

## General Advice:

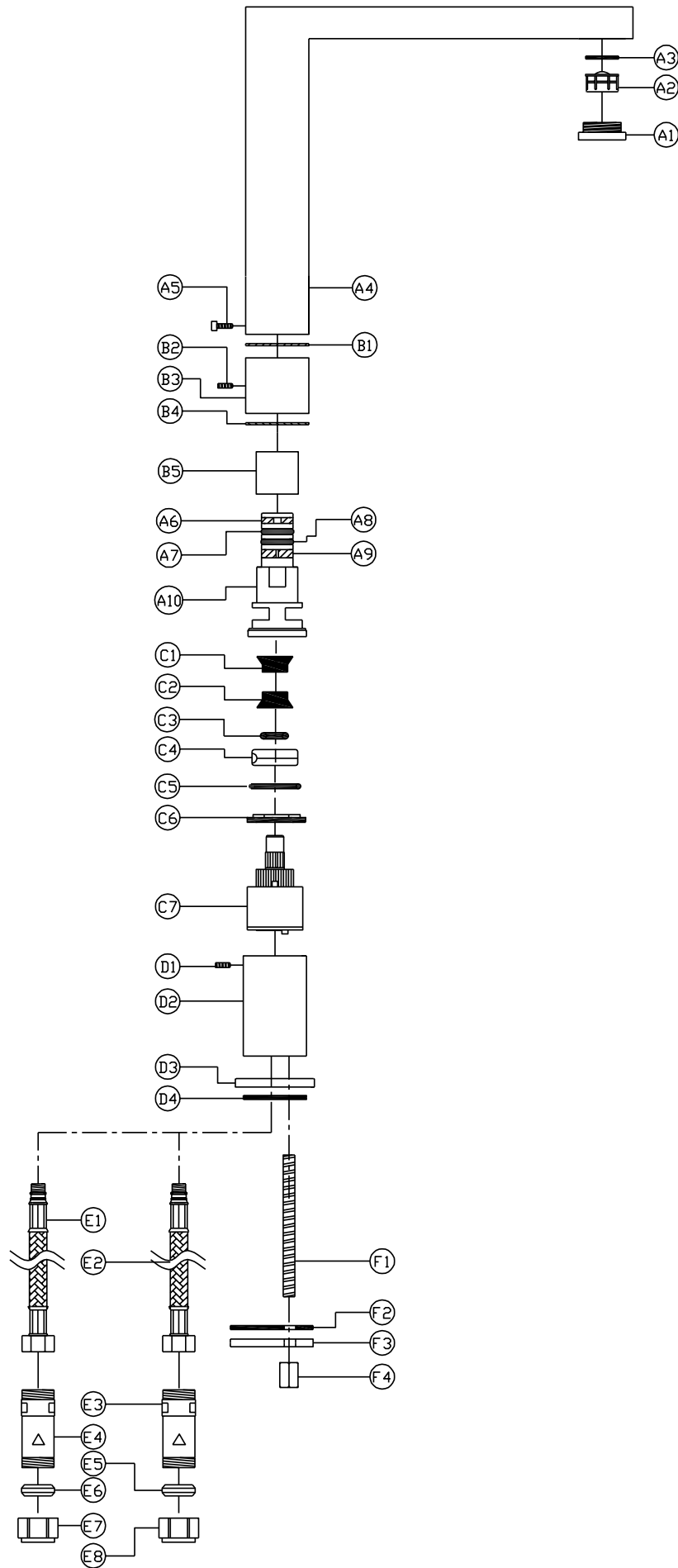
- These instructions are intended as a guide only, if you are in any doubt you should seek the advice of a qualified professional.
- Take care not to mark finished parts with screwdrivers or other tools.
- Use a pair of rubber gloves to get a better grip on decorative hand tight parts.
- Ensure all parts 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. Loosen grub screw (A5) on the rear of spout (A4) using a 2.5mm A/F allen key.
2. Pull the spout (A4) vertically away from the control block (B3).
3. Remove PTFE ring (B1).
4. Loosen grub screw (B2) on the rear of control block (B3) using a 2.5mm A/F allen key.
5. Pull the control block (B3) and PTFE ring (B5) vertically away from the body (D2).
6. Loosen grub screw (D1) on the rear of body (D2) using a 2.5mm A/F allen key.
7. Unscrew the retaining nut assembly (B7) using an adjustable spanner on the opposite flats.
8. Remove gaskets (C1&C2), small o-ring (C3), splined collar (C4) & large o-ring (C5).
9. Pull the old valve cartridge (C6) away from the body (D2).
10. Ensure that the inside of body (D2) is clean of dirt and grit.
11. Place the new valve (C6) in the body (D2), **ensuring the locators on the base of valve (C5) align with the recesses in the chamber of the tap (D2).**
12. Place the large o-ring (C5) on top of valve (C6).
13. Holding the valve (C6) turn the splined valve stem fully clockwise (i.e. the off position)
14. Place the splined collar (C4) over the valve stem of the valve (C5) so that the threaded hole directly faces the rear centre of the tap body (D2).
15. **Push gasket (C1) up inside the chamber of the retaining nut assembly (B7) so that it seats flat.**
16. Pass (C3) then (C2) over the valve stem of the valve cartridge (C6). Note the orientation of (C2).
17. Screw the retaining nut assembly (B7) into the body (D2). Note the orientation of the slot in retaining nut assembly (B7) must match the threaded hole in the rotating splined collar (C4). When the valve is turned fully clockwise grub screw (B2) must not foul on the end of the slot in retaining nut assembly (B7), adjust the rotation of the retaining nut assembly (B7) and splined collar (C3) so the valve turns through 90° and fully to the off position with grub screw (B2) inserted.
18. Re-tighten grub screw (D1) to lock the retaining nut assembly (B7) in place.
19. Replace PTFE ring (B4) centrally over the top of retaining nut assembly (B7).
20. Place the control block over the retaining nut assembly (B7).
21. Screw grub screw (B2) into the threaded hole in the splined collar (C4) using a 2.5mm A/F allen key.
22. Replace PTFE ring (B1).
23. Replace spout (A4), fixing it in position by tightening grub screw (A5) on the rear of spout (A4) using a 2.5mm A/F allen key.

