

MAIL TO: P.O. BOX 16347 • Louisville, KY 40256-0347
SHIP TO: 3649 Cane Run Road • Louisville, KY 40211-1961
Tel: (502) 778-2731 • 1 (800) 928-PUMP

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Product information presented here reflects conditions at time of publication. Consult factory regarding discrepancies or inconsistencies.

REPLACEMENT PARTS LIST FOR MODELS:

M161 AUTOMATIC 115V

D161 AUTOMATIC 230V

N161 NONAUTOMATIC 115V

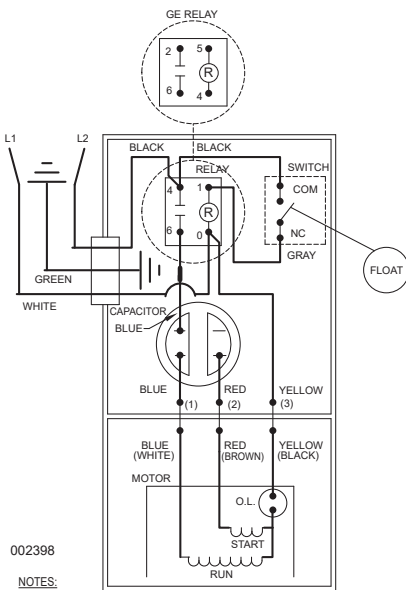
E161 NONAUTOMATIC 230V

Consult factory for all other Models

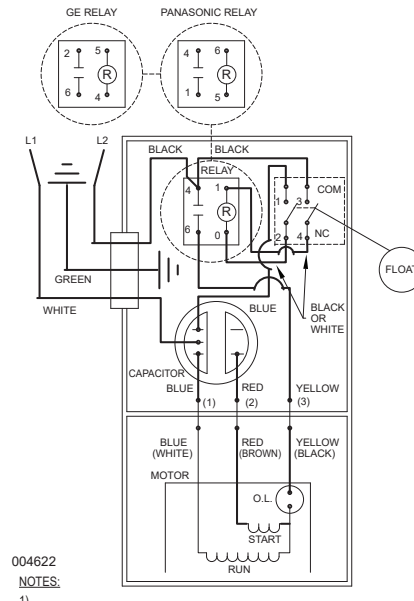
TO ORDER REPLACEMENT PARTS:

PLEASE FURNISH THE FOLLOWING INFORMATION:

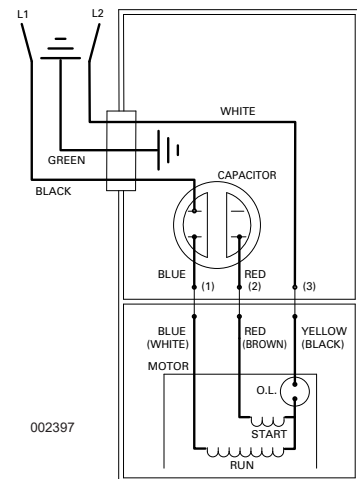
- Model Number.
- Part Number of Pump.
(If manufactured prior to June 1988, give 2 letter date code following Model No.)
- Part Number and Description of part.



INSULATORS REQUIRED ON GE RELAY TERMINALS 2 & 5;
OMRON RELAY TERMINALS 1 & 4.



1) INSULATORS REQUIRED ON GE RELAY TERMINALS 2 & 5;
OMRON RELAY TERMINALS 1 & 4.
PANASONIC RELAY TERMINALS 6 & 4.



WIRING DIAGRAM FOR MODELS
"M161-A" and "D161-A"
2/85 (NR) thru 8/86 (US)

WIRING DIAGRAM FOR MODELS
"M161-B", "M161-C", "M161-D", "M161-E", "M161-G"
"D161-B", "D161-D"
9/86 (VS) to Current

WIRING DIAGRAM FOR MODELS
"N161-A", "N161-B", "N161-C", "N161-D", "N161-E", "N161-F"
"E161-A", "E161-B", "E161-C"
2/85 (NR) to Current

REPLACEMENT PARTS LIST FOR MODELS “M161”

See page 6 for “M161” illustration.

