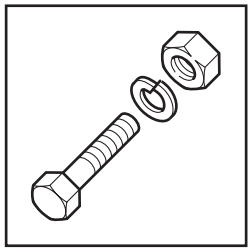
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by HOBART



ES300	**ML-134452**	**ES300CE**	**ML-134470**
ES300	**ML-134467**	**ES300CE**	**ML-134472**
ES300	**ML-134468**	**ES300CE**	**ML-141026**
ES300	**ML-134469**		

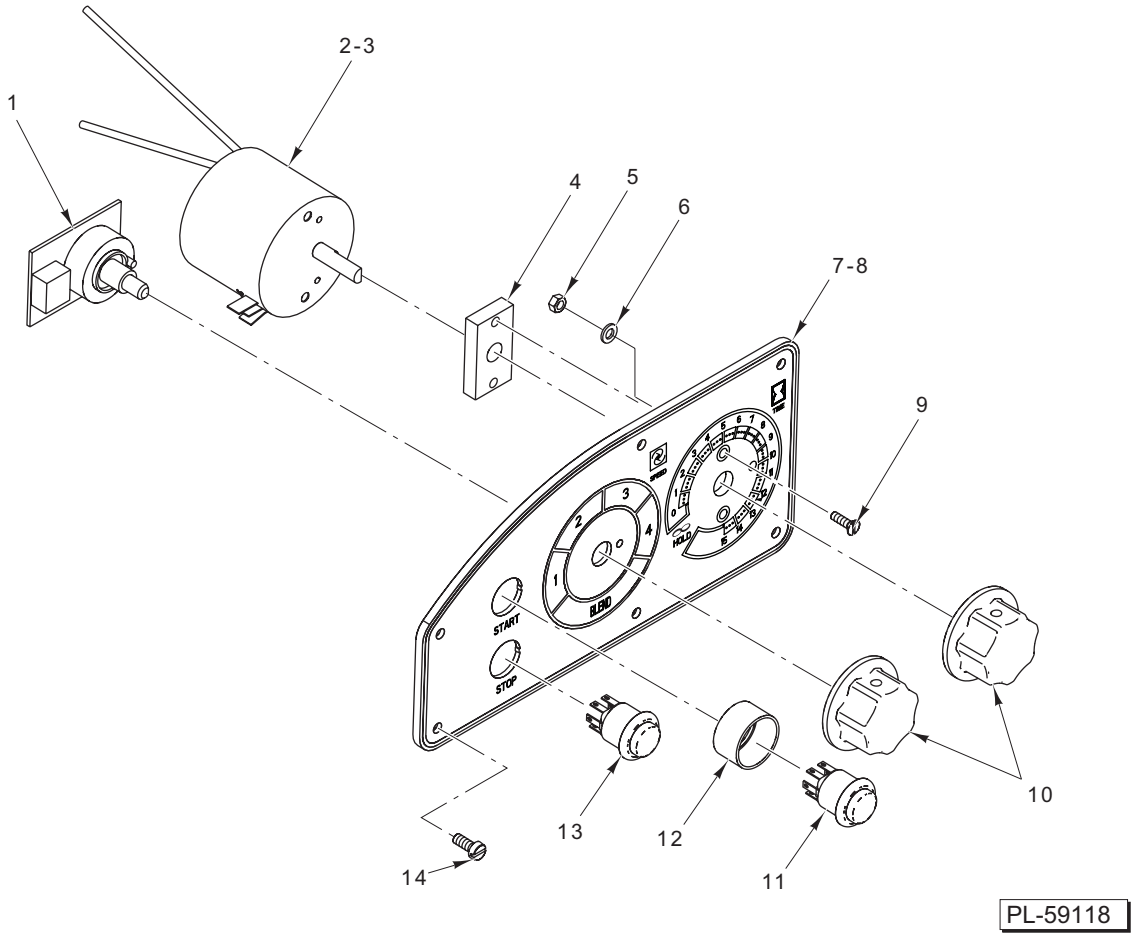


Spare Parts List

FORM 43193 (July 2009)