## To replace the spout o-rings:

1. Loosen grub screw (A5) on the rear of spout (A4) using a 2.5mm A/F allen key.
2. Pull the spout (A4) vertically away from the control block (B3).
3. Remove the old o-rings (A6 & A7) using a small screwdriver or similar.
4. Ensure the inside of the spout (A4) and the top of retaining nut (B7) is clean of dirt and grit with a soft wet cloth.
5. Carefully locate the new O-rings (A6 & A7) onto the top of retaining nut (B7).
6. Grease the O-rings (A6 & A7) thoroughly with silicone or alternative similar grease.
7. Reassemble the tap in the reverse order ensuring PTFE ring (B1) is placed into the recess on control block (B3).



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## To replace the valve:

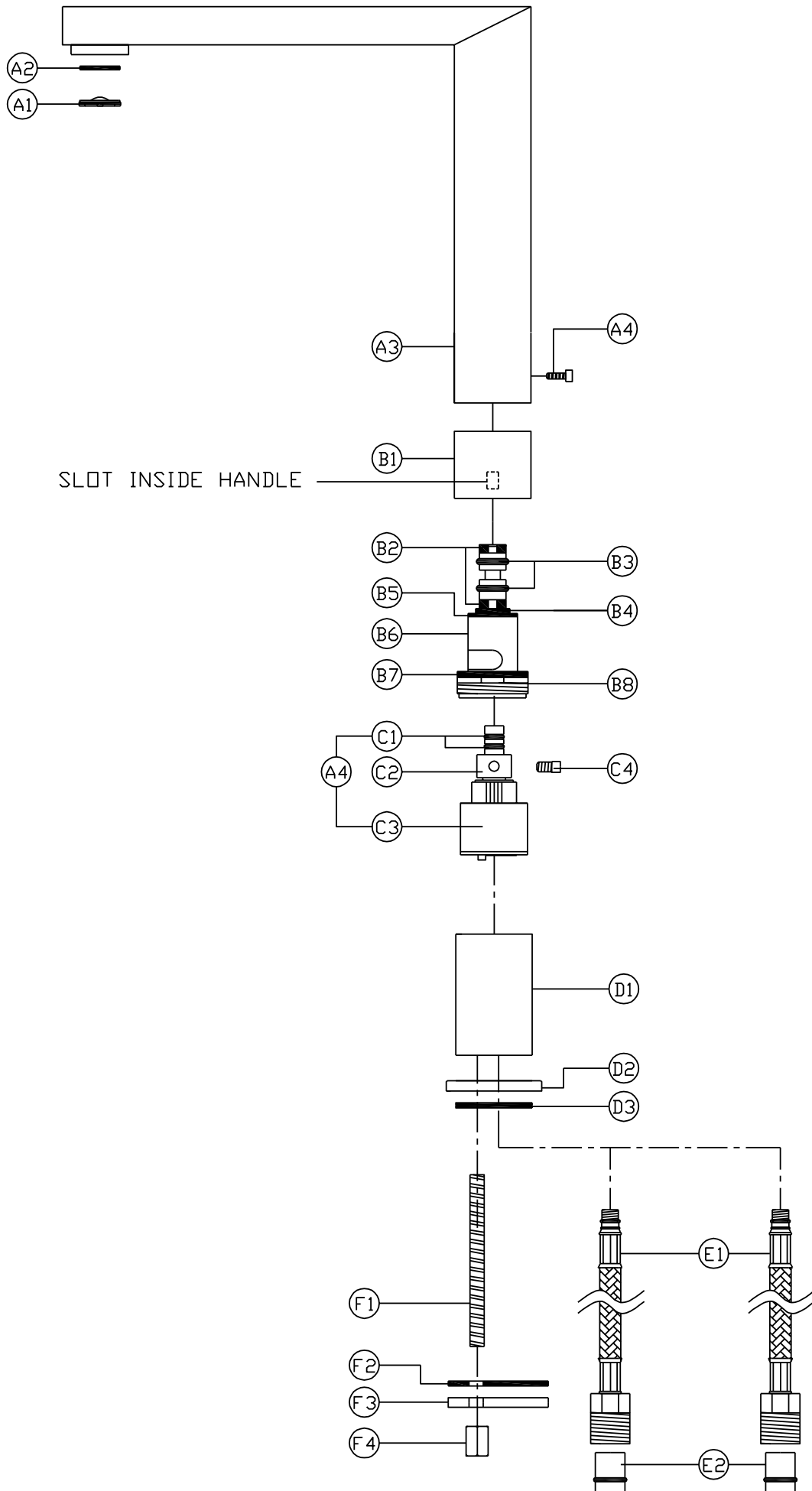
24. Loosen grub screw (A5) on the rear of spout (A4) using a 2.5mm A/F allen key.
25. Pull the spout (A4) vertically away from the control block (B3).
26. Remove PTFE ring (B1).
27. Loosen grub screw (B2) on the rear of control block (B3) using a 2.5mm A/F allen key.
28. Pull the control block (B3) and PTFE ring (B5) vertically away from the body (D2).
29. Loosen grub screw (D1) on the rear of body (D2) using a 2.5mm A/F allen key.
30. Unscrew the valve shroud (A10) using an adjustable spanner on the opposite flats.
31. Remove gaskets (C1&C2), small o-ring (C3), splined collar (C4) & large o-ring (C5).
32. Remove locking nut (C6) using Circlip or long nose pliers. Pull the old valve cartridge (C7) away from the body (D2).
33. Ensure that the inside of body (D2) is clean of dirt and grit.
