

Graco Husky 515/716

## Husky 515 and Husky 716 Pump Matrix

Your Model No. is marked on the pump's serial plate. To determine a pump Model No. from the following matrix, select the six digits that describe the pump, working from left to right. The first digit is always **D**, designating Husky diaphragm pumps. The remaining five digits define the air motor type and the materials of construction. For example, a pump with a standard air motor, acetal fluid section, acetal seats, PTFE balls, and PTFE diaphragms is Model **D 5 1 2 1 1**.

Column 1	Column 2	Column 3	Column 4	Column 5	Column 6
<b>Diaphragm Pump</b>	<b>Air Motor</b>	<b>Fluid Section</b>	<b>Guides</b>	<b>Balls</b>	<b>Diaphragms</b>
<b>D</b> (for all pumps)	<b>4</b> (Husky 515/716; remote-operated)	<b>1</b> (acetal) Husky 515, NPT	<b>2</b> (acetal)	<b>1</b> (PTFE)	<b>1</b> (PTFE)
	<b>5</b> (Husky 515/716; standard)	<b>2</b> (polypropylene) Husky 515, NPT	<b>3</b> (316 sst)	<b>3</b> (316 sst)	
		<b>3</b> (aluminum) Husky 716, NPT	<b>9</b> (polypropylene)	<b>5</b> (TPE)	<b>5</b> (TPE)
		<b>4</b> (Stainless Steel) Husky 716, NPT	<b>A</b> (PVDF)	<b>6</b> (Santoprene®)	<b>6</b> (Santoprene®)
		<b>5</b> (PVDF) Husky 515, NPT	<b>D</b> (duckbill)	<b>7</b> (buna-N)	<b>7</b> (buna-N)
		<b>A</b> (acetal) Husky 515, BSPT		<b>8</b> (fluoroelastomer)	<b>8</b> (fluoroelastomer)
		<b>B</b> (polypropylene) Husky 515, BSPT			
		<b>C</b> (aluminum) Husky 716, BSPT			
		<b>D</b> (stainless steel) Husky 716, BSPT			
	<b>E</b> (PVDF) Husky 515, BSPT				

**Note:** The following models have ports that open downward. See page 23.

- Husky 515: 241564, 241565, and 241484
- Husky 716: 243305, 243306, 243307, 246485

**Note:** The following models have Heavy Duty Overmolded PTFE/EPDM Diaphragms. See page 23.

- Husky 515: 24N093–24N098
- Husky 716: 24N257–24N262

## Husky 515 and Husky 716 Repair Kits

**NOTE:** Order Repair Kits separately.

To order the Air Valve Repair Kit, order **Part No. 241657**.

To order the Fluid Section Repair Kit, order **Part No. D05 \_ \_ \_**. For the last three digits, use the last three digits of your pump Model No.

The guides in **Part No. D\_\_3\_\_** pumps are powdered 316 stainless steel. Machined 316 stainless steel guides are available separately in a kit, **Part No. 24F846**.

**Part No. 24N320:** Husky 515/716 HD Overmolded PTFE/EPDM Diaphragm Repair Kit

**Part No. 24N321:** Husky 515/716 HD overmolded PTFE/EPDM Diaphragm Repair Kit, with new air side diaphragm plates.

## Additional Husky 515 and Husky 716 Pumps

### Model 241564, 515 pump

Same as the D51211 pump, but with an open downward port.

### Model 241565, 515 pump

Same as the D52911 pump, but with an open downward port.

### Model 248171, 515 pump

Same as the D51277 pump, except with split inlets/outlets.

### Model 248172, 515 pump

Same as the D51255 pump, except with split inlets/outlets.

### Model 248173, 515 pump

Same as the D52977 pump, except with split inlets/outlets.

### Model 248174, 515 pump

Same as the D52955 pump, except with split inlets/outlets.

### Model 246484, 515 pump

Same as the D51331 pump, but with an open downward port. Use inlet manifold 241558.

### Model 24G745, 515 pump

Same as the D5B981 pump, but with BSPP threads.

### Model 246485, 716 pump

Same as the D53331 pump, but with an open downward port. Use inlet manifold 190246.

