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Form No. 380-0027 Rev A

Parts Catalog

850S Golf Sprinklers Series

Model No. 850S Series

Ordering Replacement Parts

To order replacement parts, please supply the part number, the quantity, and the description of each part desired.

Understanding Reference Numbers

Each identified part in an illustration has a reference number. The reference number for a part also appears in the parts list, along with other information about the part.

This catalog uses two special reference number formats, one to indicate parts in a service assembly and another to indicate the quantity of a given part in an illustration.

Service Assembly Reference Numbers

Parts in service assemblies have reference numbers in the form a:b. The a represents the reference number of the entire service assembly and the b represents a sequential number unique to each part within the service assembly.

For example, a wheel assembly might be identified by reference number 6, the tire by 6:1, the valve by 6:2, and the wheel by 6:3. When you order the assembly identified by reference number 6, you receive all parts identified by reference numbers 6:1, 6:2, and 6:3. However, you may also order any part individually. Reference numbers of this type appear in illustration and in parts lists.

Reference Numbers Indicating Quantity

In an illustration, if a reference number indicates more than one part, the reference number has the form nX y. The n represents the quantity of the part, the X is the multiplication symbol, and the y represents the reference number.

For example, in an illustration, the reference number 2X 37 means that two of the parts identified by reference number 37 are indicated.

