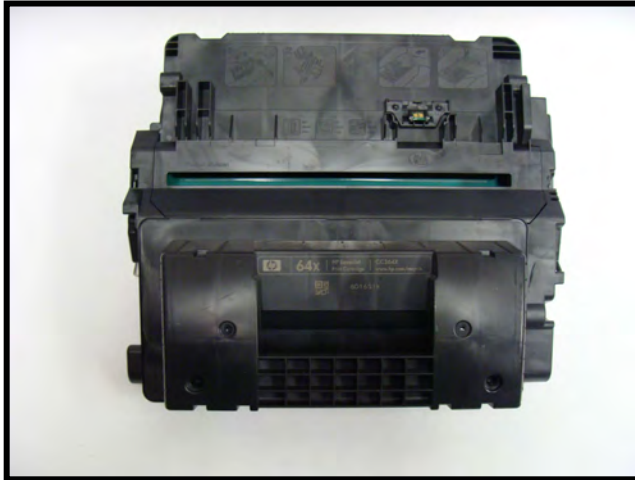


Remanufacturing Instructions

HP LaserJet P4014/ 4015/ 4515

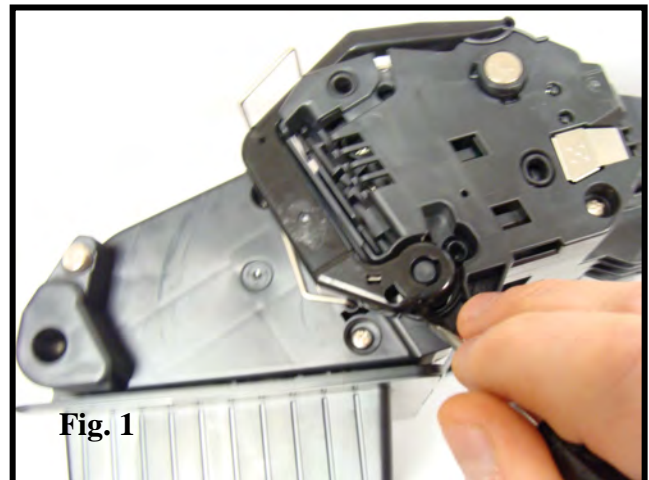
For Technical Support, please call (800) 322 8992 ext. 110



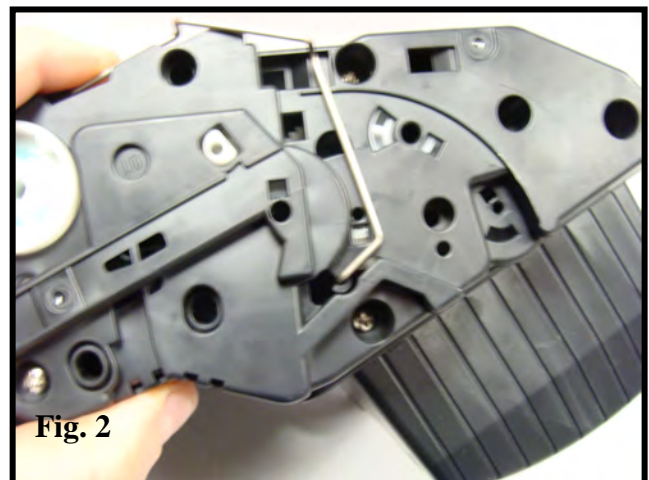
OEM Reference Information:

Part #	Yield @ 5%
CC364A	10000
CC364X	24000

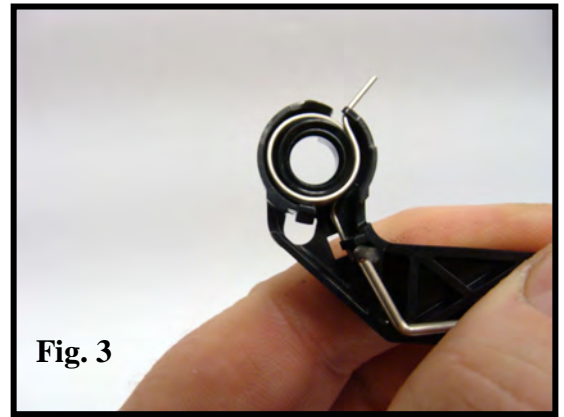
1. Remove the drum shutter arm (and spring) from the plastic post using a small flat head screwdriver (Fig. 1).