### Model 243305, 716 pump

Same as the D53266 pump, but with an open downward port. Use inlet manifold 190246.

### Model 243306, 716 pump

Same as the D53277 pump, but with an open downward port. Use inlet manifold 190246.

### Model 243307, 716 pump

Same as the D53211 pump, but with an open downward port. Use inlet manifold 190246.

### Model 257447, 716 pump

Same as the D54311 pump, but tested for use with moisture-sensitive materials.

### Model 24B674, 716 pump

Same as the D54311 pump

## Pumps with Overmolded Diaphragms

### Model 24N093, 515 pump

Same as the D5291\_ pump, but with overmolded diaphragm parts shown in table.

### Model 24N094, 515 pump

Same as the D5B91\_ pump, but with overmolded diaphragm parts shown in table.

### Model 24N095, 515 pump

Same as the D55A1\_ pump, but with overmolded diaphragm parts shown in table.

### Model 24N096, 515 pump

Same as the D5121\_ pump, but with overmolded diaphragm parts shown in table.

### Model 24N097, 515 pump

Same as the D5133\_ pump, but with overmolded diaphragm parts shown in table.

### Model 24N098, 515 pump

Same as the D5A21\_ pump, but with overmolded diaphragm parts shown in table.

### Model 24N257, 716 pump

Same as the D5321\_ pump, but with overmolded diaphragm parts shown in table.

### Model 24N258, 716 pump

Same as the D5331\_ pump, but with overmolded diaphragm parts shown in table.

### Model 24N259, 716 pump

Same as the D5333\_ pump, but with overmolded diaphragm parts shown in table.

### Model 24N260, 716 pump

Same as the D5421\_ pump, but with overmolded diaphragm parts shown in table.

### Model 24N261, 716 pump

Same as the D5431\_ pump, but with overmolded diaphragm parts shown in table.

### Model 24N262, 716 pump

Same as the D5433\_ pump, but with overmolded diaphragm parts shown in table.

Ref.	Part	Description	Qty.
6	16M001	PLATE, air side	2
115	———	not used	0
133	———	not used	0
140	———	not used	0
401	16H679	DIAPHRAGM, HD, overmolded, PTFE/EPDM, with setscrew	2
402	———	not used	0

# Husky 515 and Husky 716 Common Parts

See the Pump Matrix on page 22 for an explanation of the **Matrix Column** and the **Digit**.

## Air Motor Parts List (Matrix Column 2)

Digit	Ref. No.	Part No.	Description	Qty
5	1†	114866	PACKING, o-ring	2
	2†	108808	PACKING, u-cup	2
	3	112933	MUFFLER	1
	4†	162942	PACKING, o-ring	2
	6	195025	PLATE, diaphragm, air side	2
	7†	15Y825	PLUNGER, carriage	2
	8†	192595	CARRIAGE	2
	9†	192596	PIN, carriage	2
	10	192597	COVER, valve chamber	1
	11	192602	HOUSING, center	1
	11*	194380	HOUSING, center	1
	12†	192765	GASKET	2
	13	194247	COVER, exhaust	1
	14†	194269	PLATE, valve	1
	15	192601	SHAFT, diaphragm	1
16*	115671	CONNECTOR, male	2	

## Guide Parts List (Matrix Column 4)

Digit	Ref. No.	Part No.	Description	Qty
2	201‡	186691	GUIDE; acetal	4
	202‡	186692	STOP; acetal	4
3	201‡	187242	GUIDE; sst	4
	202‡	187243	STOP; sst	4
9	201‡	186776	GUIDE; polypropylene	4
	202‡	186777	STOP; polypropylene	4
A	201‡	192665	GUIDE; PVDF	4
	202‡	192668	STOP; PVDF	4

D	201‡	192138	SPACER	4
	202‡	192137	VALVE, duckbill	4

## Ball Parts List (Matrix Column 5)

Digit	Ref. No.	Part No.	Description	Qty
1	301‡	108639	BALL; PTFE	4
3	301‡	103462	BALL; sst	4
5	301‡	112945	BALL; TPE	4
6	301‡	112946	BALL; Santoprene®	4
7	301‡	108944	BALL; buna-N	4
8	301‡	112959	BALL; fluoroelastomer	4

