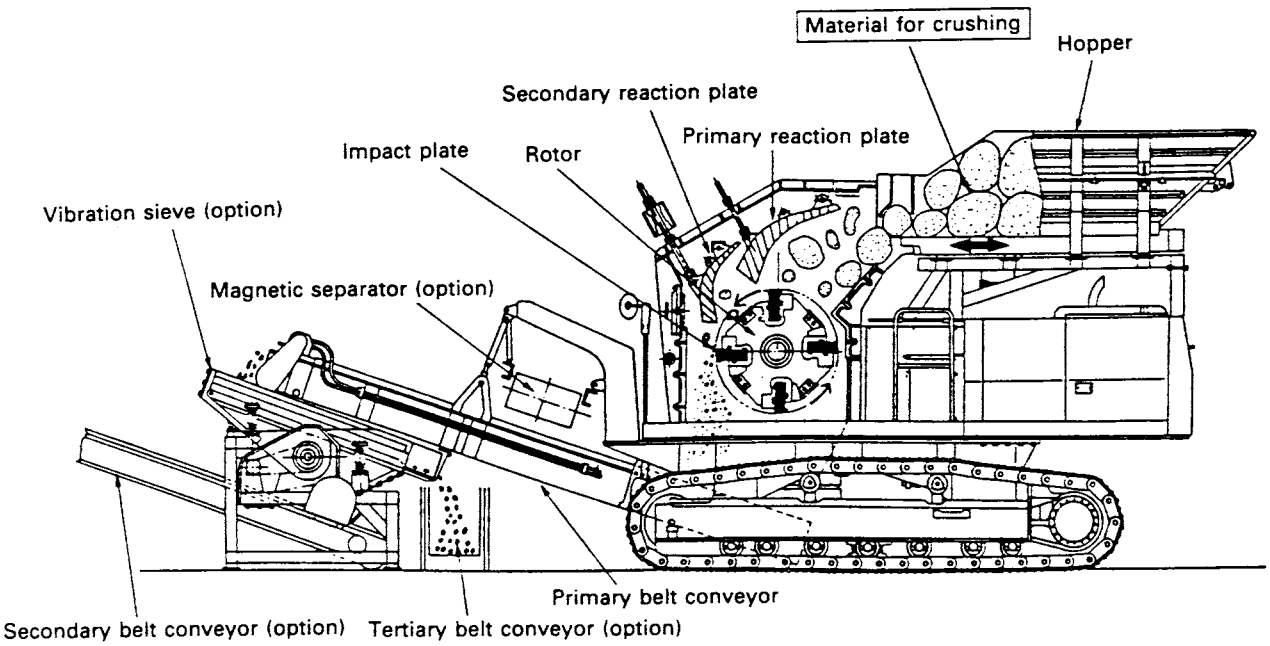
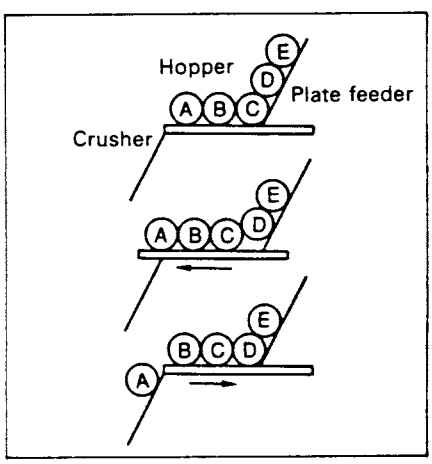
2. Flow of crushed particles