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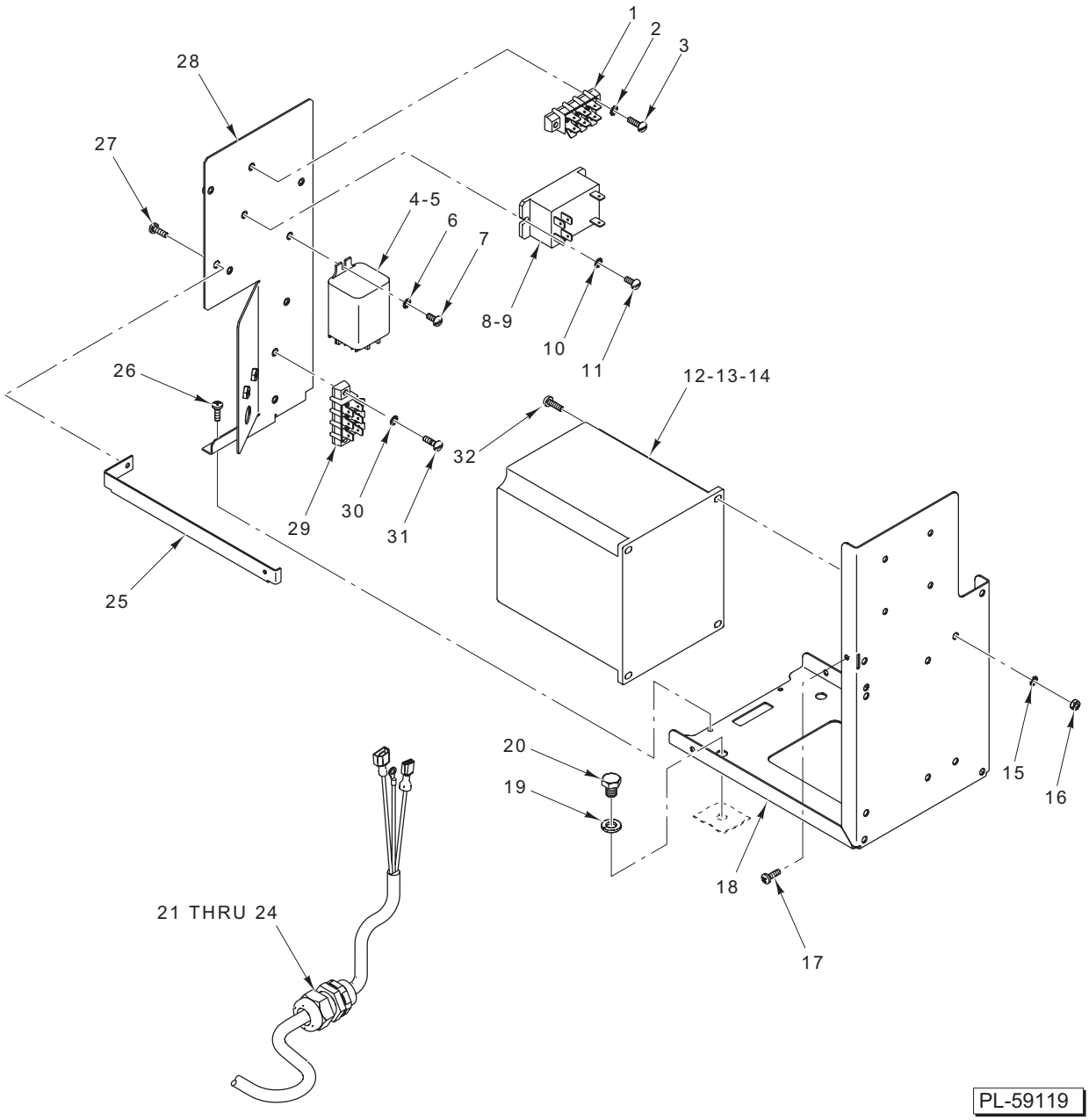
5 CONTROL PANEL
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CONTROL PANEL

