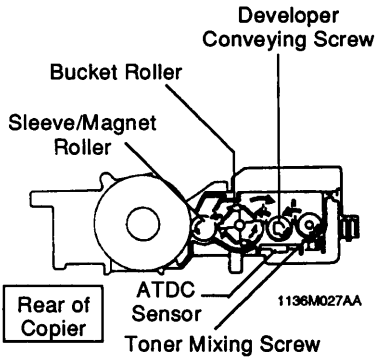
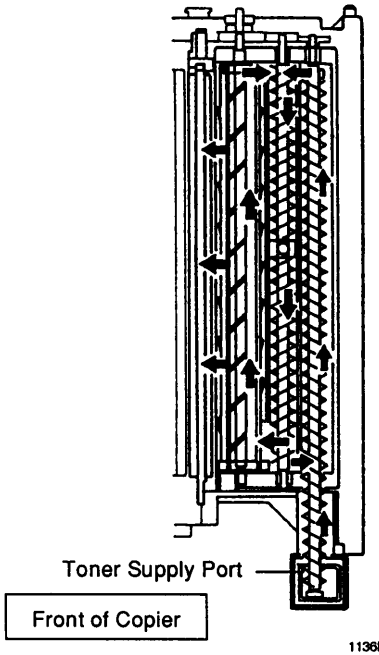
12-3. Developer Flow

- The developer and toner flow inside the Developing Unit as the Toner Mixing Screw, Developer Conveying Screw, Bucket Roller, and Sleeve/Magnet Roller are turned.





Toner is supplied through the Toner Supply Port from the Sub Hopper.

↓

The Toner Mixing Screw agitates the toner, while conveying it from the front to the rear end of the Unit.

↓

The Developer Conveying Screw mixes the toner with the developer, conveying them from the rear to the front end.

↓

The ATDC Sensor senses the toner-to-carrier ratio of the developer mixed and conveyed by the Developer Conveying Screw.

↓

The developer conveyed to the front end of the Unit is then conveyed onto the Bucket Roller.

↓

The Bucket Roller agitates and triboelectrically charges the developer, supplying it to the Sleeve/Magnet Roller.

↓

Part of the developer fed to the rear end of the Unit by the Bucket Roller is guided back onto the Developer Conveying Screw.