List of Abbreviations

AR: as required

ASM: assembly

BBC: blade brake control

BHTF: button head thread forming

CARR: carriage

CCW: counter clockwise

CW: clockwise

DEG: degrees

DPA: Dual Point Adjustment

ECM: electronic control module

EXT: external

FH: flat head

GA: gauge

HD: heavy-duty

HF: hex flange

HH: hex head

HHF: hex head flange

HHFTF: hex head flange thread forming

HJ: hex jam

HLH: hex lag head

HOC: height-of-cut

HSBH: hex socket button head

HSFH: hex socket flat head

HSH: hex socket head

HWH: hex washer head

HWHTF: hex washer head thread forming

HYD: hydraulic

LH: left hand

LP: Liquid Propane

NI: nylon insert

NPTF: national pipe thread fine

PFH: phillips flat head

PPH: phillips pan head

PPHTF: phillips pan head thread forming

PRH: phillips round head

PTH: phillips truss head

PTO: power-take-off

RH: right hand

ROPS: roll-over protection system

RRB: rear roller brush

SFH: slotted fillister head

SHH: slotted hex head

SHWH: slotted hex washer head

SPH: slotted pan head

SQH: square head

SRH: slotted round head

STD: standard

TAP: self tapping

TTH: torx truss head

Contents

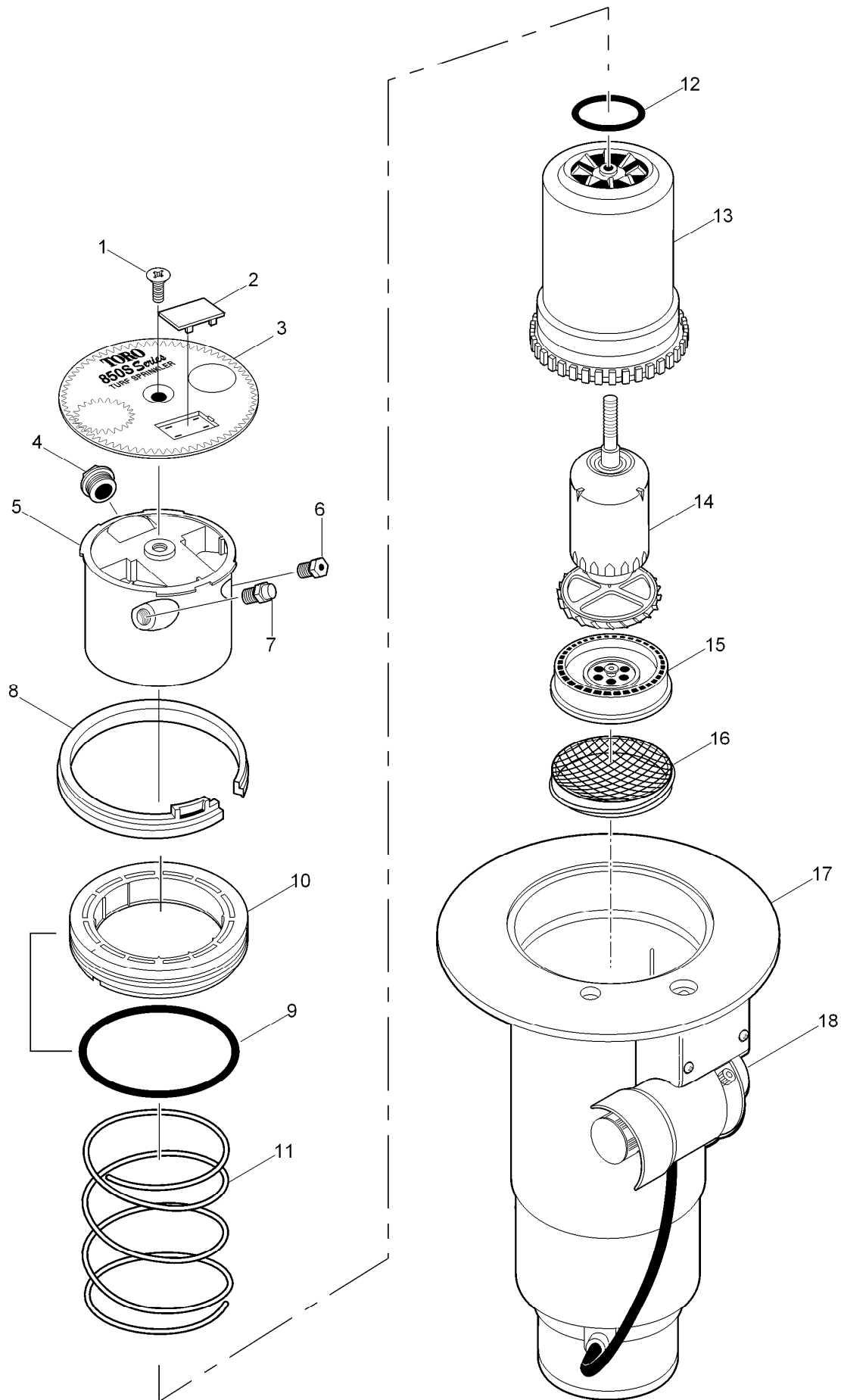
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854S Series Sprinkler - Pre-2007



854S Series Sprinkler - Pre-2007 (continued)

Ref.	Part Number	Qty.	Description
1	102-0362	1	Screw, Cap
2	89-1589	1	Plug, Cap (Black)
3	102-0231	1	Cap, 854S
3	102-1704	1	Cap, 854S, Effluent
4	102-0725	1	Nozzle, Main, #1, Yellow
4	102-0726	1	Nozzle, Main, #2, Blue
4	102-0727	1	Nozzle, Main, #3, Brown
4	102-0728	1	Nozzle, Main, #4, Orange
4	102-0729	1	Nozzle, Main, #5, Green
4	102-0730	1	Nozzle, Main, #6, Gray
4	102-4261	1	Nozzle, Main, #7, Black
4	102-4260	1	Nozzle, Main, #8, Red
4	102-4259	1	Nozzle, Main, #9, Beige
5	102-7407	1	Nozzle Base Kit, Dual Trajectory (Includes Items 1-5 And 7-10 Found On 854S Present Model)
6	102-2105		Nozzle Assy. Intermediate, Blue (Used W/ #1 Yellow And #2 Blue Mains)
6	102-2106		Nozzle Assy. Intermediate, Orange (Used W/ #3 Brown & #4 Orange Mains)
6	102-2107		Nozzle Assy. Intermediate, Gray (Used W/ #5 Green & #6 Gray Mains)
6	102-2981	1	Nozzle Assy. Intermediate, Red (Used W/ #7-#9 Mains)
7	102-2980	1	Nozzle Assy. Inner, Red (W/ Restrictor)
8	35-6119	1	Snap Ring, Riser
9	363-4103	1	O-Ring, Body
10	102-0136	1	Retainer, Seal, 1.5"
11	102-0151	1	Spring, Return
12	363-4167	1	O-Ring, Nozzle Base
13	102-0203	1	Riser
14	102-4503	1	Drive Assembly, 12-Pack
15	102-1939	1	Stator Assembly, Low Flow, Yellow (Used W/ #1-#4 Mains)
15	102-1940	1	Stator Assembly, Medium Flow, White (Used W/ #5-#8 Mains)
15	102-1941	1	Stator Assembly, High-Flow, White (Used W/ #9 Main)
16	102-1715	1	Screen, Riser
17		1	Body Assembly (See Golf Sprinkler Body Assembly Section) ○ ◆
18		1	Pilot Valve Assembly (See Pilot Valve Assembly Section) □ ◆