822101

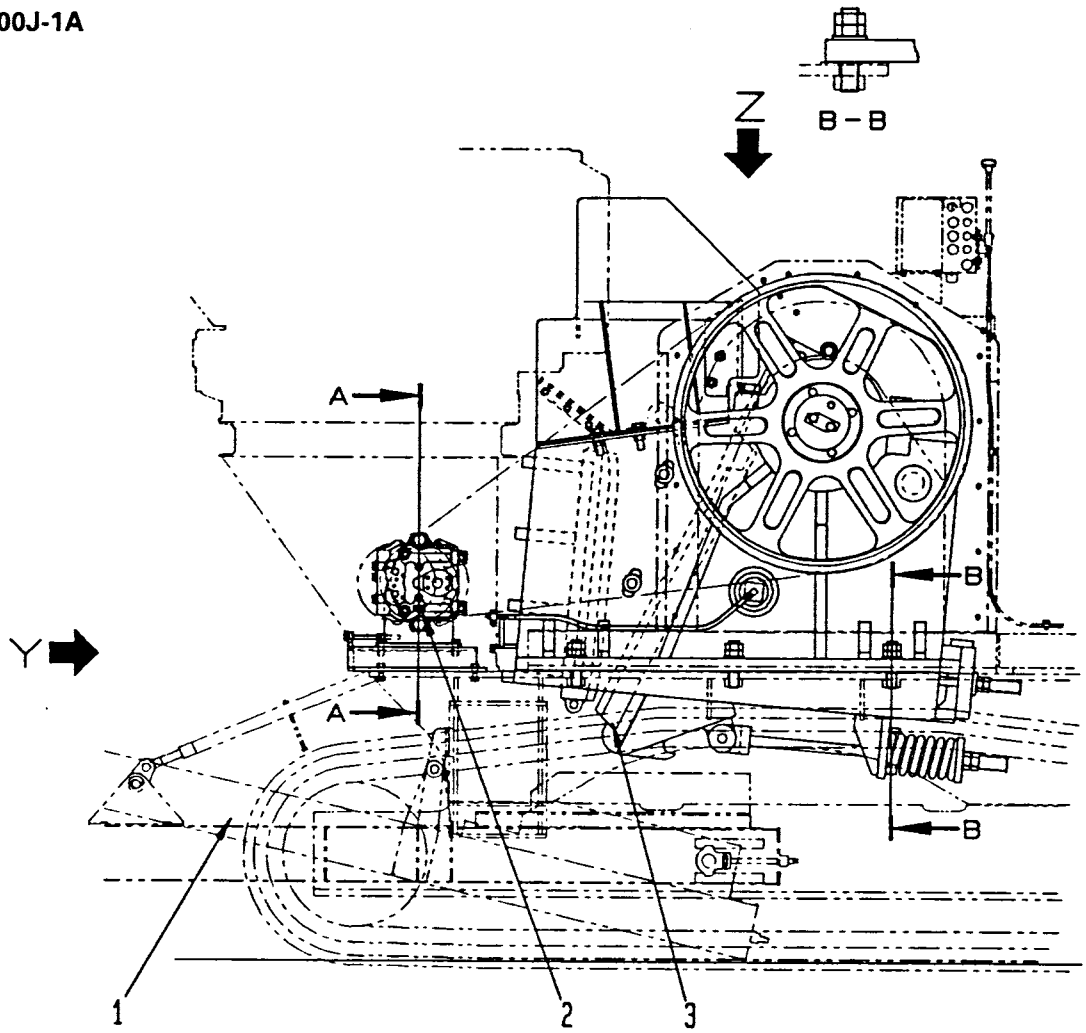
① The material filling the hopper is fed by the plate feeder to the impact crusher.
② The impact crusher consists of the reaction plate and the rotor fitted with impact plates. Impact and acceleration is applied to the materials by the rotation of the rotor, and the material then is impacted against the reaction plate and crushed. (The principle is the same as when crushing objects with a hammer or when throwing objects at a steel plate). In addition, natural pulverization (the rocks crush each other) also occurs at the same time.
③ The crushed particles are taken out by the primary belt conveyor.