## Diaphragm Parts List (Matrix Column 6)

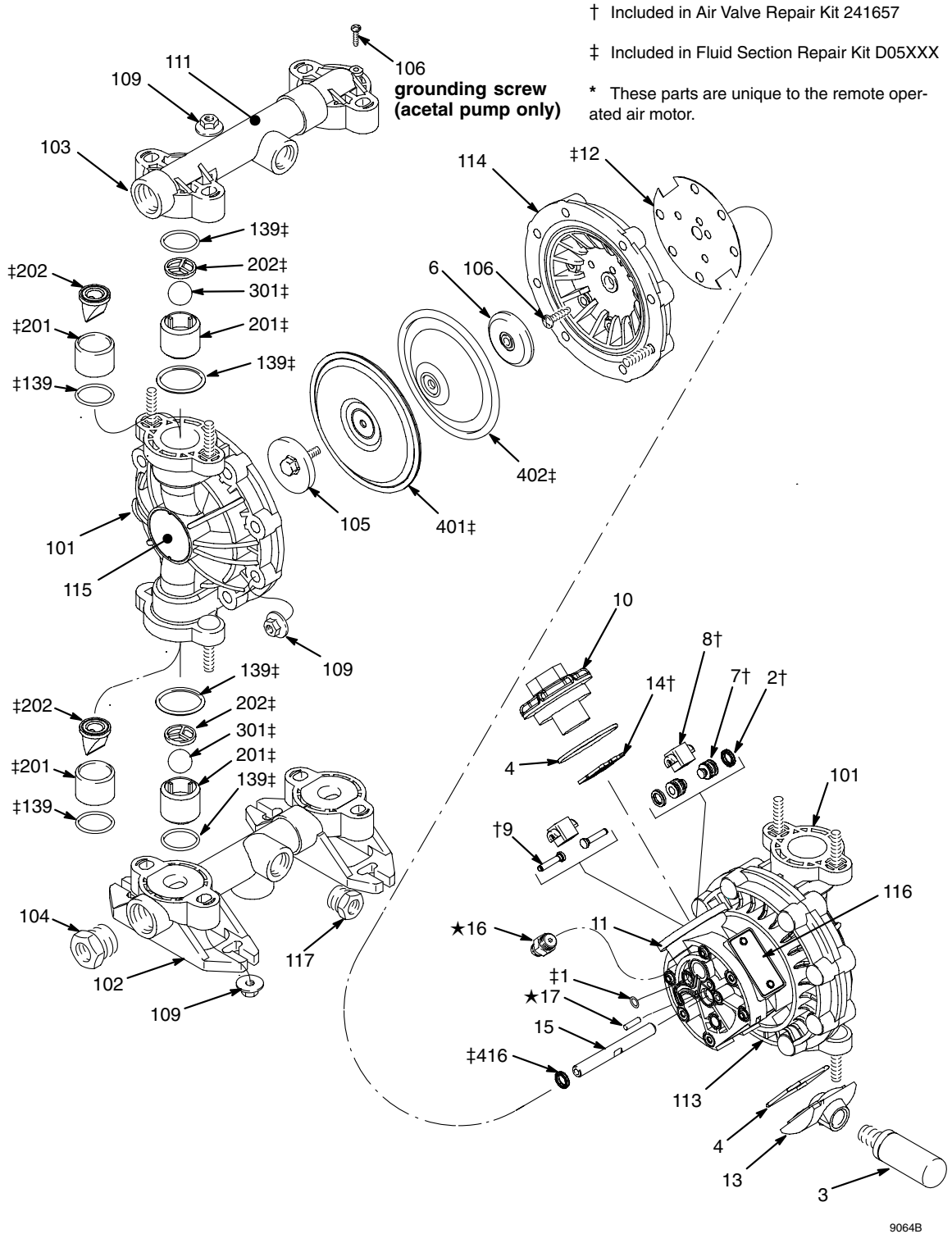
Digit	Ref. No.	Part No.	Description	Qty
1	416‡	108808	PACKING, u-cup	2
	401‡	108839	DIAPHRAGM; PTFE	2
	402‡	183542	DIAPHRAGM, backup; polyurethane	2
5	416‡	108808	PACKING, u-cup	2
	401‡	189537	DIAPHRAGM; TPE	2
6	416‡	108808	PACKING, u-cup	2
	401‡	189536	DIAPHRAGM; Santoprene®	2
7	416‡	108808	PACKING, u-cup	2
	401‡	190148	DIAPHRAGM; buna-N	2
8	416‡	108808	PACKING, u-cup	2
	401‡	190149	DIAPHRAGM; fluoroelastomer	2