Ref.	Part Number	Qty.	Description
	102-0840		Nozzle, Inner/Intermediate, Blank, Red ● ▲
	102-4337		Stream Straightener, Intermediate Nozzle ● ▲
	102-2041		Restrictor, Yellow, Inner Nozzle ● ▲
	102-2504		Cap, 854S, W/O Graphics ● ▲
	102-2505		Cap, 854S, W/O Graphics, Effluent ● ▲
	102-0950		Adapter, Conversion ● ▲
	YARDMARKYEL	10	Yardage Marker, Yellow (10-Sheets Per Pack) ● ▲
	YARDMARKLAV	10	Yardage Marker, Lavender (For Non-Potable Water Applications) ● ▲
	854S-5154		Conversion Assembly, 854S W/ #51, 52, 53, 54 Nozzles ● ▲
	854S-5154E		Conversion Assembly, 854S W/ #51, 52, 53, 54 Nozzles, Effluent ● ▲
	854S-5558		Conversion Assembly, 854S W/ #55, 56, 57, 58 Nozzles ● ▲
	854S-5558E		Conversion Assembly, 854S W/ #55, 56, 57, 58 Nozzles, Effluent ● ▲
	854S-59		Conversion Assembly, 854S W/ #59 Nozzle ● ▲
	854S-59E		Conversion Assembly, 854S W/ #59 Nozzle, Effluent ● ▲
	995-09		Valve Removal Tool ■ ▲
	995-101		Valve Insertion Tool ■ ▲
	995-15		Selector Tool (Flag Key) ■ ▲
	995-79		Nut Driver, 7/16" (For Inner And Intermediate Nozzles) ■ ▲
	995-99		Nut Driver, 5/8" (For Main Nozzle) ■ ▲
	995-83		Multi-Purpose Tool ■ ▲
	995-85		Riser Removal Tool ■ ▲
	995-100		Valve Snap Ring Pliers With Screen Remover ■ ▲
	995-102		Riser Hold-Up Tool, Universal ■ ▲
	118-0954	1	Riser Hold-Up Tool, Red ■ ▲

● SERVICE ITEMS

▲ Not illustrated

□ See Pilot Valve Assembly Section.

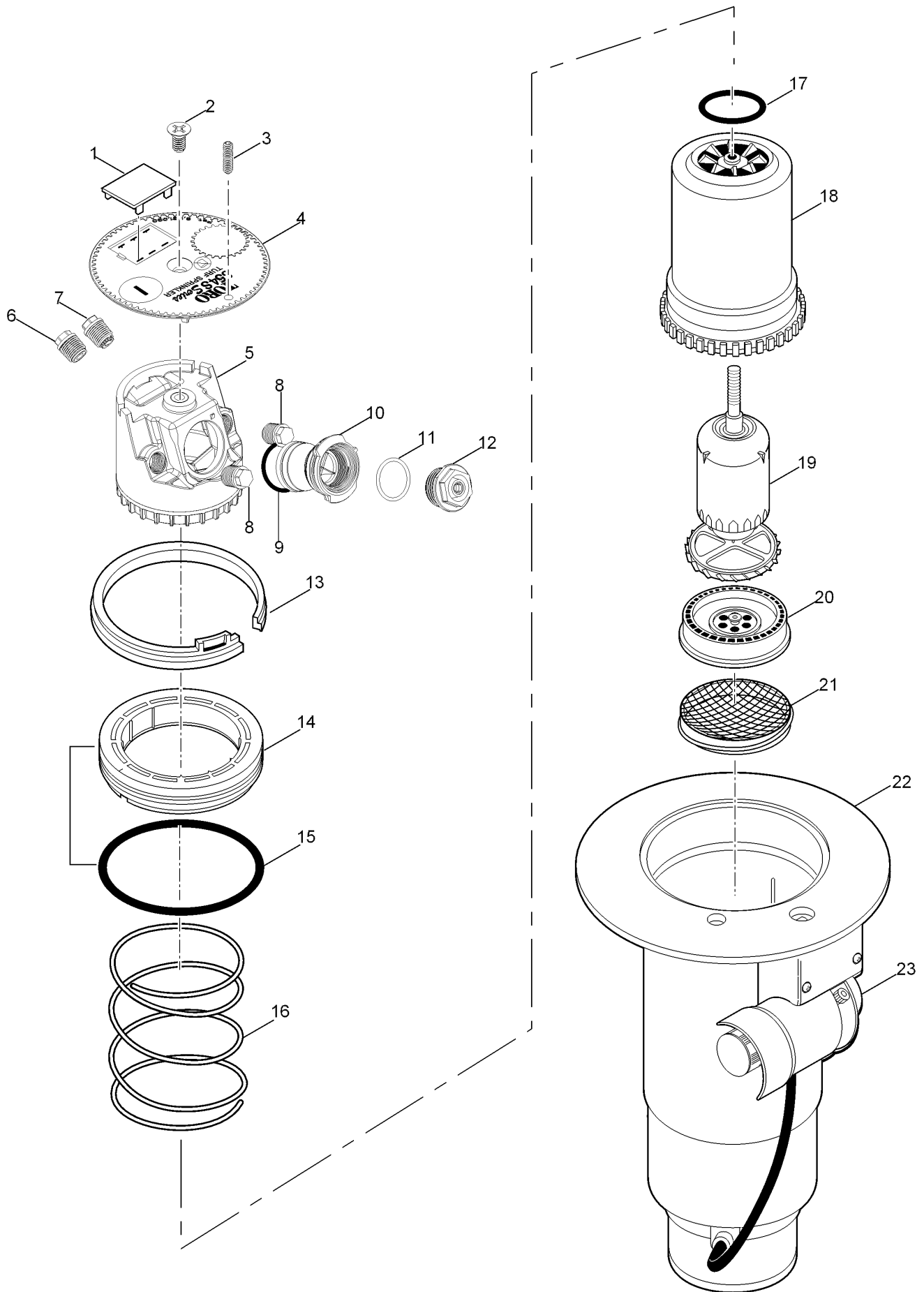
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■ SERVICE TOOLS

