12-9. Main Hopper Toner Replenishing Mechanism/Control

- When Sub Hopper Toner Empty Switch S106 is actuated, it energizes Main Hopper Toner Replenishing Motor M8 to turn the Toner Bottle one turn, thereby supplying toner from the Main Hopper to Sub Hopper.

<Mechanism>

Main Hopper Toner Replenishing Motor M8 is energized.

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The Home Position Detecting Plate on the M8 shaft is turned and, at the same time, the Coupling is turned.

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Since the two pins on the Toner Bottle fit into the slots in the Coupling, the Coupling and Toner Bottle are turned together.

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When the indentation on the Toner Bottle moves past the protrusion on the Toner Bottle Holder, the Toner Bottle is vibrated to prevent some of the toner from remaining unconsumed in the Bottle.

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Since the Toner Supply Port in the Toner Bottle is aligned with the Toner Supply Hole in the Coupling, toner in the Toner Bottle drops down as the Supply Hole becomes located at the bottom.