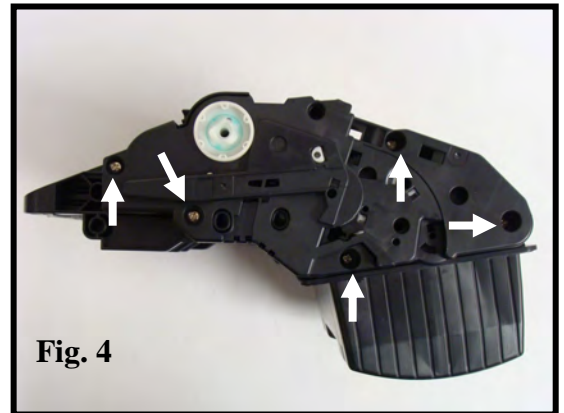
2. On the opposite side of the cartridge, remove the shutter bar by releasing it from the snap slot (Fig. 2). Remove the shutter from the cartridge.



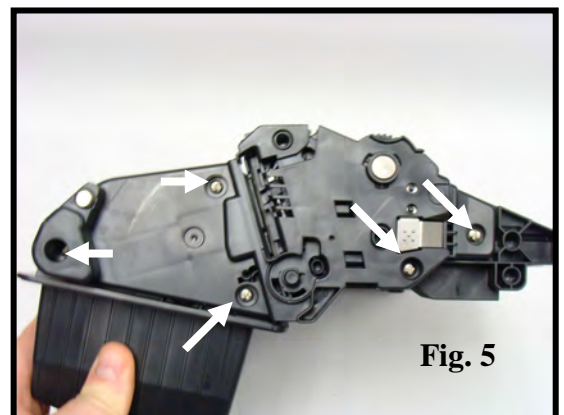
3. The tension spring should be placed in the shutter arm in this position for reassembly (Fig. 3).



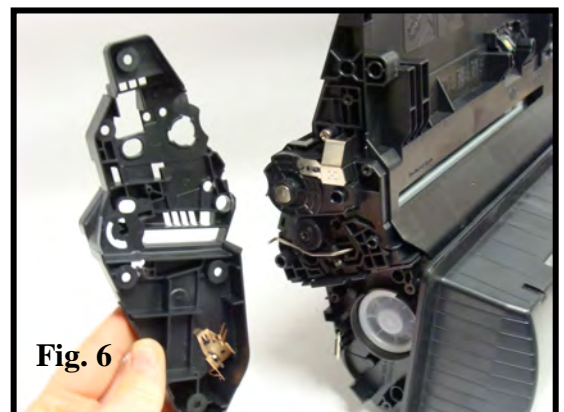
4. Remove five screws from the drum drive end cap (Fig. 4). Do not remove end cap.



5. Remove five screws from the contact side end cap (Fig. 5). Do not remove end cap.



6. The two cartridge halves are held in place by the end caps and will separate when the end caps are removed. Carefully remove the end caps from the cartridge (Fig. 6).