◆ Not serviced separately

○ See Golf Sprinkler Body Assembly Section.

854S Series Sprinkler - August 2007 - Present



854S Series Sprinkler - August 2007 - Present (continued)

Ref.	Part Number	Qty.	Description	Ref.	Part Number	Qty.	Description
1	89-1589	1	Plug, Cap (Black)	20	102-1940	1	Stator Assembly, Medium Flow, White (Used W/ #5-#8 Mains)
2	102-0362	1	Screw, Cap	20	102-1941	1	Stator Assembly, High-Flow, White (Used W/ #9 Main)
3	363-4839	1	Radius Reduction Screw	21	102-1715	1	Screen, Riser
4	102-5587	1	Cap, 854S	22		1	Body Assembly (See Golf Sprinkler Body Assembly Section) ◊ ◆
4	102-5591	1	Cap, 854S, Effluent	23		1	Pilot Valve Assembly (See Pilot Valve Assembly Section) ◻ ◆
5	102-5837	1	Nozzle Base Assembly		102-5674		Cap, Blank ● ▲
6	102-2925	1	Intermediate Nozzle, Blue (Used W/ #1 Main)		102-5675		Cap, Blank, Effluent ● ▲
6	102-2926	1	Intermediate Nozzle, Orange (Used W/ #2 Main)		102-0950		Adapter, Conversion ● ▲
6	102-2928	1	Intermediate Nozzle, Red (Used W/ #3 Main)		102-5011		Adapter, Conversion, 690 ▶ ▲
6	102-2929	1	Intermediate Nozzle, Beige (Used W/ #4 & #5 Mains)		YARDMARKYEL	10	Yardage Marker, Yellow (10-Sheets Per Pack) ● ▲
6	102-6944	1	Intermediate Nozzle Assy., Red W/ Stream Straightener (Used W/ #6 Main)		YARDMARKLAV	10	Yardage Marker, Lavender (For Non-Potable Water Applications) ● ▲
6	102-6945	1	Intermediate Nozzle Assy., Gray W/ Stream Straightener (Used W/ #7-#9 Mains)		854S-5154		Conversion Assembly, 854S W/ #51, 52, 53, 54 Nozzles ▲ ▶
6	102-6883	1	Intermediate Nozzle, Brown (Used W/ #7 & #8 Mains, Front Position, Right Of Main)		854S-5154E		Conversion Assembly, 854S W/ #51, 52, 53, 54 Nozzles, Effluent ▲ ▶
7	102-6937	1	Nozzle Assy. Inner, Yellow Nozzle W/ Yellow Helical Restrictor		854S-5558		Conversion Assembly, 854S W/ #55, 56, 57, 58 Nozzles ▲ ▶
8	102-4335	2	Plug, Nozzle		854S-5558E		Conversion Assembly, 854S W/ #55, 56, 57, 58 Nozzles, Effluent ▲ ▶
9	102-5978	1	O-Ring, Nozzle Housing		854S-59		Conversion Assembly, 854S W/ #59 Nozzle ▲ ▶
10	102-5597	1	Nozzle Housing Assy. (Includes Item 9)		854S-59E		Conversion Assembly, 854S W/ #59 Nozzle, Effluent ▲ ▶
11	363-4978	1	O-Ring, Main Nozzle		995-09		Valve Removal Tool ■ ▲
12	102-0725	1	Nozzle, Main, #1, Yellow		995-101		Valve Insertion Tool ■ ▲
12	102-7001	1	Nozzle, Main, #2, Blue		995-15		Selector Tool (Flag Key) ■ ▲
12	102-0727	1	Nozzle, Main, #3, Brown		995-99		Nut Driver, 5/8" (For Main Nozzle) ■ ▲
12	102-7002	1	Nozzle, Main, #4, Orange		995-105		Nut Driver, 5/16" (For Inner & Intermediate Nozzles And Plugs) ■ ▲
12	102-6908	1	Nozzle, Main, #5, Green		995-83		Multi-Purpose Tool ■ ▲
12	102-0730	1	Nozzle, Main, #6, Gray		995-85		Riser Removal Tool ■ ▲
12	102-4261	1	Nozzle, Main, #7, Black		995-100		Valve Snap Ring Pliers With Screen Remover ■ ▲
12	102-4260	1	Nozzle, Main, #8, Red		995-102		Riser Hold-Up Tool, Universal ■ ▲
12	102-4259	1	Nozzle, Main, #9, Beige		118-0954	1	Riser Hold-Up Tool, Red ■ ▲
13	35-6119	1	Snap Ring, Riser				
14	102-0136	1	Retainer, Seal, 1.5"				
15	363-4103	1	O-Ring, Body				
16	102-0151	1	Spring, Return				
17	363-4167	1	O-Ring, Nozzle Base				
18	102-0203	1	Riser				
19	102-4503	1	Drive Assembly, 12-Pack				
20	102-6929	1	Stator, Low Flow, High Velocity, Blue (Used W/ #1-#4 Mains)				

