

Spitfire Valve

Blended Pulse™ Application Systems

Contents Include:
Components, Part Numbers,
and Service Procedures

Reference/ Service Guide

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Reference Information

7-Watt Coil Components

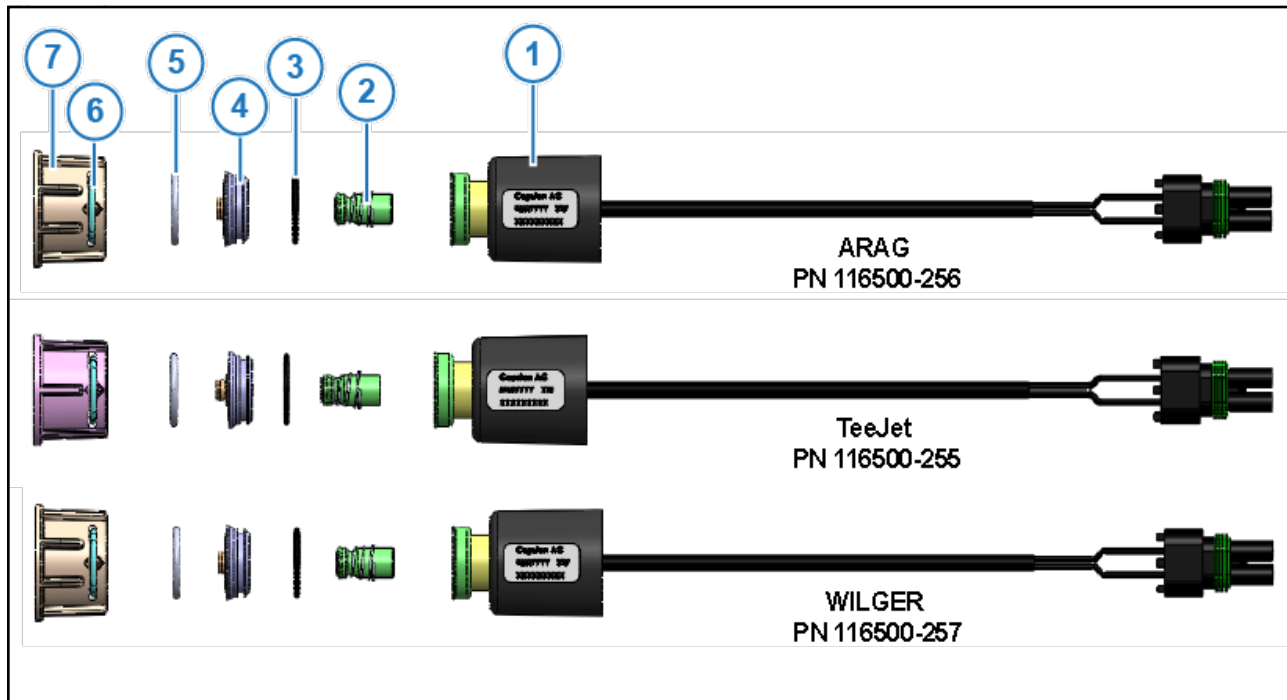


Figure 1: 7-Watt Coil Components

Item	Description	Arag Part Number	TeeJet Part Number	Wilger Part Number
1	Coil	116500-201	116500-201	116500-201
2	Plunger	716009-120	716009-120	716009-120
3	O-ring (Inner)	116500-221	116500-221	116500-221
4	Orifice Assembly (Identifiers)	116500-243 Mound: Black Tail: Black Shoulder on Tail: No	116500-244 Mound: Black Tail: SS Shoulder on Tail: Yes	116500-244 Mound: Black Tail: SS Shoulder on Tail: Yes
5	O-ring (Spoked)	116500-225	116500-225	116500-225
6	U-clip	116500-222	116500-222	116500-222
7	Fly Nut	116500-271	116500-272	116500-273
	Plug (unpictured)	116500-278	116500-277	116500-279