7. Separate cartridge halves (Fig. 7).

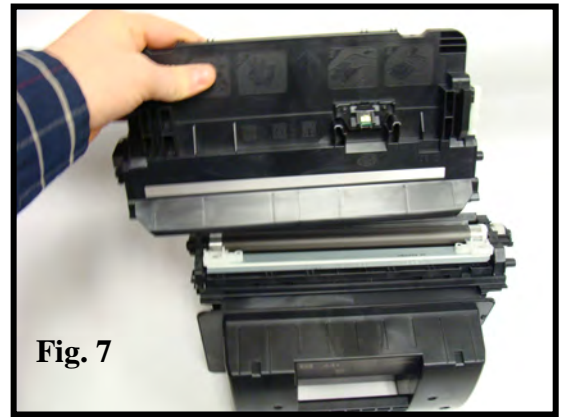


Fig. 7

Toner Section

8. Remove the mag stabilizer from the gear end of the toner hopper (Fig. 8).

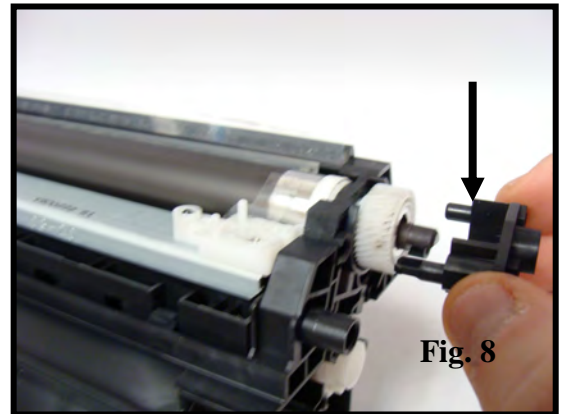


Fig. 8

9. Remove the mag roller drive gear (Fig. 9)



Fig. 9

10. Remove two screws from the mag roller stabilizer assembly (Fig. 10).

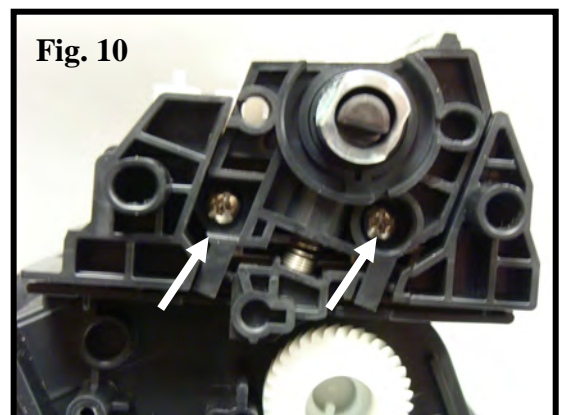
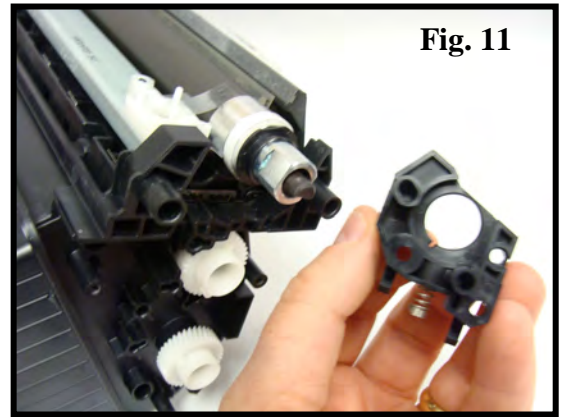
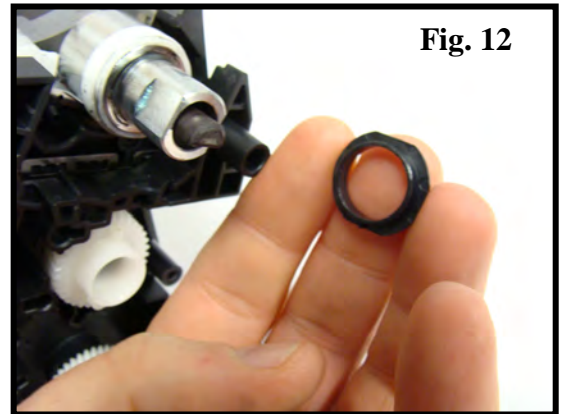


Fig. 10

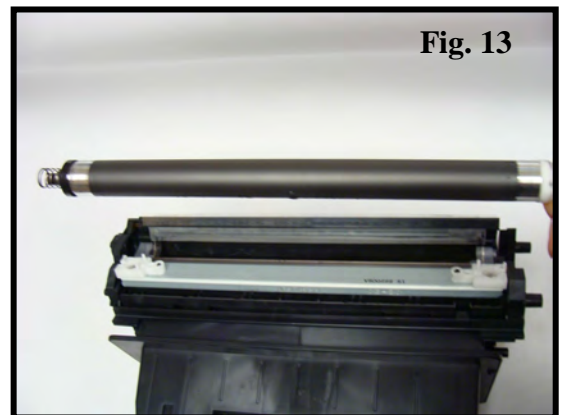
11. Remove the stabilizer assembly from the toner hopper (Fig. 11).