REF. NO.	DESCRIPTION	QTY	NOTES	MODELS: M161-A		M161-B	M161-C	M161-D	M161-E	M161-F	M161-G	M161-H
				2/85 NR thru 8/86 US	9/86 VS thru 8/90	9/90 thru 10/98	11/98 thru 4/03	5/03 thru 11/09	12/09 thru 1/16	2/16 thru 2/25	3/25 thru Current	
1	CASE, SW.& CORD	1	2,3	002506	004746	006292	006292	014155	014155	014155	014155	
2	• HANDLE	1		217069	217069	217069	217069	217069	217069	217069	217069	
3	CORD, TERM & SEAL	1	3	002507	002507	006290	006290	014168	014168	014168	014168	
4	CLAMP, STRAIN RELIEF	1	3	001770	001770	NA	NA	013764	013764	013764	013764	
5	• SEAL, CORD-ASM & STR RLF	1	3	094032	094032	004375	004375	015634	015634	015634	015634	
6	CASE-MACH	1	2,3	004746	004614	004633	004633	014154	014154	014154	014154	
7	• GUARD	1		001023	001023	001023	001023	001023	001023	001023	001023	
8	• ARM & SEAL ASM	1	2	002379	004745	004745	004745	004745	004745	004745	004745	
9	• GASKET, CASE/COVER	1		001011	001011	001011	001011	001011	001011	001011	001011	
10	SWITCH ASM	1	2	002380	004744	004744	004744	004744	004744	004744	004744	
□	LEAD WIRE (GRAY)	1		002609	002609	002609	NA	NA	NA	NA	NA	
11	• WIRE PKG (5) WIRES	1		001070	004749	004749	004749	004749	004749	004749	004749	
12	CAPACITOR & CLAMP ASM	1		003575	003575	003575	003575	003575	003575	003575	003575	
13	RELAY	1		217092	217092	217092	217092	217092	217092	153832	153832	
14	FLOAT, PLASTIC	1		094039	094039	094039	094039	094039	094039	094039	094039	
15	GUIDE ASM, FLT ROD	1		001072	001072	001072	001072	001072	001072	001072	001072	
16	ROD ASM, FLT	1		003083	003083	003083	003083	003083	150439	150439	158668	
17	HOUSING, MTR-& STR	1	1,6	002497	002497	002497	002497	002497	150580	150580	150580	
18	BEARING, UPPER SLEEVE	1		001012	001012	001012	001012	001012	NA	NA	NA	
	BEARING, UPPER BALL	1		NA	NA	NA	NA	NA	006703	006703	006703	
19	• PLUG, TEST-WHITE	2		034090	034090	034090	034090	034090	034090	034090	034090	
20	• SEAL, THRU WALL TERM	3		003402	003402	003402	003402	003402	003402	003402	003402	
21	ROTOR & BRG	1	6	002701	002701	002701	002701	002701	150574	150574	150574	
22	BEARING, RADIAL	1		001013	001013	001013	001013	001013	010069	010069	010069	
23	• SEAL, MTR HSG	1		001014	001014	001014	001014	001014	001014	001014	001014	
24	• OIL, DIELECTRIC	1		002383	002383	002383	002383	003168	011066	011066	011066	
25	ADAPTER-MACH	1		001003	001003	001003	001003	001003	001003	001003	001003	
26	• SEAL, SHAFT	1		002430	002430	002430	002430	002430	002430	002430	002430	
27	FLANGE PKG 2" NPT	1		10-1305	10-1305	10-1305	10-1305	10-1305	10-1305	10-1305	10-1305	
	FLANGE PKG 3" NPT	1		10-1306	10-1306	10-1306	10-1306	10-1306	10-1306	10-1306	10-1306	
28	IMPELLER “161” BRONZE	1		004307	004307	004307	004307	004307	004307	004307	004307	
	IMPELLER “161” CAST IRON			NA	NA	NA	NA	NA	NA	157825	157825	
	IMPELLER “161” PLASTIC			NA	NA	NA	NA	NA	NA	159909	159909	
29	HOUSING,PUMP-MACH	1		004188	004188	004188	004188	004188	004188	004188	158894	
30	STRAINER PLATE	1		137008	137008	137008	137008	137008	137008	137008	137008	
31	• SCREW, .25-20 X .75 HHM-SS	4		001916	001916	001916	001916	001916	001916	001916	001916	
32	• SCREW, .313-18 X 1" HH CAP-SS	4		002608	002608	002608	002608	002608	002608	002608	002608	
33	• SCREW, #10-24 X.375 RHM-SL SS	2		001883	001883	001883	001883	001883	001883	001883	001883	
34	• SCREW, #6-32X.438 RHSLTP“1”STLZI	2		001877	004644	004644	004644	004644	004644	004644	004644	
35	• SEM, 10-24X.375HH-SL TC.688 WASH	2		002000	002000	002000	002000	002000	002000	002000	002000	
36	• WASHER, SS-1.25"ODX.562"IDX.078	2		002115	002115	002115	002115	002115	002115	002115	002115	
37	• SCREW, .5-13 X 2 HH CAP-SS	2		001909	001909	001909	001909	001909	001909	001909	001909	
38	• SCREW, #6-32X.25RHM SL TC STLGR	5		001877	001877	001877	001877	001877	001877	001877	001877	
39	• SCREW, .25-20X1" HHM-SS	4		007790	007790	007790	007790	007790	007790	007790	007790	
□	REBUILD KIT			002509	004747	004747	004747	016103	019647	019647	019647	