CONTROL PANEL

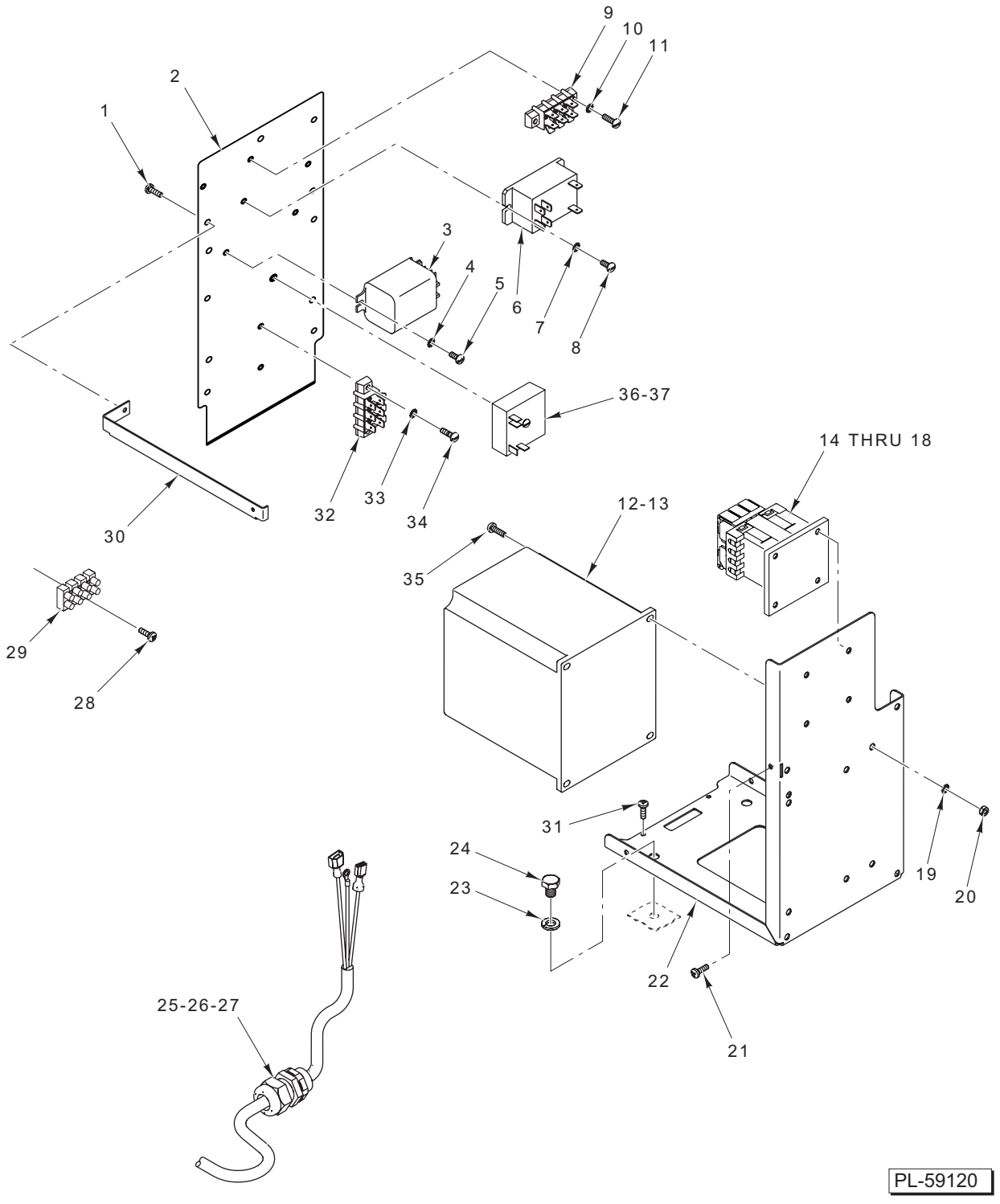
ILLUS. PL-59118	PART NO.	NAME OF PART	AMT.
1	00-917354	PCB Assy – Speed Select	1
2	00-916988-00006	Timer Assy. (180-250 V., 60 Hz.) (ML-134467, ML-134468, ML-134469, ML-134470, ML-134472, & ML-141026)	1
3	00-916988-00005	Timer Assy. (90-130 V., 60 Hz.) (ML-134452)	1
4	00-916938	Spacer – Timer	1
5	NS-009-12	Nut 8-32 Hex (ML-134470, ML-134472, & ML-141026)	1
6	WL-007-06	Lockwasher #8 External (ML-134470, ML-134472, & ML-141026)	1
7	00-917445	Panel – Operator (CE) (With Clinch Stud) (ML-134470, ML-134472, & ML-141026)	1
8	00-917444	Panel – Operator (Black)	1
9	SC-022-72	Mach. Screw 5-40 x $^{7}/_{16}$ Slotted Flat Hd. (SST)	2
10	00-917141	Knob – Control	2
11	00-917447	Switch – Start	1
12	00-917446	Guard – Switch	1
13	00-917448	Switch – Stop	1
14	SC-120-61	Mach. Screw M4 x 0.7 x 10mm Slotted Cheese Hd.	6



