

2-1-6 Centerfold unit section (option)

The centerfold unit delivers the paper into the centerfold tray after folding the center of the paper by the centerfold blade. It also delivers the paper into the centerfold tray after the paper is center-folded as well as stapled by the centerfold staple unit.

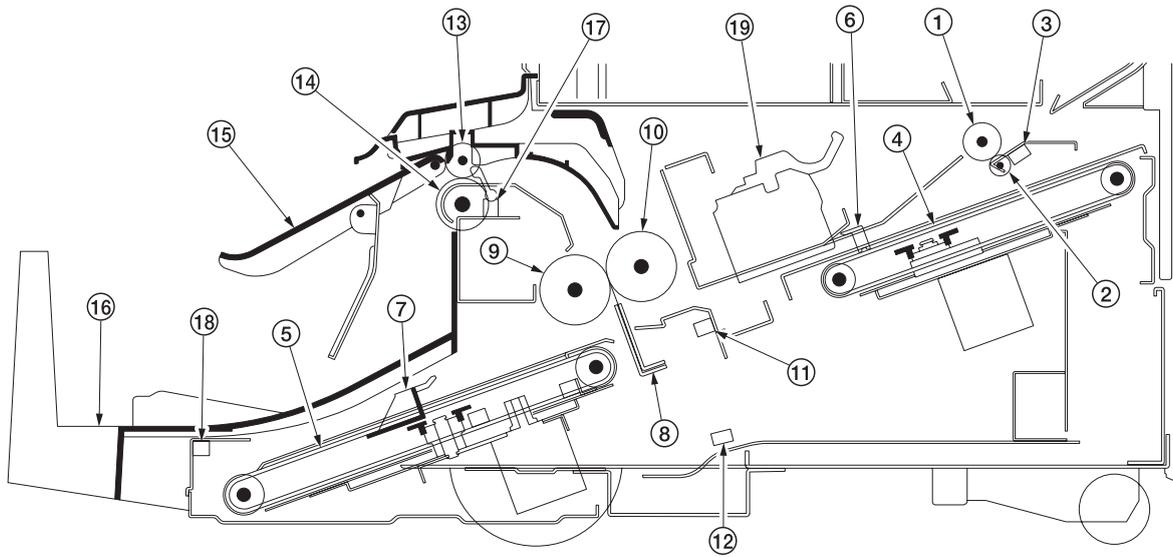


Figure 2-1-18 Centerfold unit

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|---|--|
| (1) Centerfold paper entry roller | (11) Centerfold paper detection switch (CPDSW) |
| (2) Paper conveying pulley | (12) Blade home position switch (BLHPSW) |
| (3) Centerfold paper entry sensor (CPES) | (13) Eject pulley |
| (4) Centerfold upper paper conveying belt | (14) Centerfold eject roller |
| (5) Centerfold lower paper conveying belt | (15) Ejected paper holding arm |
| (6) Centerfold upper sliding plate | (16) Centerfold tray |
| (7) Centerfold lower sliding plate | (17) Centerfold eject switch (CESW) |
| (8) Centerfold blade | (18) Tray paper detection sensor (TPDS) |
| (9) Centerfold left roller | (19) Centerfold staple unit |
| (10) Centerfold right roller | |