12-Watt Coil Components

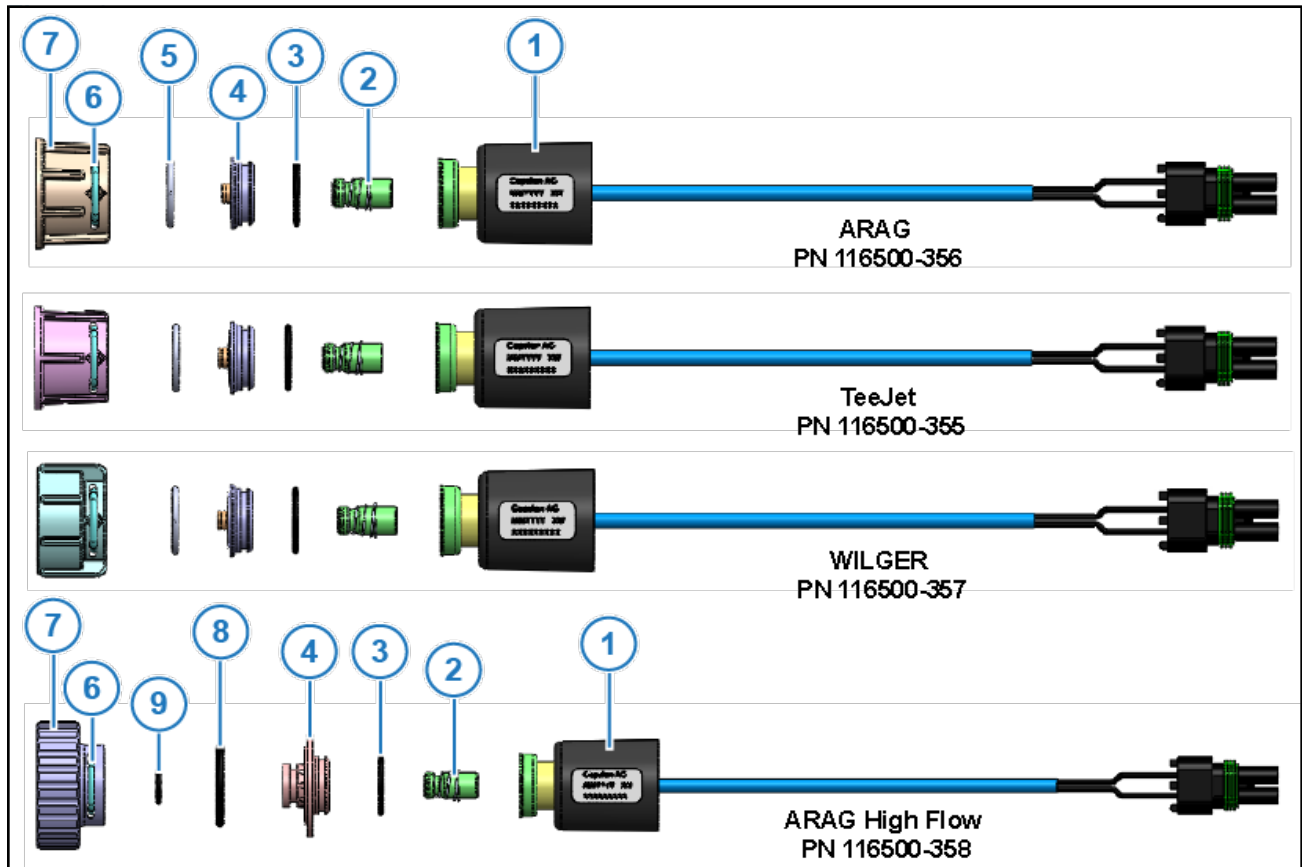


Figure 2: 12-Watt Coil Components

Item	Description	Arag Part Number	TeeJet Part Number	Wilger Part Number	Arag High Flow Part Number
1	Coil	116500-301	116500-301	116500-301	116500-301
2	Plunger	716009-120	716009-120	716009-120	716009-120
3	O-ring (Inner)	116500-221	116500-221	116500-221	116500-221
4	Orifice Assembly (Identifiers)	116500-245 Mound: SS Tail: Black Shoulder on Tail: No	116500-246 Mound: SS Tail: SS Shoulder on Tail: Yes	116500-246 Mound: SS Tail: SS Shoulder on Tail: Yes	116500-234 Mound: SS Tail: SS Shoulder on Tail: NA
5	O-ring (Spoked)	116500-225	116500-225	116500-225	NA
6	U-clip	116500-222	116500-222	116500-222	116500-222
7	Fly Nut	116500-271	116500-272	116500-273	116500-191
8	O-ring (outer)	NA	NA	NA	715022-215
9	O-ring (stem)	NA	NA	NA	715022-211
	Plug (unpictured)	116500-278	116500-277	116500-279	116500-276