† Included in Air Valve Repair Kit 241657

‡ Included in Fluid Section Repair Kit D05XXX

\* These parts are unique to the remote operated air motor.

# Husky 515 Parts Drawing



# Husky 515 Fluid Section Parts List

See the Pump Matrix on page 22 for an explanation of the **Matrix Column** and the **Digit**.

See page 24 for Air Motor Parts List (Matrix Column 2)

## Husky 515 Fluid Section Parts List (Matrix Column 3)

Ref. No.	Acetal Pumps Digit: 1 (NPT) Digit: A (BSPT)			Polypropylene Pumps Digit: 2 (NPT) Digit: B (BSPT)			PVDF Pumps Digit: 5 (NPT) Digit: E (BSPT)		
	Part No.	Description	Qty	Part No.	Description	Qty	Part No.	Description	Qty
101	192559	COVER, fluid; acetal	2	192558	COVER, fluid; polypropylene	2	192560	COVER, fluid; PVDF	2
102	192571	MANIFOLD, inlet; acetal; NPT	1	192570	MANIFOLD, inlet; polypropylene; NPT	1	192572	MANIFOLD, inlet; PVDF; NPT	1
102	192576	MANIFOLD, inlet; acetal; BSPT	1	192575	MANIFOLD, inlet; polypropylene; BSPT	1	192577	MANIFOLD, inlet; PVDF; BSPT	1
102*	241558	MANIFOLD, inlet; open downspout, acetal; NPT	1	241557	MANIFOLD, inlet; open downspout, polypropylene; NPT	1		Not applicable to PVDF pumps	
102				124847	MANIFOLD, inlet; polypropylene; BSPP	1			
103	192562	MANIFOLD, outlet; acetal; NPT	1	192561	MANIFOLD, outlet; polypropylene; NPT	1	192563	MANIFOLD, outlet; PVDF; NPT	1
103	192567	MANIFOLD, outlet; acetal; BSPT	1	192566	MANIFOLD, outlet; polypropylene; BSPT	1	192568	MANIFOLD, outlet; PVDF; BSPT	1
103				124848	MANIFOLD, outlet; polypropylene; BSPP	1			
104	194362	PLUG; acetal; 3/4 NPT	2	194361	PLUG; polypropylene; 3/4 NPT	2	194363	PLUG; PVDF; 3/4 NPT	2
104	194368	PLUG; acetal; 3/4 BSPT	2	194367	PLUG; polypropylene; 3/4 BSPT	2	194369	PLUG; PVDF; 3/4 BSPT	2
105	187711	PLATE, diaphragm, fluid; acetal	2	187712	PLATE, diaphragm, fluid; polypropylene	2	192679	PLATE, diaphragm, fluid; PVDF	2
106	114882	SCREW, torx	13	114882	SCREW, torx	12	114882	SCREW, torx	12
109	114850	NUT, hex, large flng	24	114850	NUT, hex, large flng	24	114850	NUT, hex, large flng	24
111	187732	LABEL, warning	1	187732	LABEL, warning	1	187732	LABEL, warning	1
113	192599	COVER, air, right	1	192599	COVER, air, right	1	192599	COVER, air, right	1
114	192600	COVER, air, left	1	192600	COVER, air, left	1	192600	COVER, air, left	1
115	194352	LABEL, identification	2	194352	LABEL, identification	2	194352	LABEL, identification	2
116	290045	PLATE, designation	1	290045	PLATE, designation	1	290045	PLATE, designation	1
117	194359	PLUG; acetal; 1/2 NPT	2	194358	PLUG; polypropylene; 1/2 NPT	2	194360	PLUG; PVDF; 1/2 NPT	2
117	194365	PLUG, acetal; 1/2 BSPT	2	194364	PLUG; polypropylene; 1/2 BSPT	2	194366	PLUG; PVDF; 1/2 BSPT	2
119	111183	RIVET (for plate 116)	2	111183	RIVET (for plate 116)	2	111183	RIVET (for plate 116)	2
139 ‡	114849	PACKING, o-ring; encapsulated	8	114849	PACKING, o-ring; encapsulated	8	114849	PACKING, o-ring; encapsulated	8