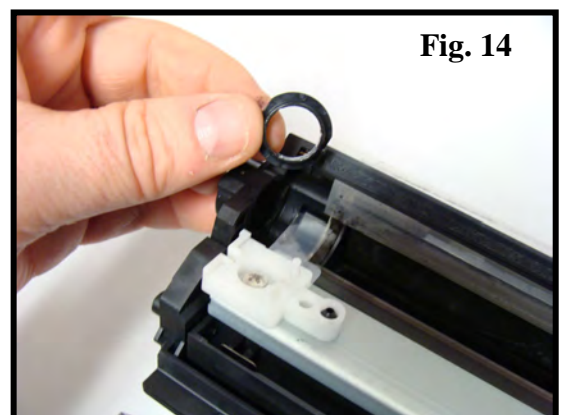
12. Remove the stabilizer bushing from the mag (Fig. 12). The bushing is keyed and should be cleaned and inserted into the stabilizer assembly for reassembly.



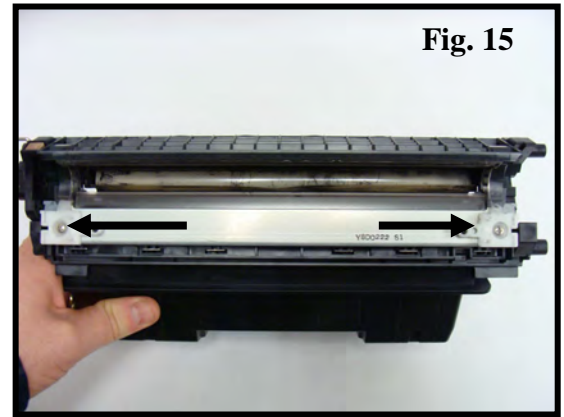
13. Remove the mag roller from the toner hopper (Fig. 13). Clean the roller with compressed air.



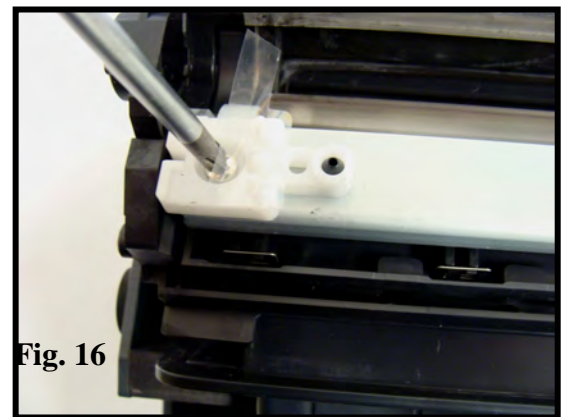
14. On the mag contact end there is also a stabilizer bushing that is keyed. Remove the bushing so that it is not lost when cleaning the toner hopper (Fig. 14).



15. Remove two screws that secure the doctor blade (Fig. 15).



16. Lift up on the mylar that is attached to the mag scraper to remove the screws (Fig. 16). Remove the mag scrapers from each end of the doctor blade.



17. Remove the doctor blade (Fig. 17).



18. Remove the hopper cap from the cartridge (Fig. 18). Dump all remaining toner from the hopper and clean thoroughly with compressed air.



19. Clean the doctor blade foam with compressed air. Ensure that the mag mylars are not damaged, replace if necessary (Fig. 19)



Fig. 19

20. Clean the mag contact end cap with alcohol applied to a cotton swab to remove all old grease from the contact (Fig. 20)



Fig. 20

21. Remove the mag roller contact spring and clean all old residual grease with alcohol (Fig. 21).



Fig. 21

22. Clean the mag scraper and mylars of all residual toner (Fig. 22).



Fig. 22

23. Insert fill plug and fill the toner hopper with the appropriate gram load of toner. Clean (or replace) the mag roller and doctor blade with dry compressed air. Add a small amount of conductive grease to the mag contact plate and assemble in reverse order (Fig. 23)

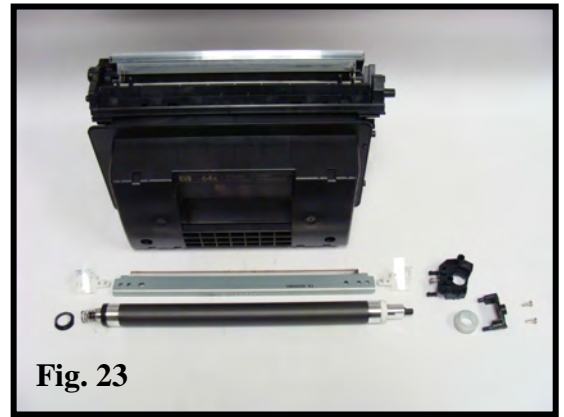


Fig. 23

24. After reassembling the toner hopper, make sure the mag scraper mylars are set on the surface of the mag roller (Fig. 24).