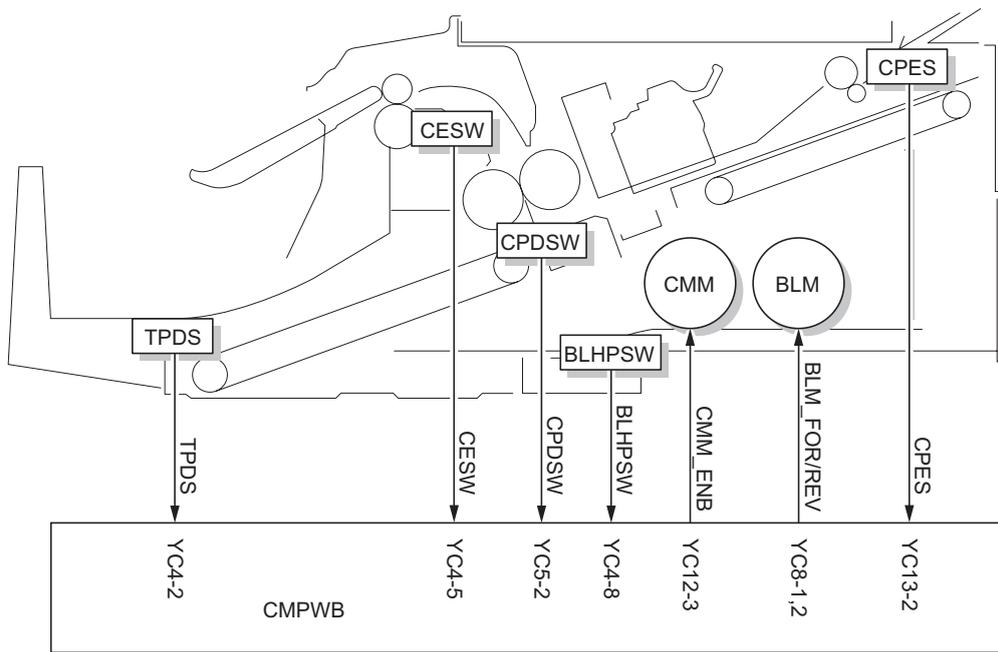


Figure 2-1-19 Centerfold unit block diagram

(1) Paper centerfold operation

1. The paper stuck at the centerfold unit is proceeded to the position at which it is centerfolded as driven by centerfold paper conveying belt motors 1 and 2.
2. Paper is aligned widthwise as centerfold side registration motors 1 and 2.

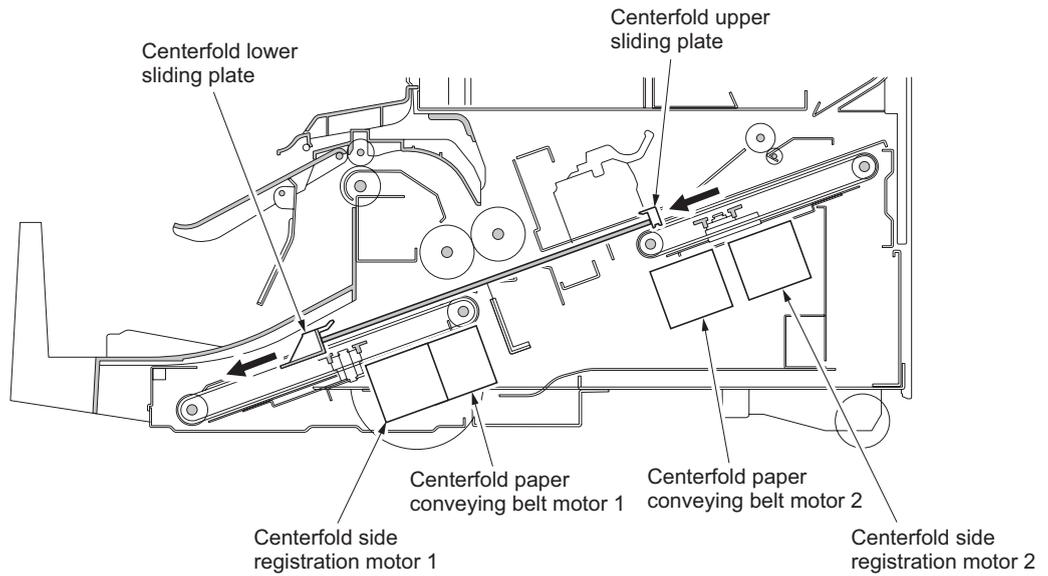


Figure 2-1-20

3. With the drive of the blade motor, the centerfold blade pushes up the center of the paper and crowds centerfold left and right rollers.
4. Center-folded paper is ejected to the centerfold tray with the operation of centerfold right and left rollers and centerfold eject roller.

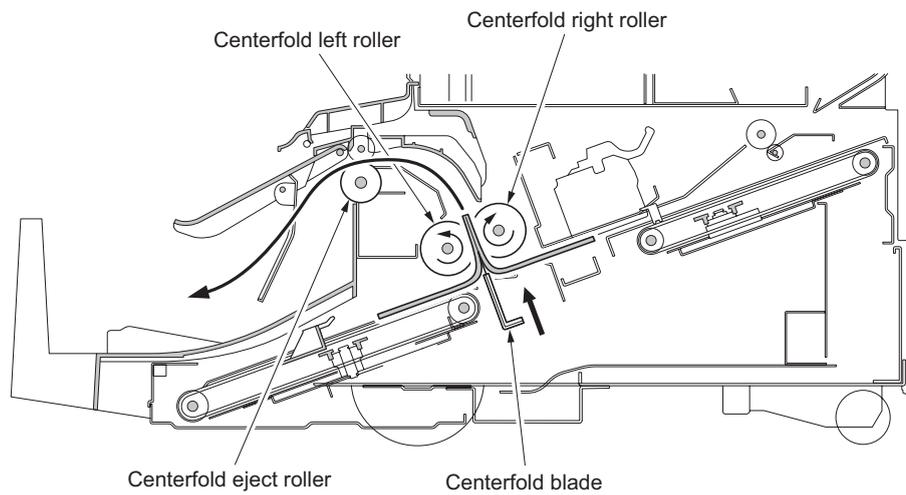


Figure 2-1-21