• Replace portafilter gaskets
  o 8.4mm = 1.3440 (standard size)
  o 9.0mm = 1.3430 (for older handles with worn ears)

• Replace group diffuser screens
  o Synesso reinforced screen 1.3292

• Inspect portafilter baskets for wear or damage. Replace if necessary
  o 14 gram basket=1.7000
  o 18 gram basket=1.7090
  o 21 gram basket=1.7170

• Rebuild or replace steam valves. Clean and lubricate wand pivot ball and pusher face
  o Rebuild kit = 1.7320
  o Complete valve = 1.4501
  o Remove and clean steam tips

• Remove side and splash panels, inspect tanks, copper tubes, and all fittings for leaks

• Inspect and replace all ruby flow restrictors and brew valves
  o Ruby jet replacement kit = 1.3191
  o Brew valve = 1.2460

• Inspect brew valve drain manifold. Replace worn or cracked drain hose
  o Drain manifold black hose = 1.3261

• Check flow rate at each brew group. 2 oz water in 6-8 seconds

• Test consistency and accuracy of volumetrics across all groups

• Check that expansion valve does not leak at 9bar. 11-12 bar is the factory standard setting
  o Expansion valve = 1.4070

• Check line, bypass, and pump pressures

• Replace steam tank vacuum breaker
  o Vacuum breaker = 1.4265

• Inspect steam tank pressure relief valve (dark spots may indicate leaking). Replace if signs of leaking.
  o Pressure relief valve = 1.4100

• Depressurize steam and brew systems, check that gauges return to zero. Replace if not accurate.
  o 0-60psi steam gauge = 1.4083
  o 0-300psi brew gauge = 1.3373

• Remove and inspect level probes. Clean scale build up if necessary
  o Upper level probe (fill probe) = 1.4111
  o Lower (safety) probe = 1.4112

• Inspect sight glass and drain valve for leaks. Rebuild if signs of leaking
  o Sight glass repair - O rings needed 2 x 1.5290, and 4 x 1.5300
  o 1st Gen sight glass needs additional 1.5280 o-ring

• Inspect drain hose for clogs or leaks

• Check element gaskets for signs of leaking, tighten if needed

• Check steam handles for grit, friction, or contacts. Lubricate and adjust as needed

• Test handheld controller for proper operation. All buttons react as normal

• Test steam tank element set points. Cycle each loop of element