34. Place the new valve (C7) in the body (D2), **ensuring the locators on the base of valve (C7) align with the recesses in the chamber of the tap (D2).**
35. Replace the fixing nut (C6) and tighten until the valve (C7) is secure.
36. Replace the o-ring (C5) over the fixing nut (C6).
37. Turn the splined valve stem of the valve (C7) fully clockwise (i.e. the off position)
38. Place the splined collar (C4) over the valve stem of the valve (C7) so that the threaded hole directly faces the rear centre of the tap body (D2).
39. **Push gasket (C1) up inside the chamber of the valve shroud (A10) so that it seats flat.**
40. Pass (C3) then (C2) over the valve stem of the valve cartridge (C6). Note the orientation of (C2).
41. Screw the valve shroud (A10) into the body (D2). Note the orientation of the slot in valve shroud (A10) must match the threaded hole in the rotating splined collar (C4). When the valve is turned fully clockwise grub screw (B2) must not foul on the end of the slot in the valve shroud (A10), adjust the rotation of the valve shroud (A10) so the valve turns through 90° and fully to the off position with grub screw (B2) inserted.
42. Re-tighten grub screw (D1) to lock the valve shroud (A10) in place.
43. Replace PTFE ring (B5) centrally over the top of the valve shroud (A10), followed by the control block (B3)
44. Tighten grub screw, (B2) of the control block (B3) into the threaded hole in the splined collar (C4) using a 2.5mm A/F allen key.
45. Replace PTFE ring (B1).
46. Replace spout (A4), fixing it in position by tightening grub screw (A5) on the rear of spout (A4) using a 2.5mm A/F allen key.