• Items included in Rebuild Kit.

□ Not shown in illustration.

NOTES:

- 1) Mtr. Hsg., Brg., Stator & Term. (Item 17) is preassembled at the factory and must be replaced as a unit. Stator is permanently attached to the Motor Housing. Plug (Item 19); Seal, Thru Wall Term. (Item 20) and Bearing - Upper (Item 18) are replaceable.
- 2) When ordering these parts, customer must identify if switch is a General Electric switch.
- 3) If an “X” follows Model No., or Date Mfg. on ID tag, consult factory for ordering of this part.
- 4) See FM0160 Parts Price Sheet for listing of parts prices.
- 5) “NA” indicates, not applicable.
- 6) When ordering specify either GE or Emerson Motor.

REPLACEMENT PARTS LIST FOR MODELS “D161”

See page 6 for “D161” illustration.

REF. NO.	DESCRIPTION	QTY	NOTES	MODELS: D161-A					D161-B	D161-C	D161-D	D161-E
				2/85 NR thru 8/86 US	9/86 VS thru 11/09	12/09 thru 1/16	2/16 thru 2/25	3/25 thru Current				
1	CASE, SW.& CORD	1	2,3	002378	004748	004748	004748	004748				
2	• HANDLE	1		217069	217069	217069	217069	217069				
3	CORD, TERM & SEAL	1	3	002429	002429	002429	002429	002429				
4	CLAMP, STRAIN RELIEF	1	3	001770	001770	001770	001770	001770				
5	• SEAL, CORD-ASM & STR RLF	1	3	094032	094032	094032	094032	094032				
6	CASE-MACH	1	2,3	001007	004614	004614	004614	004614				
7	• GUARD	1		001023	001023	001023	001023	001023				
8	• ARM & SEAL ASM	1	2	002379	004745	004745	004745	004745				
9	• GASKET, CASE/COVER	1		001011	001011	001011	001011	001011				
10	SWITCH ASM	1	2	002380	004744	004744	004744	004744				
11	• WIRE PKG (5) WIRES	1		001070	004749	004749	004749	004749				
12	CAPACITOR & CLAMP ASM	1		002381	002381	002381	002381	002381				
13	RELAY	1		217093	217093	217093	153833	153833				
14	FLOAT, PLASTIC	1		094039	094039	094039	094039	094039				
15	GUIDE ASM, FLT ROD	1		001072	001072	001072	001072	001072				
16	ROD ASM, FLT	1		003083	003083	150439	150439	158668				
17	HOUSING, MTR & STR	1	1,6	002504	002504	150582	150582	150582				
18	BEARING, SLEEVE	1		001012	001012	NA	NA	NA				
	BEARING, UPPER BALL	1		NA	NA	006703	006703	006703				
19	• PLUG, TEST-WHITE	2		034090	034090	034090	034090	034090				
20	• SEAL, THRU WALL TERM	3		003402	003402	003402	003402	003402				
21	ROTOR & BRG	1	6	002691	002691	150575	150575	150575				