ELECTRICAL COMPONENTS (ML-134452, ML-134467, & ML-134468)

ELECTRICAL COMPONENTS (ML-134452, ML-134467, & ML-134468)

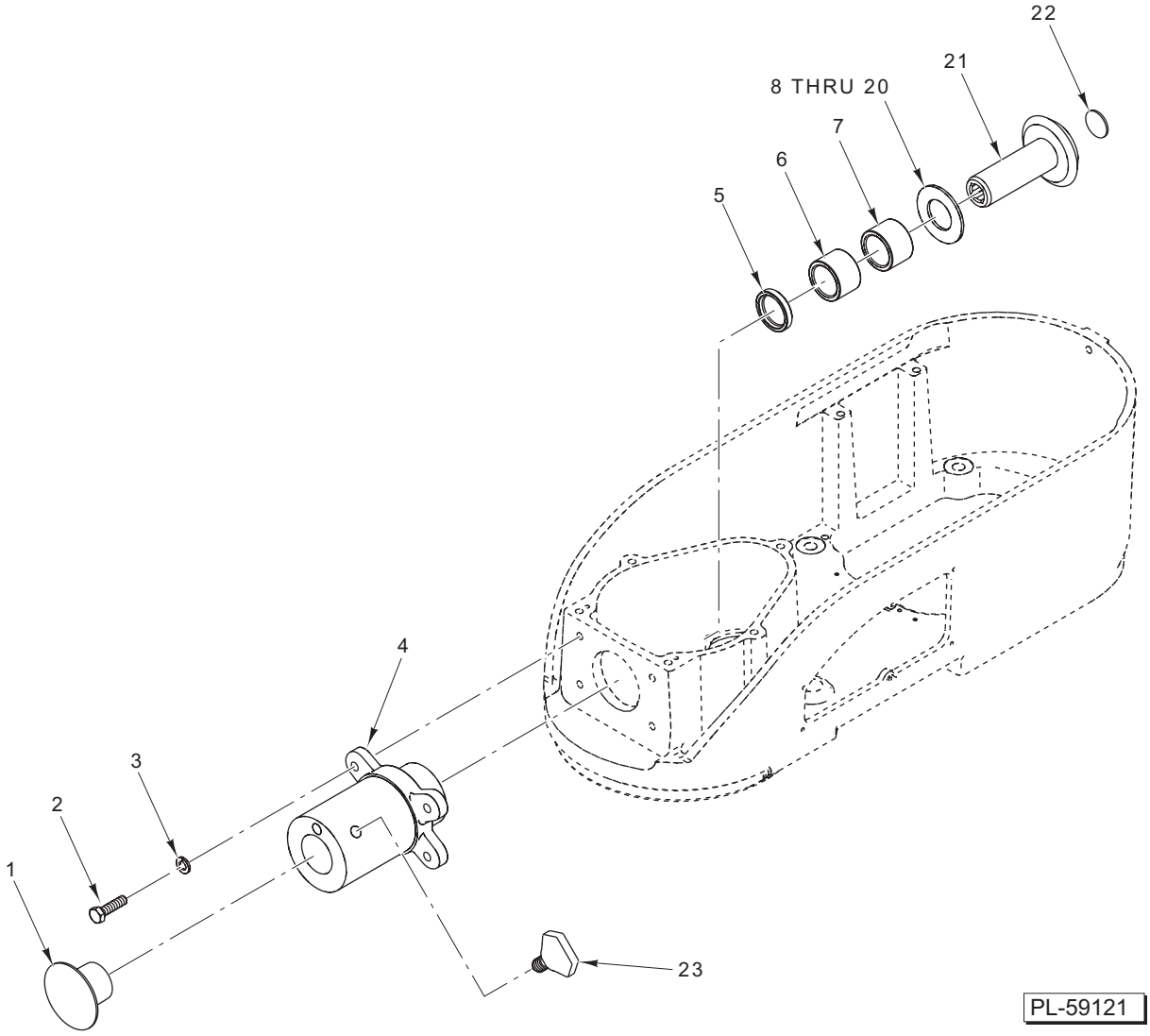
ILLUS. PL-59119	PART NO.	NAME OF PART	AMT.
1	00-916269	Block – Terminal 1/4 QC	1
2	WL-019-81	Lockwasher M4 (SST)	2
3	SC-118-29	Mach. Screw M4 x 0.7 x 15mm Slotted Pan Hd. (SST)	2
4	00-087714-020-3	Relay (3PDT) (240 V.) (ML-134467 & ML-134468)	1
5	00-087714-020-2	Relay (3-Pole) (ML-134452)	1
6	WL-019-81	Lockwasher M4 (SST)	2
7	SC-200-02	Mach. Screw M4 x 0.7 x 10mm Slotted Pan Hd. (SST)	2
8	00-087714-042-3	Relay (2-Pole) (240 VAC Coil) (ML-134467 & ML-134468)	1
9	00-087714-042-1	Relay (2-Pole) (ML-134452)	1
10	WL-019-81	Lockwasher M4 (SST)	2
11	SC-200-02	Mach. Screw M4 x 0.7 x 10mm Slotted Pan Hd. (SST)	2
12	00-917539	Controller (100-120 V., 50-60 Hz., 1 Ph.) (ML-134452)	1
13	00-917540-00001	Controller (200-240 V., 50-60 Hz., 1 Ph.) (ML-134467)	1
