BaBar experiment at PEP-II (SLAC) has been taking data since 1999 with the magnetic field flux return yoke instrumented by Resistive Plate Chambers (RPCs) as muon and neutral hadron detector. I will describe early problems observed with the first version of these counters, the effort to understand the declining performances, the R&D to improve the quality of a new version of RPCs, the project of upgrading the forward section, and finally the experience of running these new counters during the last two years.