22	BEARING, RADIAL	1		001013	001013	010069	010069	010069				
23	• SEAL, MTR HSG	1		001014	001014	001014	001014	001014				
24	• OIL, DIELECTRIC	1		002383	002383	011066	011066	011066				
25	ADAPTER-MACH	1		001003	001003	001003	001003	001003				
26	• SEAL, SHAFT	1		002430	002430	002430	002430	002430				
27	FLANGE PKG 2" NPT	1		10-1305	10-1305	10-1305	10-1305	10-1305				
	FLANGE PKG 3" NPT	1		10-1306	10-1306	10-1306	10-1306	10-1306				
28	IMPELLER "161" BRONZE	1		004307	004307	004307	004307	004307				
	IMPELLER "161" CAST IRON			NA	NA	NA	157825	157825				
	IMPELLER "161" PLASTIC			NA	NA	NA	159909	159909				
29	HOUSING,PUMP-MACH	1		004188	004188	004188	004188	158894				
30	STRAINER PLATE	1		137008	137008	137008	137008	137008				
31	• SCREW, .25-20 X .75 HHM-SS	4		001916	001916	001916	001916	001916				
32	• SCREW, .313-18 X 1" HH CAP-SS	4		002608	002608	002608	002608	002608				
33	• SCREW, #10-24 X.375 RHM-SL SS	2		001883	001883	001883	001883	001883				
34	• SCREW, #6-32X.438 RHLTP"1" STLZI	2		001877	004644	004644	004644	004644				
35	• SEM, 10-24X.375HH-SL TC.688 WASH	2		002000	002000	002000	002000	002000				
36	• WASHER, SS-1.25"ODX.562"IDX.078	2		002115	002115	002115	002115	002115				
37	• SCREW, .5-13 X 2 HH CAP-SS	2		001909	001909	001909	001909	001909				
38	• SCREW, #6-32X.25RHM SL TC STLGR	5		001877	001877	001877	001877	001877				
39	• SCREW, .25-20X1" HHM-SS	4		007790	007790	007790	007790	007790				
□	REBUILD KIT			002509	004747	019647	019647	019647				

• Items included in Rebuild Kit.

□ Not shown in illustration.

NOTES:

- 1) Mtr. Hsg., Brg., Stator & Term. (Item 17) is preassembled at the factory and must be replaced as a unit. Stator is permanently attached to the Motor Housing. Plug (Item 19); Seal, Thru Wall Term. (Item 20) and Bearing - Upper (Item 18) are replaceable.
- 2) When ordering these parts, customer must identify if switch is a General Electric switch.
- 3) If an "X" follows Model No., or Date Mfg. on ID tag, consult factory for ordering of this part.
- 4) See FM0160 Parts Price Sheet for listing of parts prices.
- 5) "NA" indicates, not applicable.
- 6) When ordering specify either GE or Emerson Motor.

REPLACEMENT PARTS LIST FOR MODELS “N161”

See page 6 for “N161” illustration.