14	00-917541-00001	Controller (200-240 V., 50-60 Hz., 3 Ph.) (ML-134468 & ML-141026)	1
15	WL-019-81	Lockwasher M4 (SST)	4
16	NS-047-24	Nut M4 x 0.7 Hex (Brass)	4
17	SD-039-50	Self-Tapping Screw M3.9 x 13 x 13mm Phil. Pan Hd. (SST)	1
18	00-917472	Plate – Controller Mounting	1
19	WL-019-74	Lockwasher M8 Spring (SST)	1
20	SC-121-57	Cap Screw M8 x 1.25 x 10mm Hex Socket Hd. (SST)	1
21	FE-024-88	Lock Nut 1/2	1
22	FE-022-84	Relief – Electrical Strain	1
23	00-916909-00015	Cord – Plug Assy. (250 V.) (ML-134467)	1
24	00-916909-00014	Cord – Plug Assy. (125 V.) (ML-134452)	1
25	00-917830	Brace – Controller Plate	1
26	SD-039-50	Self-Tapping Screw M3.9 x 13 x 13mm Phil. Pan Hd. (SST)	1
27	SD-039-50	Self-Tapping Screw M3.9 x 13 x 13mm Phil. Pan Hd. (SST)	1
28	00-917764	Plate – Controller Mounting	1
29	00-916269	Block – Terminal 1/4 QC	1
30	WL-019-81	Lockwasher M4 (SST)	2
31	SC-118-29	Mach. Screw M4 x 0.7 x 15mm Slotted Pan Hd. (SST)	2
32	SC-128-14	Mach. Screw M4 x 0.7 x 14mm Phil. Pan Hd.	4