● SERVICE ITEMS

▲ Not illustrated

◻ See Pilot Valve Assembly Section.

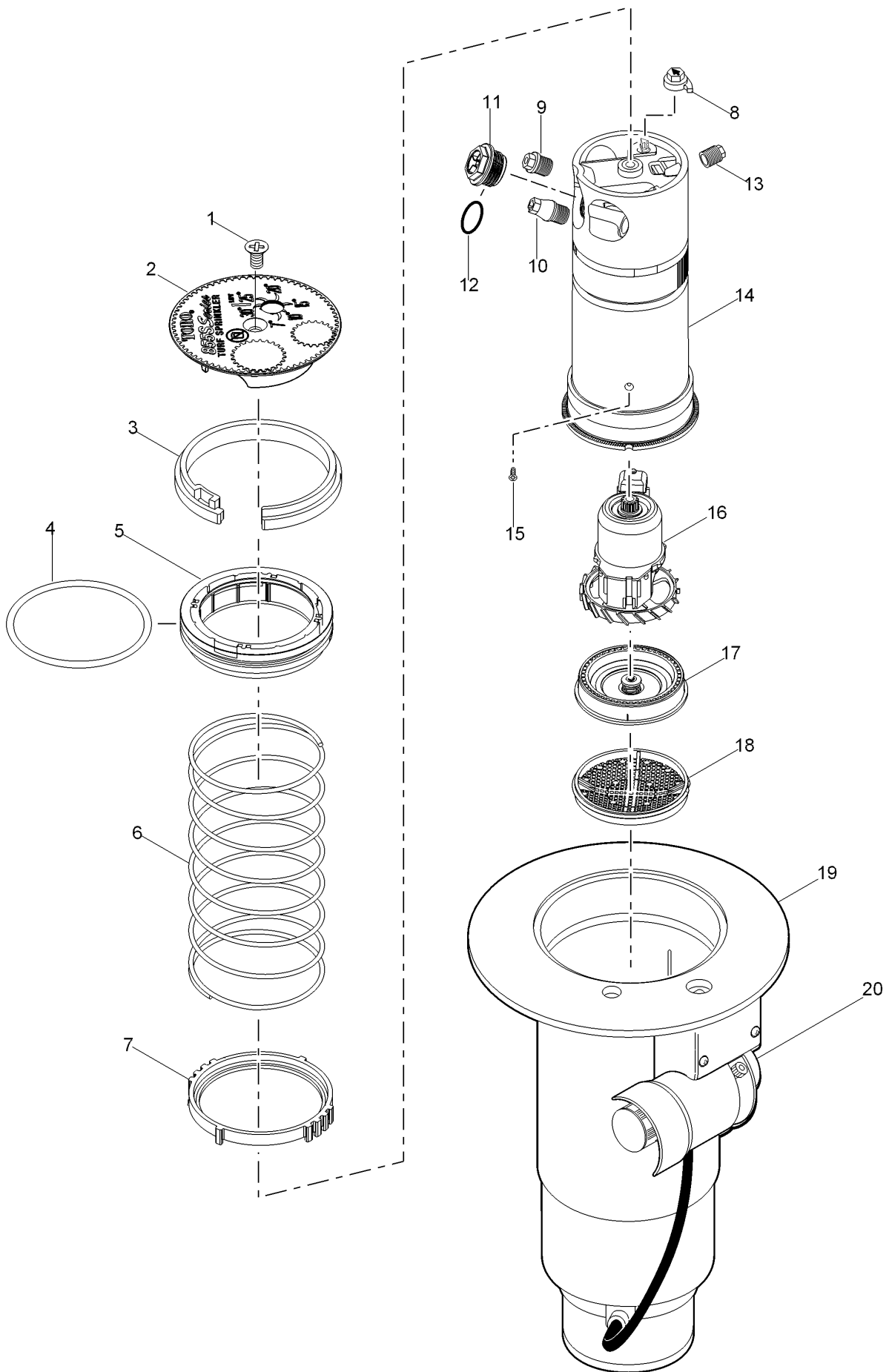
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■ SERVICE TOOLS