Principle of feeding in material from hopper by action of plate feeder



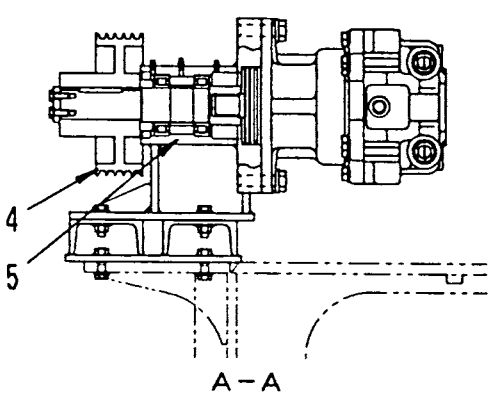
CRUSHER

BR200-1
BR200J-1
BR200J-1A



822101

1. Primary belt conveyor
2. Crusher motor
3. Crusher
4. V-sheave
5. Bearing unit
6. Hopper



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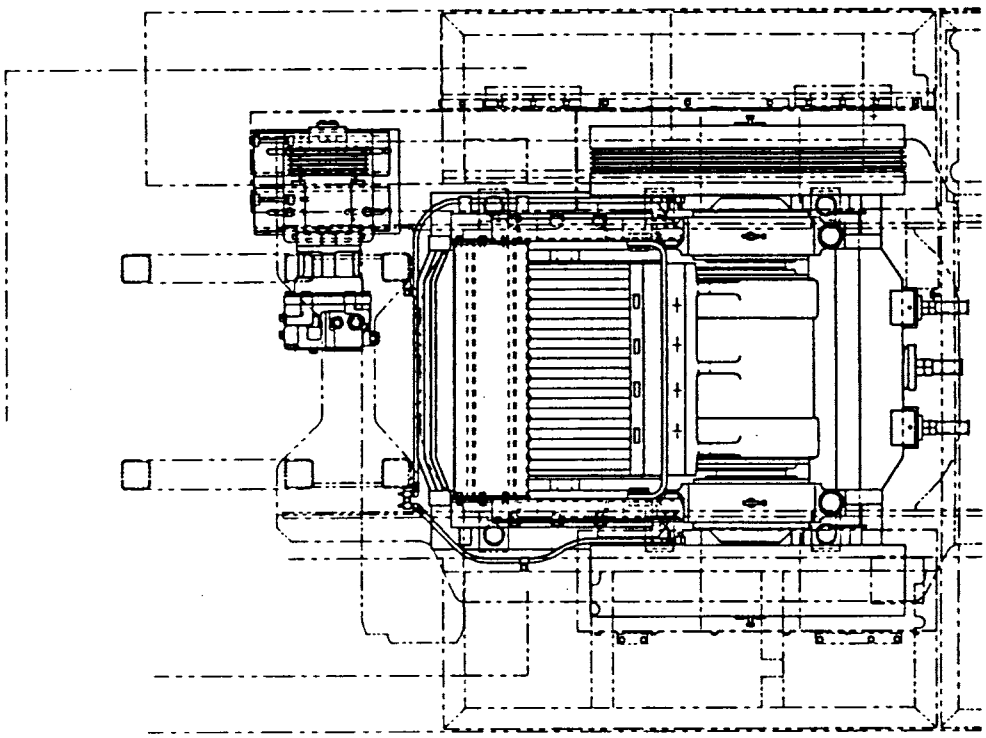
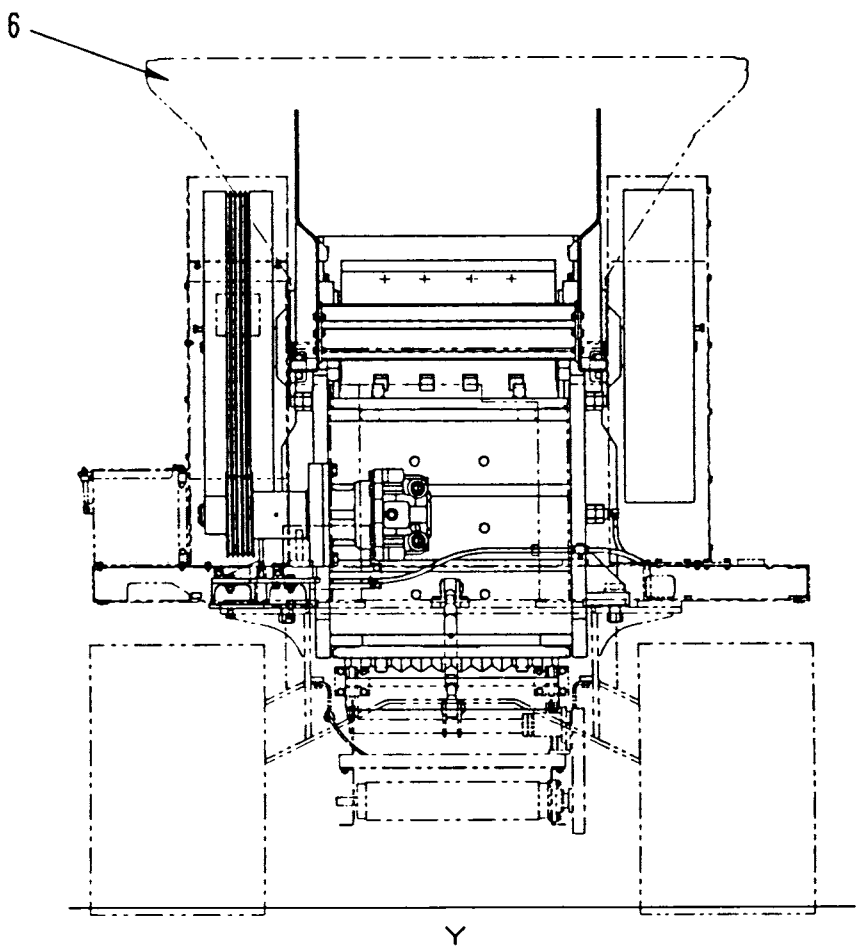
822101