ELECTRICAL COMPONENTS (ML-134469, ML-134470, ML-134472, & ML-141026)

ELECTRICAL COMPONENTS (ML-134469, ML-134470, ML-134472, & ML-141026)

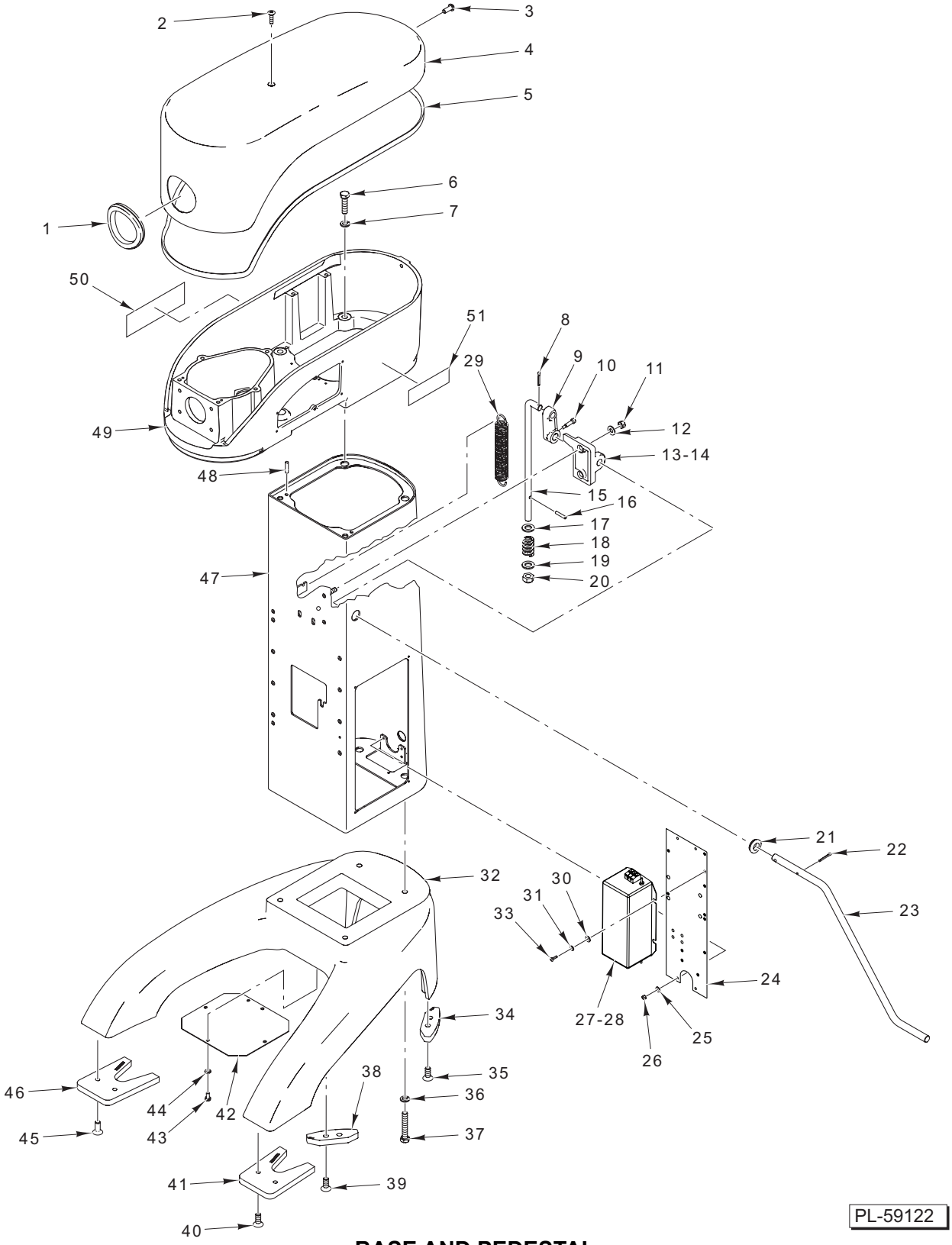
ILLUS. PL-59120	PART NO.	NAME OF PART	AMT.
1	SD-039-50	Self-Tapping Screw M3.9 x 13 x 13mm Phil. Pan Hd. (SST)	1
2	00-917574	Plate – Controller Mounting	1
3	00-087714-020-3	Relay (3PDT) (240 V.)	1
4	WL-019-81	Lockwasher M4 (SST)	2
5	SC-200-02	Mach. Screw M4 x 0.7 x 10mm Slotted Pan Hd. (SST)	2
6	00-087714-042-3	Relay (2-Pole) (240 VAC Coil)	1
7	WL-019-81	Lockwasher M4 (SST)	2
8	SC-200-02	Mach. Screw M4 x 0.7 x 10mm Slotted Pan Hd. (SST)	2
9	00-916269	Block – Terminal 1/4 QC	1
10	WL-019-81	Lockwasher M4 (SST)	2
11	SC-118-29	Mach. Screw M4 x 0.7 x 15mm Slotted Pan Hd. (SST)	2
12	00-917542-00001	Controller (400-460 V., 50-60 Hz., 3 Ph.) (ML-134469 & ML-134472)	1
13	00-917540-00001	Controller (200-240 V., 50-60 Hz., 1Ph.) (ML-134470)	1
14	00-478217	Puller – Fuse (ML-134472)	3
15	00-294500-032-1	Transformer (50 VA) (ML-134469 & ML-134472)	1
16	00-477566	Cover – Transformer Type C (IEC) (ML-134472)	2
