler.
- (2) Pushing out master pin.
  - 1) Set master pin to positions shown in the figure.
  - 2) Slacken crawler



#### Note

- When loosening the grease nipple of the adjuster, do not loosen it more than one turn.
- Where grease does not come out well, move the machine back and forth. The over loosening of grease nipple may cause it to jump out incurring danger of injury. So be careful not to over loosen the grease nipple.

- 3) Pushing out master pin

Apply jig on master pin and strike it out with a mallet.

#### Note

- If you use a big hammer, wear a long-sleeved garment and protective goggles to protect yourself from flying objects.

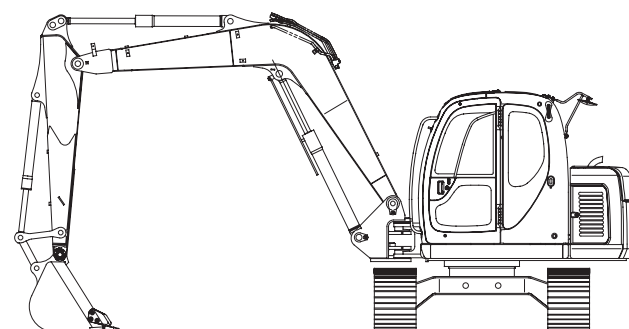


Fig. 33-2 Crawler removing position

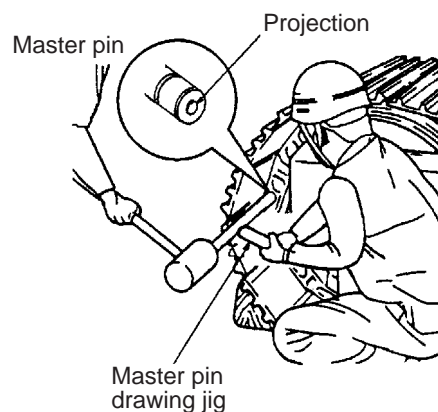


Fig. 33-3 Pushing out master pin

### 33. TRAVEL SYSTEM

#### (3) Removing crawler

Put attachment on ground so that weight is not loaded to the lower frame, and remove track link assy rotating sprocket.

#### Note

Crawler end section may fall on the ground just before extending it on the ground incurring danger of injury. Please keep well away from the equipment.

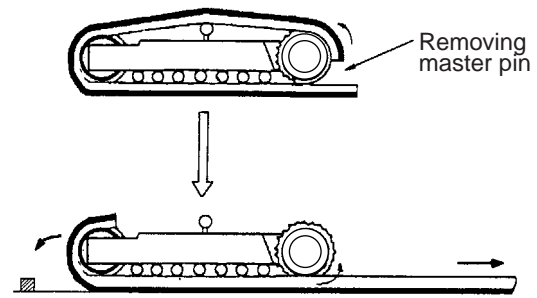


Fig. 33-4 Removing crawler

#### 33.1.2.2 INSTALLING

Installing is done in the reverse order of removing.

#### (1) Checking crawler installation direction.

Place the track links on the ground so they converge, facing the front idler, as shown in the figure on the right.

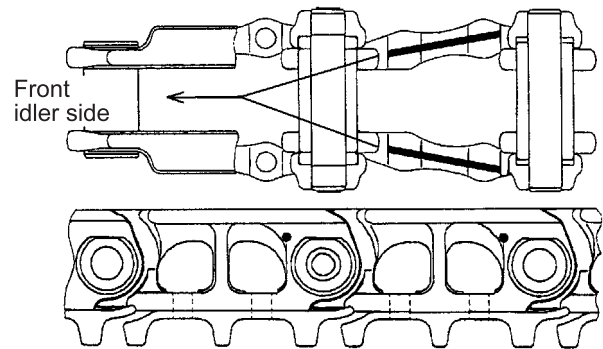


Fig. 33-5 Installing direction of crawler

#### (2) Installing crawler

##### 1) Preparation for installation

Treat paint flaking protection with care not to damage lower frame.

##### 2) Winding crawler

Insert bar into master pin hole, lift lower frame up 1 or 2 cm (0.4 in~0.8 in) using attachment and hold it, then turn sprocket in rearward positioning the machine so that the weight is not loaded to shoe.

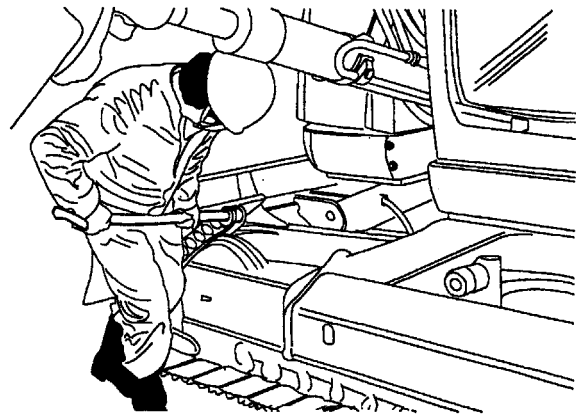


Fig. 33-6 Winding crawler

#### (3) Preparation for press fitting master pin

##### 1) Preparing for installation

Put wood block under the shoe plate.