## To replace the spout o-rings:

8. Loosen grub screw (A5) on the rear of spout (A4) using a 2.5mm A/F allen key.
9. Pull the spout (A4) vertically away from the control block (B3).
10. Remove the old o-rings (A7 & A8) using a small screwdriver or similar.
11. Ensure the inside of the spout (A4) and the top of the valve shroud (A10) is clean of dirt and grit with a soft wet cloth.
12. Carefully locate the new O-rings (A7 & A8) onto the top of retaining nut (B7).
13. Grease the O-rings (A7 & A8) thoroughly with silicone or alternative similar grease.
14. Reassemble the tap in the reverse order ensuring PTFE ring (B1) is placed into the recess on control block (B3).

## To replace the valve shroud gaskets:

1. Loosen grub screw (A5) on the rear of spout (A4) using a 2.5mm A/F allen key.
2. Pull the spout (A4) vertically away from the control block (B3).
3. Remove PTFE ring (B1).
4. Loosen grub screw (B2) on the rear of control block (B3) using a 2.5mm A/F allen key.
5. Pull the control block (B3) and PTFE ring (B5) vertically away from the body (D2).
6. Loosen grub screw (D1) on the rear of body (D2) using a 2.5mm A/F allen key.
7. Unscrew the valve shroud (A10) using an adjustable spanner on the opposite flats.
8. Remove gaskets (C1&C2) and small o-ring (C3).
9. **Push new gasket (C1) up inside the chamber of the valve shroud (A10) so that it seats flat.** (Note gasket orientation)
10. Pass (C3) then (C2) over the valve stem of the valve cartridge (C6). Note the orientation of (C2).
11. Now check that locking nut (C6) is tight.
12. Screw the valve shroud (A10) into the body (D2). Note the orientation of the slot in valve shroud (A10) must match the threaded hole in the rotating splined collar (C4). When the valve is turned fully clockwise grub screw (B2) must not foul on the end of the slot in the valve shroud (A10), adjust the rotation of the valve shroud (A10) so the valve turns through 90° and fully to the off position with grub screw (B2) inserted.
13. Re-tighten grub screw (D1) to lock the valve shroud (A10) in place.
14. Replace PTFE ring (B5) centrally over the top of the valve shroud (A10), followed by the control block (B3)
15. Tighten grub screw, (B2) of the control block (B3) into the threaded hole in the splined collar (C4) using a 2.5mm A/F allen key.
16. Replace PTFE ring (B1).
17. Replace spout (A4), fixing it in position by tightening grub screw (A5) on the rear of spout (A4) using a 2.5mm A/F allen key.



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## To replace the valve:

47. Loosen grub screw (A4) on the rear of the spout (A3) using a 2.5mm A/F allen key.
48. Pull the spout (A3) vertically away from the control block (B1).
49. Remove PTFE rings (B2) using a pair of flat tip screwdrivers.
50. Taking great care, remove o-rings (B3) with a flat tip screwdriver.
51. Pull the control block (B1) vertically away from the body (D1).
52. Remove control block grub screw (C4).
53. Remove PTFE ring (B7).
54. Using an adjustable spanner, fully unscrew valve locking nut (B8) and pull away the valve/spout connector (B6) along with the old valve assembly (X1)
55. Pull away the old valve assembly (X1) from the valve/spout connector (B6).
56. Clean the inside of chamber D1 using warm water and a mild detergent.
57. Push the new valve assembly into the valve/spout connector (B6)
58. Locate the pegs on the bottom of the new valve assembly (X1) into the corresponding holes in the tap body (D1).
59. Reassemble the tap in reverse order (points 8 to 1).

## To replace the spout o-rings:

1. Loosen grub screw (A4) on the rear of the spout (A3) using a 2.5mm A/F allen key.
2. Pull the spout (A3) vertically away from the control block (B1).
3. Remove upper PTFE ring (B2) using a pair of flat tip screwdrivers.
4. Replace old o-rings (B3) with new one and reassemble the tap in reverse order.

## To replace the valve o-rings:

18. Follow the valve replacement guide. Once the valve assembly (X1) has been removed, lever off the old o-rings (C1) and replace with the new ones. Continue to follow the valve replacement guide to reassemble the tap.