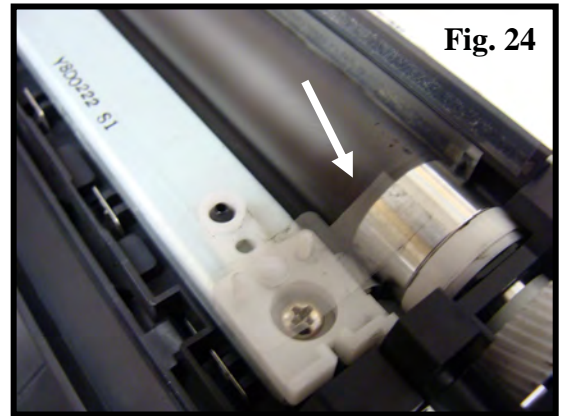


Fig. 24

Drum Section

25. Remove one screw from the drum stabilizer (Fig. 25).

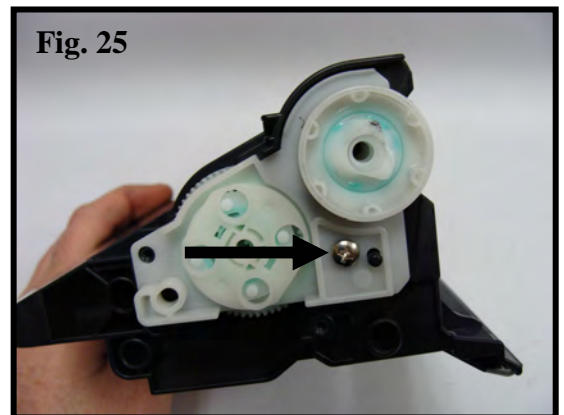


Fig. 25

26. Remove the stabilizer (Fig. 26).

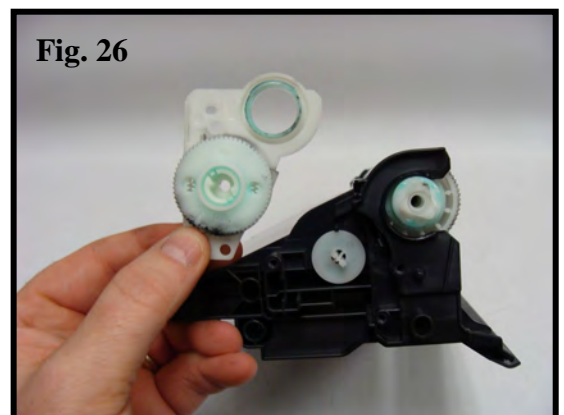
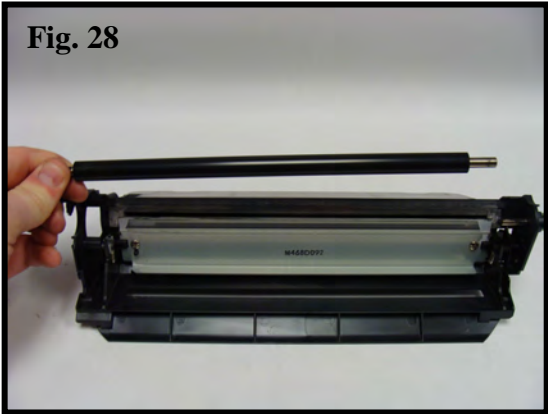


Fig. 26

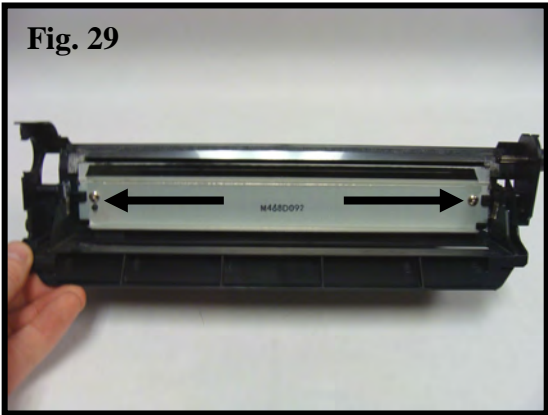
27. Remove the drum by lifting up and pulling away from the drum axle (Fig. 27).