◆ Not serviced separately

○ See Golf Sprinkler Body Assembly Section.

855S Series Sprinkler



855S Series Sprinkler (continued)

Ref.	Part Number	Qty.	Description	Ref.	Part Number	Qty.	Description
1	102-6138	1	Screw, Cap, Black		102-4337		Stream Straightener, Intermediate Nozzle ●▲
2	102-2296	1	Cap, 855S				▲
2	102-2496	1	Cap, Effluent, 855S	102-2041			Restrictor, Yellow, Inner Nozzle ●▲
3	35-6119	1	Snap Ring, Riser	102-2497			Cap, Blank, 855S ●▲
4	363-4103	1	O-Ring, Body	102-2498			Cap, Blank, Effluent, 855S ●▲
5	102-0136	1	Retainer, Seal, 1.5"	102-0950			Adapter, Conversion ●▲
6	102-0151	1	Spring, Return	102-5011	1		Adapter, Conversion, 690 ▶▲
7	102-4967	1	Ratchet Ring, 1.5"	YARDMARKYEL	10		Yardage Marker, Yellow (10-Sheets Per Pack) ●▲
8	102-5971	1	Trajectory Adjuster	YARDMARKLAV	10		Yardage Marker, Lavender (For Non-Potable Water Applications) ●▲
9	102-2925	1	Intermediate Nozzle, Blue (Use W/ #1, #5, #6 #8 & #9 Mains)	855S-5154			Conversion Assembly, 855S W/ #51, 52, 53, 54 Nozzles ▶▲
9	102-2926	1	Intermediate Nozzle, Orange (Use W/ #3, #4 & #7 Mains)	855S-5154E			Conversion Assembly, 855S W/ #51, 52, 53, 54 Nozzles, Effluent ▶▲
9	102-2928	1	Intermediate Nozzle, Red (Use W/ #2 Main)	855S-5558			Conversion Assembly, 855S W/ #55, 56, 57, 58 Nozzles ▶▲
10	102-2910	1	Nozzle Assembly, Inner	855S-5558E			Conversion Assembly, 855S W/ #55, 56, 57, 58 Nozzles, Effluent ▶▲
11	102-4587	1	Nozzle, Main, #1, Yellow	855S-59			Conversion Assembly, 855S W/ #59 ▶▲
11	102-4588	1	Nozzle, Main, #2, Blue	855S-59E			Conversion Assembly, 855S W/ #59, Effluent ▶▲
11	102-4589	1	Nozzle, Main, #3, Brown	995-09			Valve Removal Tool ■▲
11	102-0728	1	Nozzle, Main, #4, Orange	995-101			Valve Insertion Tool ■▲
11	102-0729	1	Nozzle, Main, #5, Green	995-15			Selector Tool (Flag Key) ■▲
11	102-0730	1	Nozzle, Main, #6, Gray	995-99			Nut Driver, 5/8" (For Main Nozzle) ■▲
11	102-4261	1	Nozzle, Main, #7, Black	995-105			Nut Driver, 5/16" (For Inner & Intermediate Nozzles And Plugs) ■▲
11	102-4260	1	Nozzle, Main, #8, Red	995-83			Multi-Purpose Tool ■▲
11	102-4259	1	Nozzle, Main, #9, Beige	995-85			Riser Removal Tool ■▲
12	363-4978	1	O-Ring, Main Nozzle	995-100			Valve Snap Ring Pliers With Screen Remover ■▲
13	102-4335	1	Plug, Nozzle	995-102			Riser Hold-Up Tool, Universal ■▲
14	102-2892	1	Riser Assembly	118-0954	1		Riser Hold-Up Tool, Red ■▲
15	363-4236	1	Screw, Drive				
16	102-4504	1	Drive Assy., 12-Pack				
17	102-1939	1	Stator Assembly, Low Flow, Yellow (Use W/ #1-#4 Mains)				
17	102-1940	1	Stator Assembly, Medium Flow, White (Use W/ #5-#8 Mains)				
17	102-1941	1	Stator Assembly, High-Flow, White (Use W/ #9 Main)				
18	102-1715	1	Screen, Riser				
19		1	Body Assembly (See Golf Sprinkler Body Assembly Section) ○◆				
20		1	Pilot Valve Assembly (See Pilot Valve Assembly Section) □◆				