\* Inlet manifolds with downspouts are used on pump models 241564, 241565, and 246484 only.

26 308981



# Husky 716 Fluid Section Parts List

See the Pump Matrix on page 22 for an explanation of the **Matrix Column** and the **Digit**.

See page 24 for Air Motor Parts List (Matrix Column 2)

## Husky 716 Fluid Section Parts List (Matrix Column 3)

Ref. No.	Aluminum Pumps Digit: 3 (NPT) Digit: C (BSPT)			Stainless Steel (sst) Pumps Digit: 4 (NPT) Digit: D (BSPT)		
	Part No.	Description	Qty	Part No.	Description	Qty
101	185622	COVER, fluid; aluminum	2	187241	COVER, fluid; sst	2
102*	185624	MANIFOLD; aluminum; NPT	2	187244	MANIFOLD; sst	2
102	192061	MANIFOLD; aluminum; BSPT	2	192060	MANIFOLD; sst; BSPT	2
102	190246	MANIFOLD; aluminum; NPT	2			
103	189220	LABEL, warning	1	189220	LABEL, warning	1
105	112912	SCREW; 3/8–16; 2.25 in. (57.2 mm)	8	112912	SCREW; 3/8–16; 2.25 in. (57.2 mm)	8
106	112913	NUT, hex; 3/8–16; sst	8	112913	NUT, hex; 3/8–16; sst	8
107	112914	WASHER, flat; 3/8 in.; sst	4	112914	WASHER, flat; 3/8 in.; sst	4
108	186207	BASE, feet	2	186207	BASE, feet	2
109	189540	CLAMP, vee	2	189540	CLAMP, vee	2
110	112499	NUT, clamp; 1/4–28	2	112499	NUT, clamp; 1/4–28	2
111	191079	STRIP, grounding	1	191079	STRIP, grounding	1
112	102726	PLUG, steel; NPT	2	111384	PLUG; sst; NPT	2
112	113989	PLUG, steel; BSPT	2	113990	PLUG; sst; BSPT	2
112	24H344	PLUG, sst; BSPP with seal	2			
115‡	110004	O-RING; PTFE	2	110004	O-RING; PTFE	2
117	186205	LABEL, warning	1			
121	102790	SCREW; 10–24; 0.31 in. (8 mm)	1	102790	SCREW; 10–24; 0.31 in. (8 mm)	1
122	100718	LOCKWASHER; #10	1	100718	LOCKWASHER; #10	1
123	100179	NUT, hex; 10–24	1	100179	NUT, hex; 10–24	1
133	191837	PLATE, diaphragm, fluid side; sst	2	16M908	PLATE, diaphragm, fluid side; sst machined	2
134	290045	PLATE, designation	1	290045	PLATE, designation	1
136	194246	COVER air	2	194246	COVER air	2
139‡	110636	O-RING; PTFE	8	110636	O-RING; PTFE	8
140	113747	SCREW, flange; hex head	2	113747	SCREW, flange; hex head	2
141	114882	SCREW, machine, torx	12	114882	SCREW, machine, torx	12
142	111183	RIVET (for plate 134)	2	111183	RIVET (for plate 134)	2

‡ Included in Fluid Section Repair Kit D05XXX

\*Pump model numbers 243305, 243306, 243307, and 246485 have one 190246 inlet manifold and one 185624 outlet manifold.

28 308981