Ratio Professional

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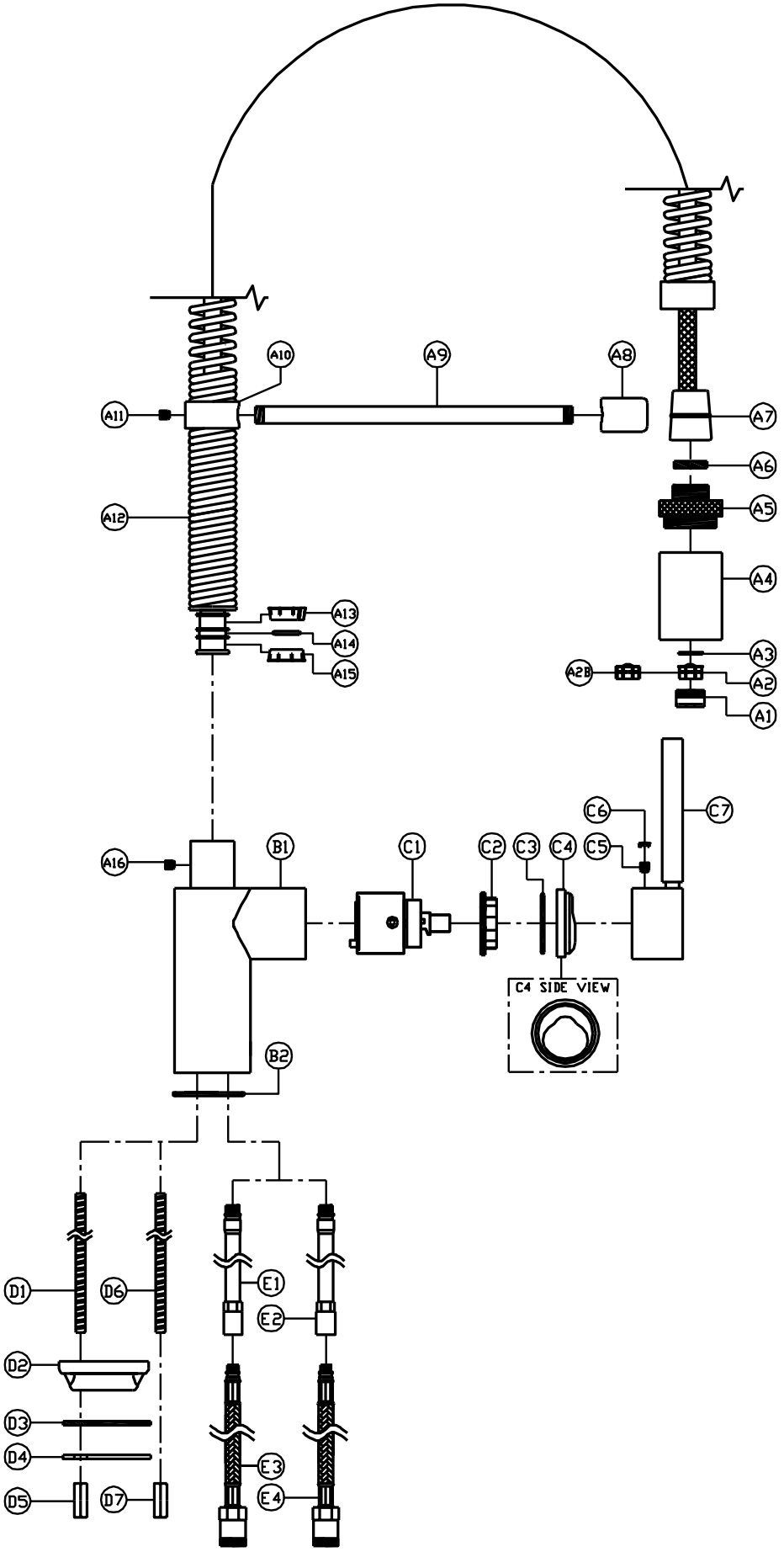

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General Advice:

- These instructions are intended as a guide only, if you are in any doubt you should seek the advice of a qualified professional.
- Take care not to mark finished parts with screwdrivers or other tools.
- Use a pair of rubber gloves to get a better grip on decorative hand tight parts.
- Ensure all parts are reassembled tightly.
- After maintenance test that all assemblies are water tight and function correctly.
- Always isolate the hot and cold water supplies before starting any maintenance, once isolated you should drain any residual water from your system.

To replace the valve:

1. Tilt the handle (C7) into the on position.
2. Remove dust cap (C6) with a finger nail or small screwdriver.
3. Loosen grub screw (C5) using a 2.5mm A/F Allen key.
4. Pull the handle (C7) horizontally away from the tap.
5. Pull the decorative shroud (C4) away from the body (B1), note rubber seal (C3) should remain inside shroud (C4).
6. Hold the body of the tap (B1) firmly. Using an adjustable spanner unscrew the valve lock nut (C2).
7. Pull the old valve cartridge (C1) away from the tap.
8. Ensure that the valve chamber (B1) is clean of dirt and grit.
9. Place the new valve (C1) in the chamber (B1), ensuring the locators on the base of valve (C1) align with the recesses in the chamber of the tap (B1).
10. Reassemble the tap in the reverse order, ensure that the wide section of the 'shell' cut out on the decorative shroud (C4) faces the bottom of the tap (see C4 side view).

To replace the spout o-rings:

1. Loosen grub screw (A16) using a 2.5mm A/F Allen key.
2. Whilst holding body (B1) pull the spout (A12) vertically, using a twisting action if required.
3. Remove the old o-ring (A14) using a small screwdriver or similar.
4. If worn, remove the white PTFE rings (A13 & A15).
5. Ensure the base of the spout (A12) and the body chamber (B1) is clean of dirt and grit.
6. If required locate the new white PTFE spacers rings (A13 & A15).
7. Carefully locate the new O-ring (A14) onto the spout base (A12).
8. Grease the O-ring (A14) thoroughly with silicone or alternative similar grease.
9. Note: the PTFE rings (A13 & A15) are designed to be a snap fit, when removing the spout some force may be required.

To adjust the spout arm:

1. Loosen grub screw (A16) using a 2.5mm A/F Allen key.
2. Move the spout arm as required, tighten screw (A16) using a 2.5mm A/F Allen key.

Should the handle become loose:

1. Tilt the handle (C7) into the on position.
2. Remove dust cap (C6) with a finger nail or small screwdriver.
3. Loosen grub screw (C5) using a 2.5mm A/F Allen key.
4. Pull the handle (C7) horizontally away from the tap.
5. Look for the indentation the grub screw (C5) has made on the valve stem (C1), using a small screwdriver or similar make the indentation deeper.
6. Reassemble the handle ensuring the grub screw (C5) is fully tight.

To improve the water flow rate:

1. Unscrew the aerator housing (A1)
2. Remove aerator (A2) installed in the tap and replace with the high flow aerator (A2B) supplied separately with the tap.
3. Reassemble the aerator in the reverse order.