● SERVICE ITEMS

▲ Not illustrated

□ See Pilot Valve Assembly Section.

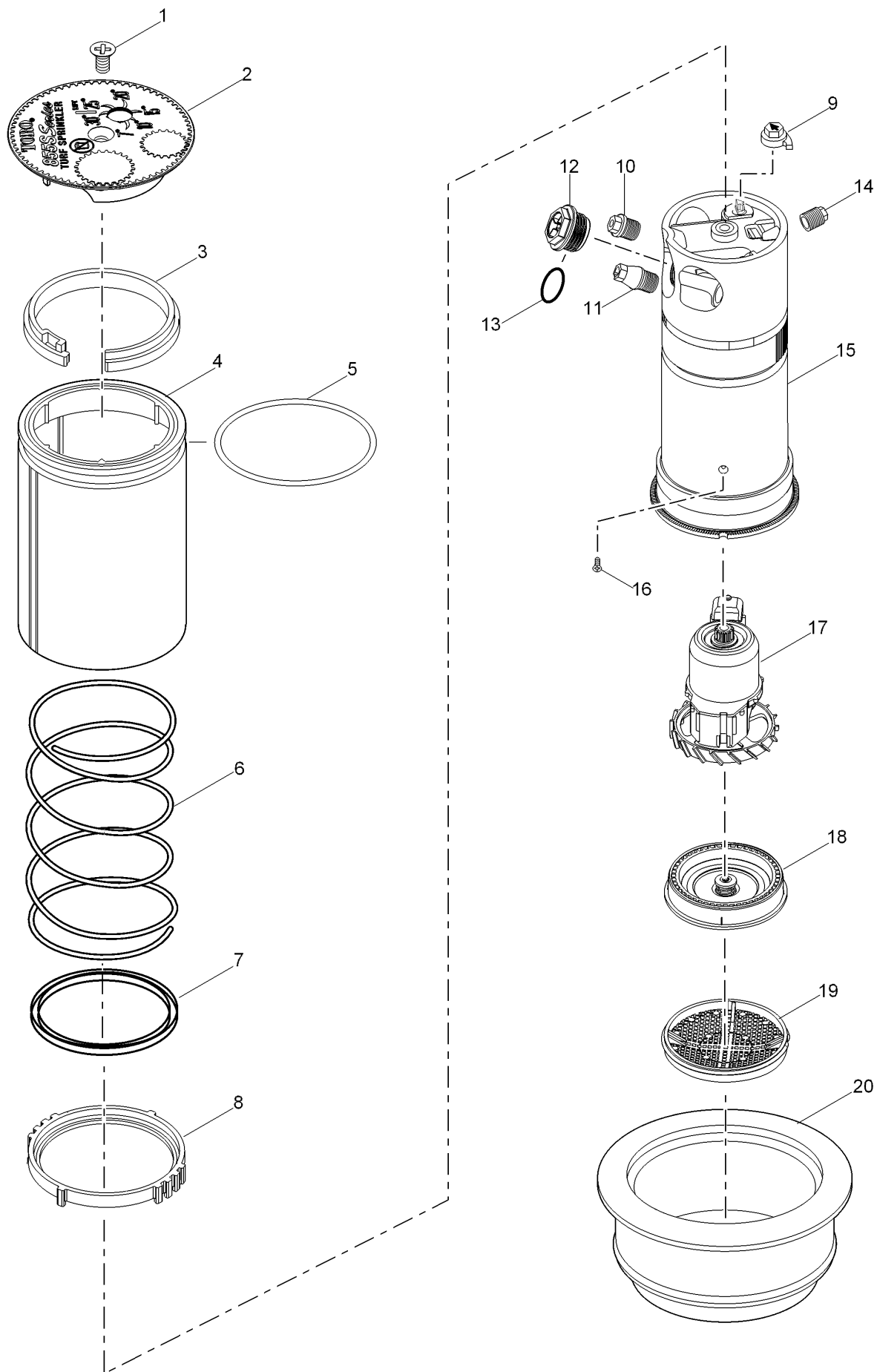
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■ SERVICE TOOLS