Z

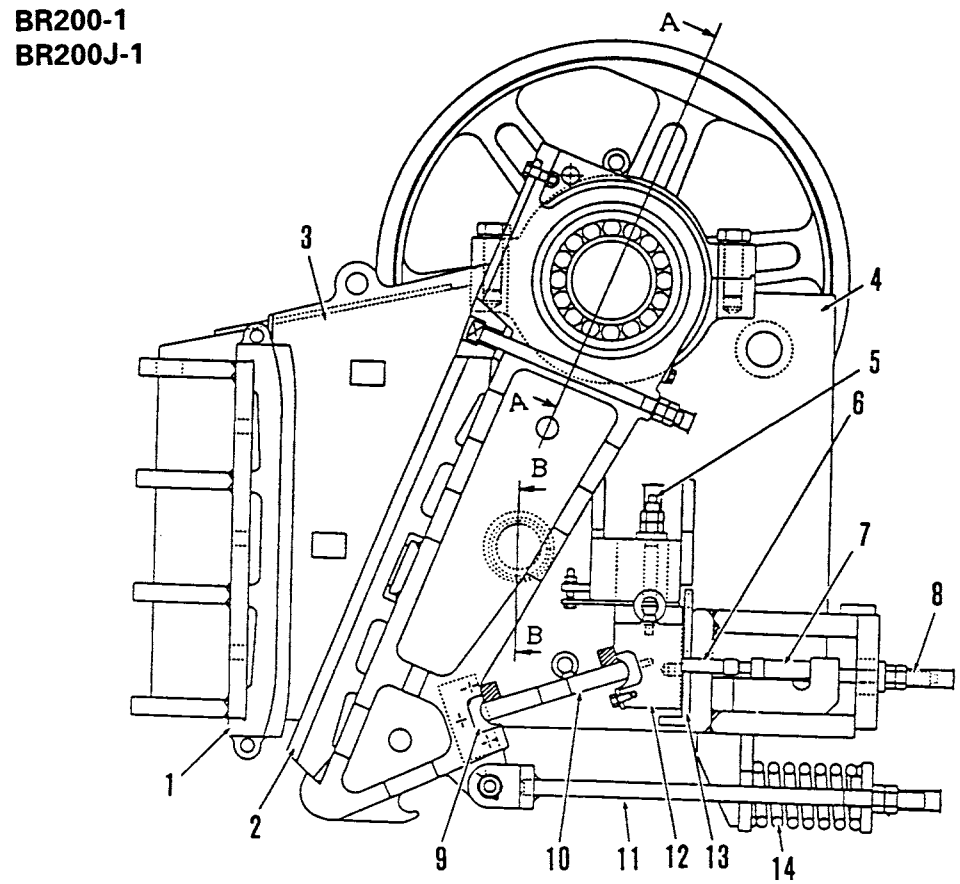


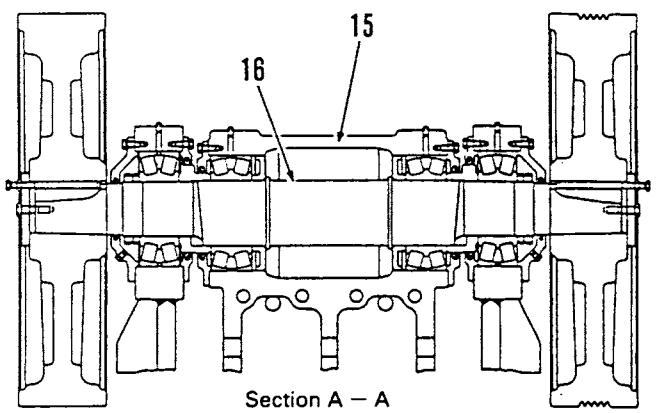
Y

SKZ00009

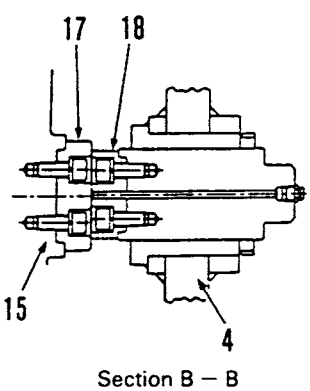
JAW CRUSHER

BR200-1
BR200J-1





Section A – A



Section B – B

1. Crusher driven gear
2. Crusher drive gear
3. Cheek plate
4. Frame
5. Toggle block lifting bolt
6. Adjusting rod
7. Hydraulic ram
8. Toggle block pulling bolt
9. Toggle seat
10. Toggle plate
11. Tension rod
12. Toggle block
13. Set adjustment plate
14. Spring
15. Swing jaw
16. Eccentric shaft
17. Thrust retainer (swing jaw end)
18. Thrust retainer (frame end)

822101

- The drive gear is installed to the driven gear, which are fixed to the frame, and the swing jaw, which is moved by the motive force. This drive gear has a certain angle, and forms opposing crushing chambers. The raw material is chewed in and crushed by compression. There is a double toggle type and a single toggle type.
- The BR200-1 employs a large single toggle type with powerful crushing force.
- The single toggle type consists of one toggle plate and an eccentric bar positioned over the swing jaw. This rotates and carries out the maximum circumferential movement over the swing jaw. The closer it comes to the bottom end, the longer the ellipse shape that it forms.