##### 2) Aligning master pin holes

Aligning master pin holes through fine adjustment turning sprocket.

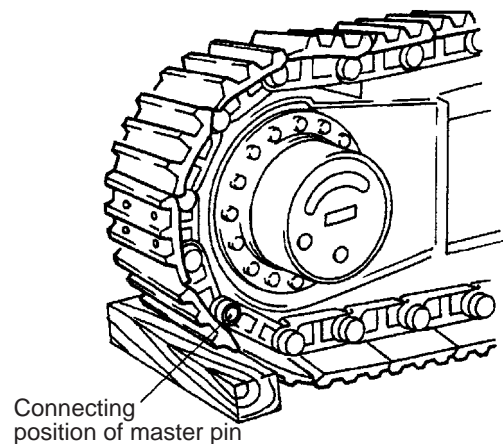
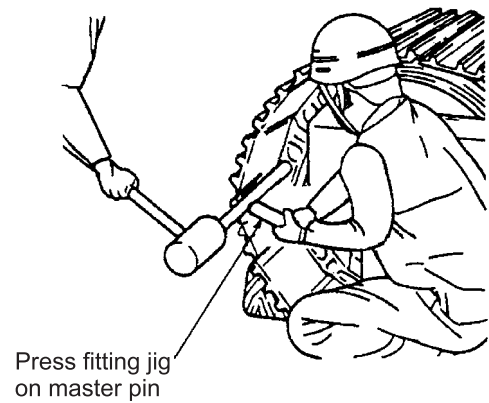


Fig. 33-7 Preparation for press fitting master pin

- (4) Press fitting of master pin  
Apply press fitting jig on master pin, and strike it with a mallet to press fit.

**Note**

- If you use a big hammer, wear a long-sleeved garment and protective goggles to protect yourself from flying objects.
- Coat the master pin with molybdenum disulfide grease, before pressing it in.

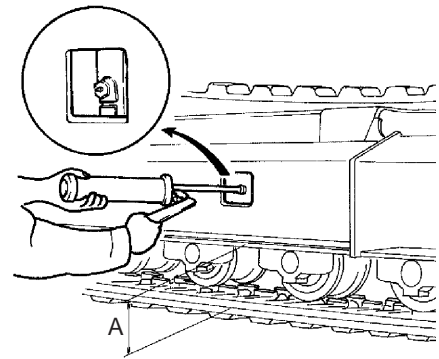


**Fig. 33-8 Press fitting of master pin**

- (5) Adjusting crawler tension (See Fig. 33-9)  
After installing, adjust tension of crawler.

 : 19 mm

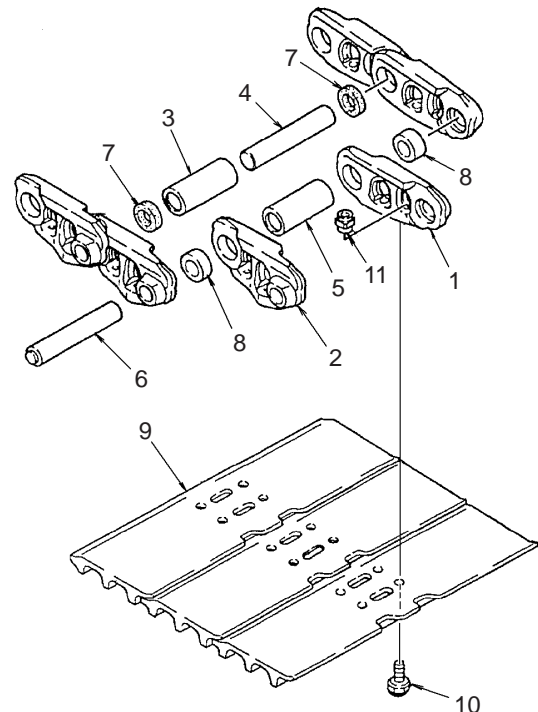
	MODEL	A DIMENSION
Proper tensioning of the iron crawler	E80BMSR	200~230 mm (8 in~9 in)
Proper tensioning of the rubber crawler	E80BMSR	140~150 mm (5 in~6 in)



**Fig. 33-9 Adjusting crawler tension**

**33.1.2.3 CONSTRUCTION**

PART No.	YT60D00012F1 [Width of shoe 450 mm(17.7 in)] YT60D00012F2 [Width of shoe 600 mm(23.6 in)]	
No.	Name	Q'ty
	SHOE ASSY	2
	• TRACK LINK ASSY	1 X 2
1	•• TRACK LINK (R.H)	39 X 2
2	•• TRACK LINK (L.H)	39 X 2
3	•• BUSHING	38 X 2
4	•• PIN	38 X 2
5	•• MASTER BUSHING	1 X 2
6	•• MASTER PIN	1 X 2
7	•• SEAL	76 X 2
8	•• MASTER COLLAR	2 X 2
9	• SHOE	39 X 2
10	• SHOE BOLT	156 X 2
11	• SHOE NUT	156 X 2



**Fig. 33-10 Shoe assy**