REF. NO.	DESCRIPTION	QTY	NOTES	MODELS: N161-A		N161-B	N161-C	N161-D	N161-E	N161-F
				2/85 NR thru 8/86 US	9/86 VS thru 8/90	9/90 thru 10/98	11/98 thru 4/03	5/03 thru 11/09	12/09 thru Current	
1	• HANDLE	1		217069	217069	217069	217069	217069	217069	
2	COVER & CORD	1	2	002499	002499	006293	006293	014158	014158	
3	CORD, TERM, & SEAL	1	2	002508	002508	006291	006291	014169	014169	
4	CLAMP, STRAIN RELIEF	1	2	001770	001770	001770	001770	013764	013764	
5	SEAL ASM., CORD & STRAIN RELIEF	1	2	094032	094032	004375	004375	015634	015634	
6	COVER-MACH	1	2,3	001077	001077	004372	004372	014150	014150	
7	• GASKET, CASE/COVER	1		001011	001011	001011	001011	001011	001011	
8	• WIRE PKG (5) WIRES	1		001070	004749	004749	004749	004749	004749	
9	CAPACITOR & CLAMP ASM	1		003575	003575	003575	003575	003575	003575	
10	HOUSING, MTR & STR	1	1,5	002497	002497	002497	002497	002497	150580	
11	BEARING, SLEEVE	1		001012	001012	001012	001012	001012	NA	
	BEARING, UPPER BALL	1		NA	NA	NA	NA	NA	006703	
12	• PLUG, TEST-WHITE	2		034090	034090	034090	034090	034090	034090	
13	SEAL THRU WALL TERM	3		003402	003402	003402	003402	003402	003402	
14	ROTOR & BRG	1	5	002701	002701	002701	002701	002701	150574	
15	BEARING, RADIAL	1		001013	001013	001013	001013	001013	010069	
16	• SEAL, MTR HSG	1		001014	001014	001014	001014	001014	001014	
17	• OIL, DIELECTRIC	1		002383	002383	002383	002383	003168	011066	
18	ADAPTER-MACH	1		001003	001003	001003	001003	001003	001003	
19	• SEAL, SHAFT	1		002430	002430	002430	002430	002430	002430	
20	FLANGE PKG 2" NPT	1		10-1305	10-1305	10-1305	10-1305	10-1305	10-1305	
	FLANGE PKG 3" NPT	1		10-1306	10-1306	10-1306	10-1306	10-1306	10-1306	
21	IMPELLER "161" BRONZE	1		004307	004307	004307	004307	004307	004307	
	IMPELLER "161" CAST IRON			NA	NA	NA	NA	NA	157825	
	IMPELLER "161" PLASTIC			NA	NA	NA	NA	NA	159909	
22	HOUSING, PUMP-MACH	1		004188	004188	004188	004188	004188	004188	
23	STRAINER PLATE	1		137008	137008	137008	137008	137008	137008	
24	• SCREW, .25-20 X .75 HHM-SS	4		001916	001916	001916	001916	001916	001916	
25	• SCREW, .313-18 X 1" HH CAP-SS	4		002608	002608	002608	002608	002608	002608	
26	• SCREW, #10-24 X.375 RHM-SL SS	2		001883	001883	001883	001883	001883	001883	
27	• SEM, 10-24X.375HH-SL TC.688 WASH	2		002000	002000	002000	002000	002000	002000	
28	• SCREW, .5-13 X 2 HH CAP-SS	2		001909	001909	001909	001909	001909	001909	
29	• WASHER, SS-1.25" ODX.562" IDX.078	2		002115	002115	002115	002115	002115	002115	
30	• SCREW, #6-32X.25RHM SL TC STLGR	4		001877	001877	001877	001877	001877	001877	
31	• SCREW, .25-20X1" HHM-SS	4		007790	007790	007790	007790	007790	007790	
□	REBUILD KIT			002509	004747	004747	004747	014193	019648	

• Items included in Rebuild Kit.

□ Not shown in illustration.

NOTES:

- 1) Mtr. Hsg., Brg., Stator & Term. (Item 10) is preassembled at the factory and must be replaced as a unit. Stator is permanently attached to the Motor Housing. Plug (Item 12); Seal, Thru Wall Term. (Item 13) and Bearing - Upper (Item 15) are replaceable.
- 2) If an "X" follows Model No., or Date Mfg. on ID tag, consult factory for ordering of this part.
- 3) See FM0160 Parts Price Sheet for listing of parts prices.
- 4) "NA" indicates, not applicable.
- 5) When ordering specify either GE or Emerson Motor.