Orifice Insert Components

The Spitfire valve uses a removable orifice assembly in place of the solid valve body of the legacy valve. The different style of orifice inserts can be identified by the finishes of their mounds (Figure 3&4, Item 1) and tails (Figure 3&4, Item 2) which protrude from the orifice body (Figure 3&4, Item 3). These may either be black coated (Figure 3) or bare stainless steel (Figure 4).

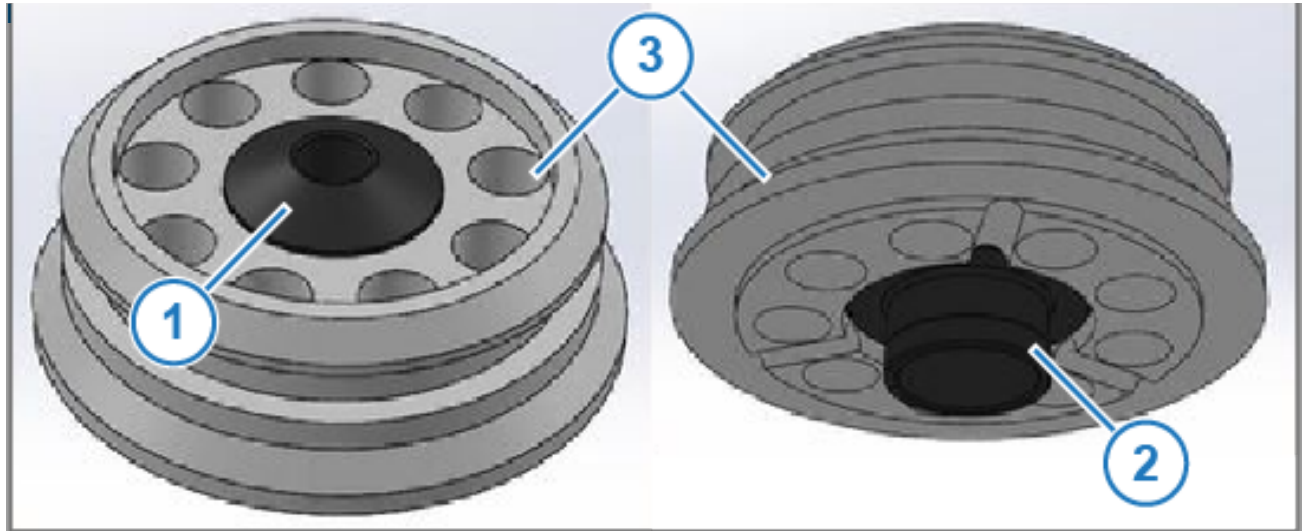


Figure 3: Black Coated Mound and Tail

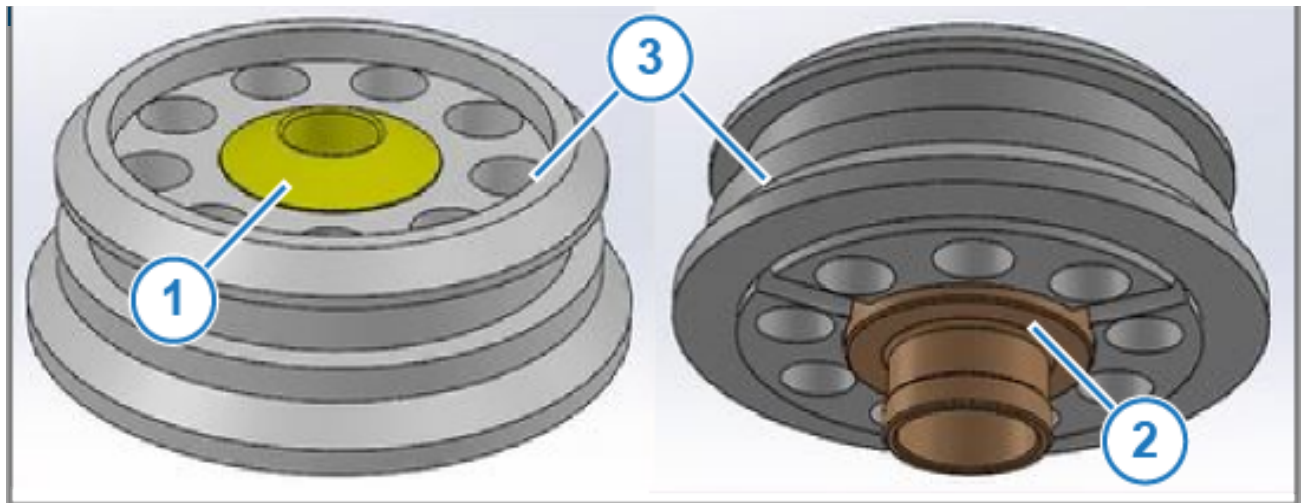


Figure 4: Stainless Steel Mound and Tail

Service Procedure

The Spitfire valve requires new service procedures.

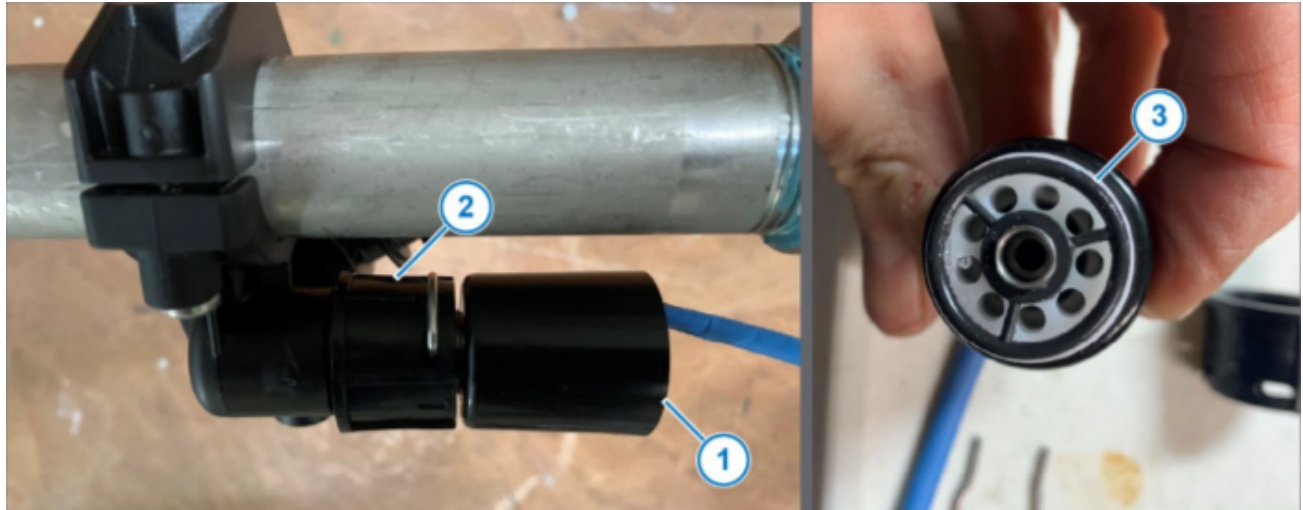


Figure 5: Flynut

Hold the coil (Figure 5, Item 1) stationary while tightening the flynut (Figure 5, Item 2). If the coil is rotated while tightening the flynut, damage to the spoke O-ring (Figure 5, Item 3) can occur and cause the valve to leak.



Figure 6: Retaining Clip

To service the valve components, remove the retaining clip (Figure 6, Item 1). Use the retaining clip to remove the orifice insert (Figure 6, Item 2) to service the plunger (Figure 6, Item 3).

A decorative graphic on the left side of the page, consisting of a thick green curved line and several blue circles of different sizes, some of which are partially cut off by the edge of the page.

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