◆ Not serviced separately

○ See Golf Sprinkler Body Assembly Section.

855S Series Ribless Body, Conversion Assembly



855S Series Ribless Body, Conversion Assembly (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>	<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	102-6138	1	Screw, Cap, Black	18	102-1939	1	Stator Assembly, Low Flow, Yellow (Use W/ #1-#4 Mains)
2	102-2296	1	Cap, 855S	18	102-1940	1	Stator Assembly, Medium Flow, White (Use W/ #5-#8 Mains)
2	102-2496	1	Cap, Effluent, 855S	18	102-1941	1	Stator Assembly, High-Flow, White (Use W/ #9 Main)
3	35-6119	1	Snap Ring, Riser	19	102-1715	1	Screen, Riser
4	89-7568	1	Sleeve, Retainer, O-Ring, Conversion	20	102-0950	1	Adapter, Conversion
5	363-4103	1	O-Ring, Body		102-4337		Stream Straightener, Intermediate Nozzle ●▲
6	102-0151	1	Spring, Return		102-2041		Restrictor, Yellow, Inner Nozzle ●▲
7	89-7569	1	Seal, Riser		102-2497		Cap, Blank, 855S ●▲
8	102-2619	1	Ratchet Ring, 1"		102-2498		Cap, Blank, Effluent, 855S ●▲
9	102-5971	1	Trajectory Adjuster		995-09		Valve Removal Tool ■▲
10	102-2925	1	Intermediate Nozzle, Blue (Use W/ #1, #5, #6, #8 & #9 Mains)		995-101		Valve Insertion Tool ■▲
10	102-2926	1	Intermediate Nozzle, Orange (Use W/ #3, #4 & #7 Mains)		995-15		Selector Tool (Flag Key) ■▲
10	102-2928	1	Intermediate Nozzle, Red (Use W/ #2 Main)		995-99		Nut Driver, 5/8" (For Main Nozzle) ■▲
11	102-2910	1	Nozzle Assembly, Inner		995-105		Nut Driver, 5/16" (For Inner & Intermediate Nozzles And Plugs) ■▲
12	102-4587	1	Nozzle, Main, #1, Yellow		995-83		Multi-Purpose Tool ■▲
12	102-4588	1	Nozzle, Main, #2, Blue		995-85		Riser Removal Tool ■▲
12	102-4589	1	Nozzle, Main, #3, Brown		995-100		Valve Snap Ring Pliers With Screen Remover ■▲
12	102-0728	1	Nozzle, Main, #4, Orange		995-102		Riser Hold-Up Tool, Universal ■▲
12	102-0729	1	Nozzle, Main, #5, Green		118-0954	1	Riser Hold-Up Tool, Red ■▲
12	102-0730	1	Nozzle, Main, #6, Gray				
12	102-4261	1	Nozzle, Main, #7, Black				
12	102-4260	1	Nozzle, Main, #8, Red				
12	102-4259	1	Nozzle, Main, #9, Beige				
13	363-4978	1	O-Ring, Main Nozzle				
14	102-4335	1	Plug, Nozzle				
15	102-2892	1	Riser Assembly				
16	363-4236	1	Screw, Drive				
17	102-4504	1	Drive Assy., 12-Pack				

● SERVICE ITEMS
▲ Not illustrated

■ SERVICE TOOLS



Count on it.