REPLACEMENT PARTS LIST FOR MODELS “E161”

See page 6 for “E161” illustration.

MODELS: E161-A E161-B E161-C						
REF. NO.	DESCRIPTION	QTY	NOTES	2/85 NR thru 8/86 US	9/86 VS thru 11/09	12/09 thru Current
1	• HANDLE	1		217069	217069	217069
2	COVER & CORD	1	2	002401	002401	002401
3	CORD, TERM, & SEAL	1	2	002402	002402	002402
4	CLAMP, STRAIN RELIEF	1	2	001770	001770	001770
5	SEAL ASM., CORD & STRAIN RELIEF	1	2	094032	094032	094032
6	COVER-MACH	1	2,3	001077	001077	001077
7	• GASKET, CASE/COVER	1		001011	001011	001011
8	• WIRE PKG (5) WIRES	1		001070	004749	004749
9	CAPACITOR & CLAMP ASM	1		002381	002381	002381
10	HOUSING, MTR- & STR	1	1,5	002504	002504	150582
11	BEARING, SLEEVE	1		001012	001012	NA
	BEARING, UPPER BALL	1		NA	NA	006703
12	• PLUG, TEST-WHITE	2		034090	034090	034090
13	SEAL THRU WALL TERM	3		003402	003402	003402
14	ROTOR & BRG	1	5	002701	002701	150575
15	BEARING, RADIAL	1		001013	001013	010069
16	• SEAL, MTR HSG	1		001014	001014	001014
17	• OIL, DIELECTRIC	1		002383	002383	011066
18	ADAPTER-MACH	1		001003	001003	001003
19	• SEAL, SHAFT	1		002430	002430	002430
20	FLANGE PKG 2" NPT	1		10-1305	10-1305	10-1305
	FLANGE PKG 3" NPT	1		10-1306	10-1306	10-1306
21	IMPELLER "161" BRONZE	1		004307	004307	004307
	IMPELLER "161" CAST IRON			NA	NA	157825
	IMPELLER "161" PLASTIC			NA	NA	159909
22	HOUSING, PUMP-MACH	1		004188	004188	004188
23	STRAINER PLATE	1		137008	137008	137008
24	• SCREW, .25-20 X .75 HHM-SS	4		001916	001916	001916
25	• SCREW, .313-18 X 1" HH CAP-SS	4		002608	002608	002608
26	• SCREW, #10-24 X.375 RHM-SL SS	2		001883	001883	001883
27	• SEM, 10-24X.375HH-SL TC.688 WASH	2		002000	002000	002000
28	• SCREW, .5-13 X 2 HH CAP-SS	2		001909	001909	001909
29	• WASHER, SS-1.25"ODX.562"IDX.078	2		002115	002115	002115
30	• SCREW, #6-32X.25RHM SL TC STLGR	4		001877	001877	001877
31	• SCREW, .25-20X1" HHM-SS	4		007790	007790	007790
□	REBUILD KIT			002509	004747	019648