28. Remove the PCR (Fig. 28).



29. Remove two screws from the wiper blade (Fig. 29).



30. Remove the wiper blade (Fig. 30).



31. Clean the waste section of all residual toner using compressed air (Fig. 31).

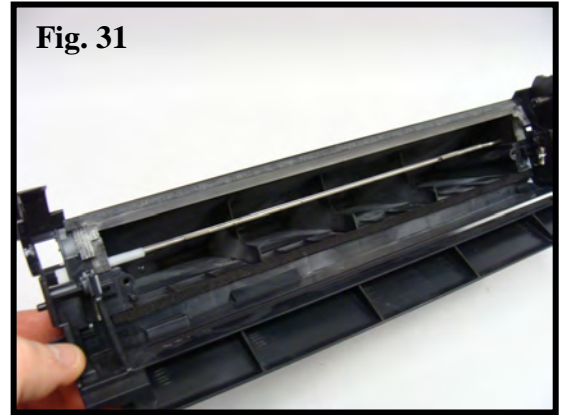


Fig. 31

32. Clean the drum axle and PCR saddle with alcohol. Apply a small amount of conductive grease to both (Fig. 32).

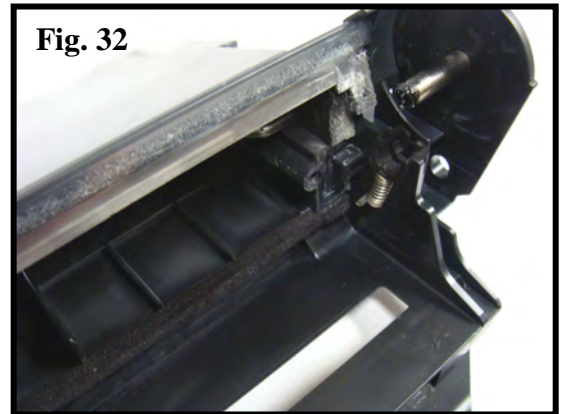


Fig. 32

33. Clean or replace all components. Clean the PCR with a lint free, wax free cloth. Apply padding powder to the leading edge of the wiper blade. Inspect the recovery blade for damage and replace if necessary. Reassemble in reverse order (Fig. 33).



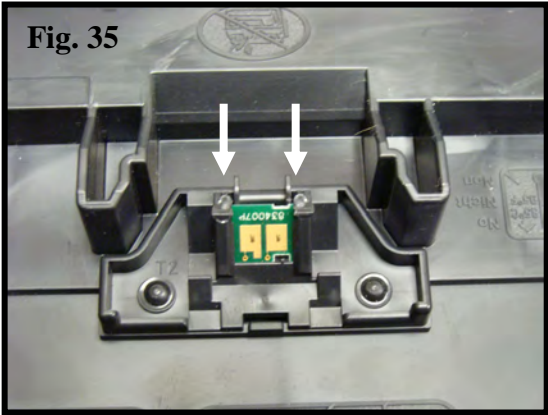
Fig. 33

34. Place the drum section onto the toner hopper and secure with the two end caps (Fig. 34). Reinstall the shutter door to the cartridge.

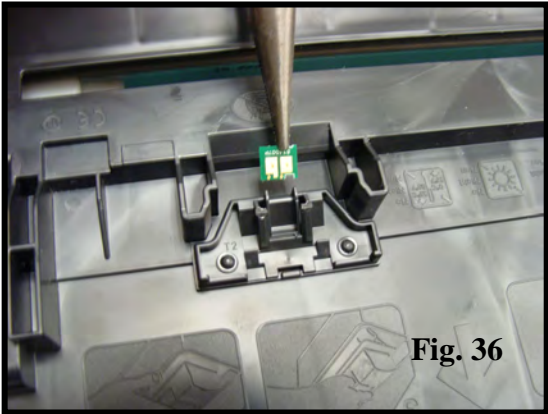


Fig. 34

35. Remove the plastic welds that secure the chip in the housing using a utility knife (Fig. 35).



36. Remove the old chip (Fig. 36). Install a new chip and secure with a small amount of adhesive on the ends that were removed on the chip housing.



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