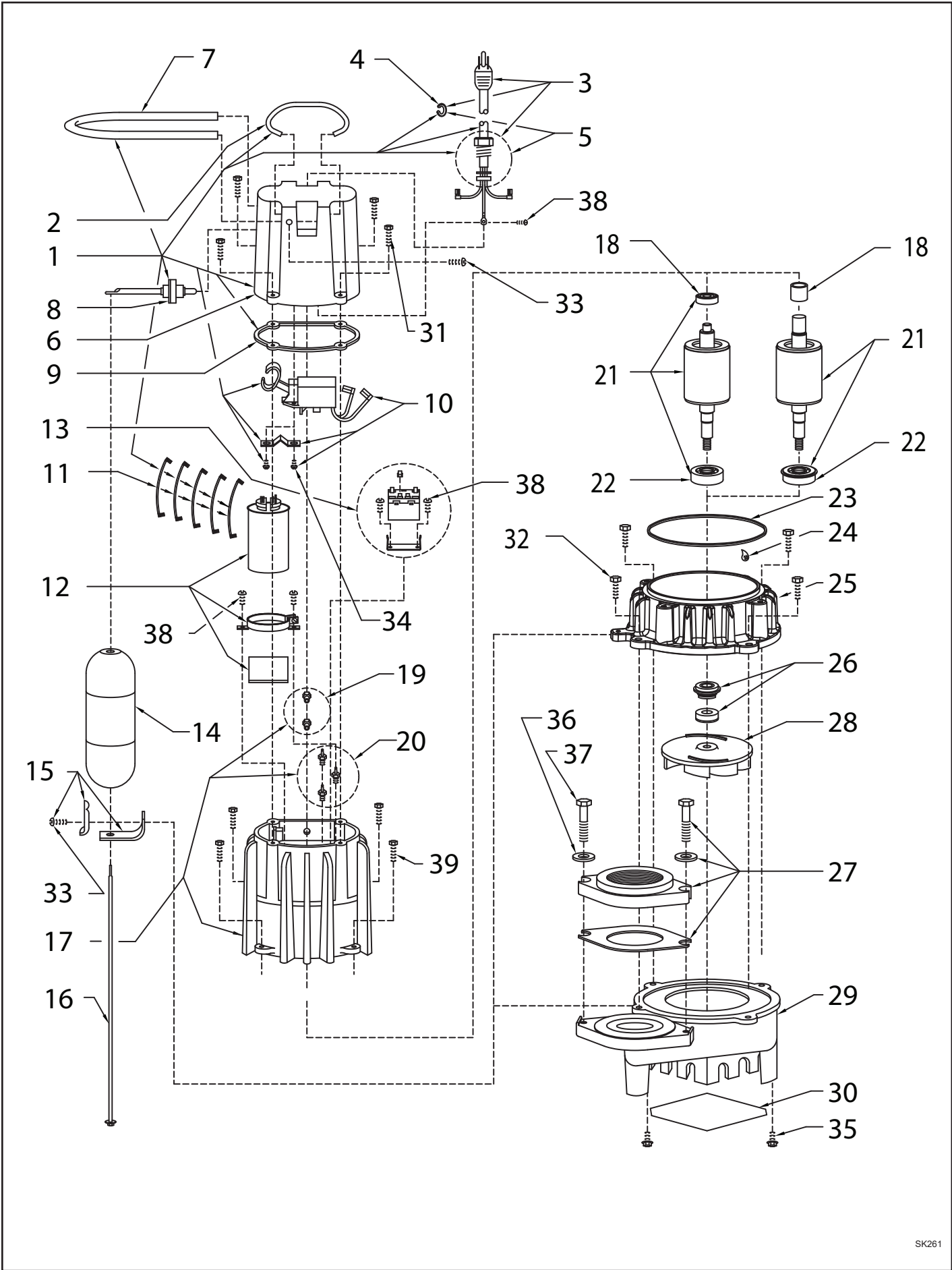
• Items included in Rebuild Kit.

□ Not shown in illustration.

NOTES:

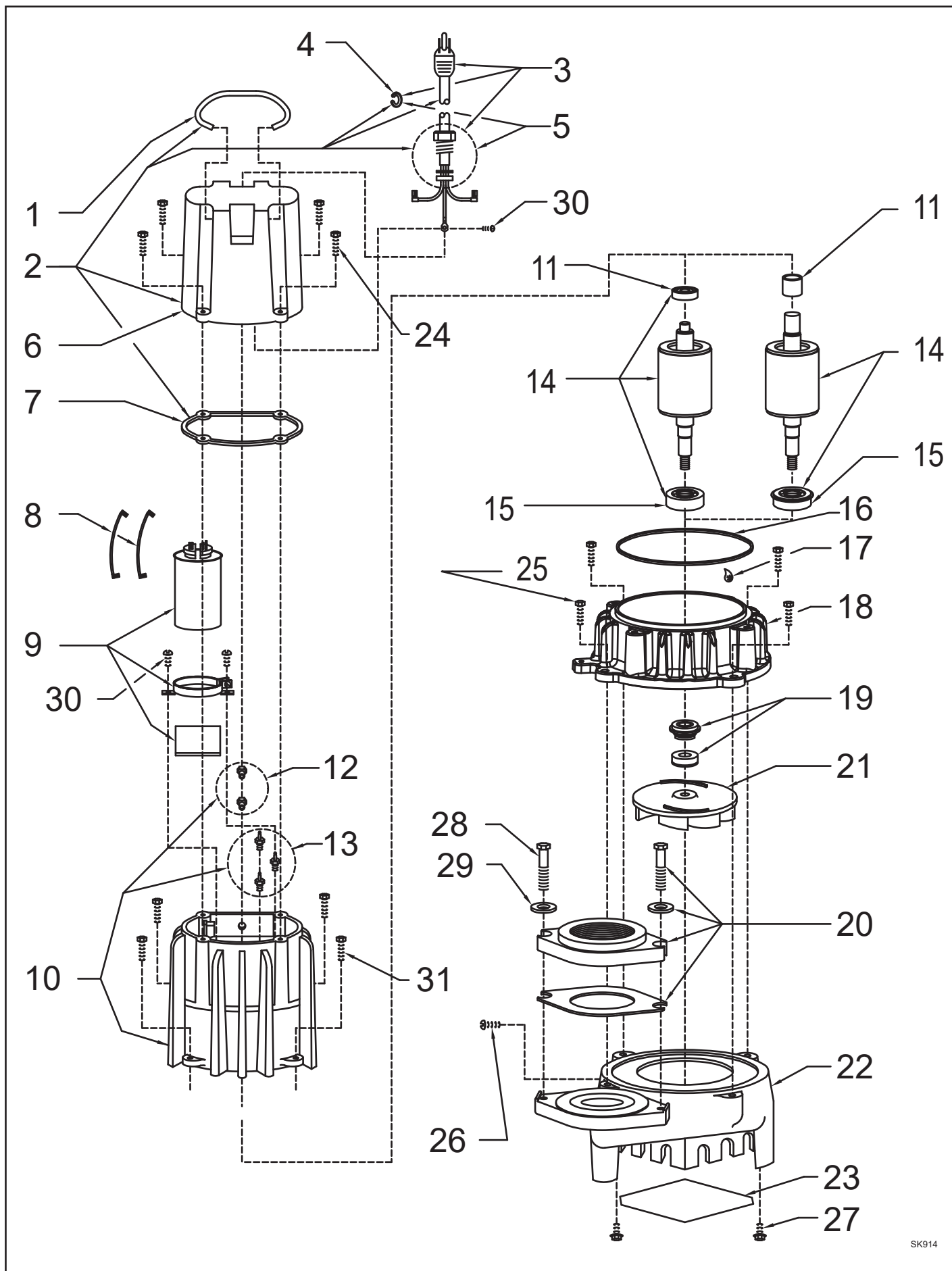
- 1) Mtr. Hsg., Brg., Stator & Term. (Item 10) is preassembled at the factory and must be replaced as a unit. Stator is permanently attached to the Motor Housing. Plug (Item 12); Seal, Thru Wall Term. (Item 13) and Bearing - Upper (Item 15) are replaceable.
- 2) If an "X" follows Model No., or Date Mfg. on ID tag, consult factory for ordering of this part.
- 3) See FM0160 Parts Price Sheet for listing of parts prices.
- 4) "NA" indicates, not applicable.
- 5) When ordering specify either GE or Emerson Motor.

REPLACEMENT PARTS ILLUSTRATION FOR MODELS "M161" AND "D161"



SK261

REPLACEMENT PARTS ILLUSTRATION FOR MODELS "N161" AND "E161"



SK914



MAIL TO: P.O. BOX 16347 • Louisville, KY 40256-0347
SHIP TO: 3649 Cane Run Road • Louisville, KY 40211-1961
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