17	FE-025-20	Fuse (600 V., 2 Amp.) (ML-134472)	2
18	FE-025-58	Fuse (600 V., 3 Amp.) (ML-134472)	1
19	WL-019-81	Lockwasher M4 (SST)	4
20	NS-047-24	Nut M4 x 0.7 Hex (Brass)	4
21	SD-039-50	Self-Tapping Screw M3.9 x 13 x 13mm Phil. Pan Hd. (SST)	1
22	00-917472	Plate – Controller Mounting	1
23	WL-019-74	Lockwasher M8 Spring (SST)	1
24	SC-121-57	Cap Screw M8 x 1.25 x 10mm Hex Socket Hd. (SST)	1
25	FE-024-88	Lock Nut 1/2 Elect.	1
26	FE-022-84	Relief – Electrical Strain	1
27	00-916909-00013	Cord – Plug Assy. (CE) (ML-134470)	1
28	SD-039-49	Self-Tapping Screw M4 x 0.7 x 20mm Phil. Pan Hd., Type TT (ML-134472 & ML-141026)	2
29	00-477562-00002	Block – Terminal (ML-134472 & ML-141026)	1
30	00-917830	Brace – Controller Plate	1
31	SD-039-50	Self-Tapping Screw M3.9 x 13 x 13mm Phil. Pan Hd. (SST)	1
32	00-916269	Block – Terminal 1/4 QC	1
33	WL-019-81	Lockwasher M4 (SST)	2
34	SC-118-29	Mach. Screw M4 x 0.7 x 15mm Slotted Pan Hd. (SST)	2
35	SC-128-14	Mach. Screw M4 x 0.7 x 14mm Phil. Pan Hd.	4
36	00-917701	Timer – Delay Relay	1
37	SC-117-66	Mach. Screw M4 x 0.7 x 25mm Slotted Pan Hd.	1



ATTACHMENT HUB

ATTACHMENT HUB

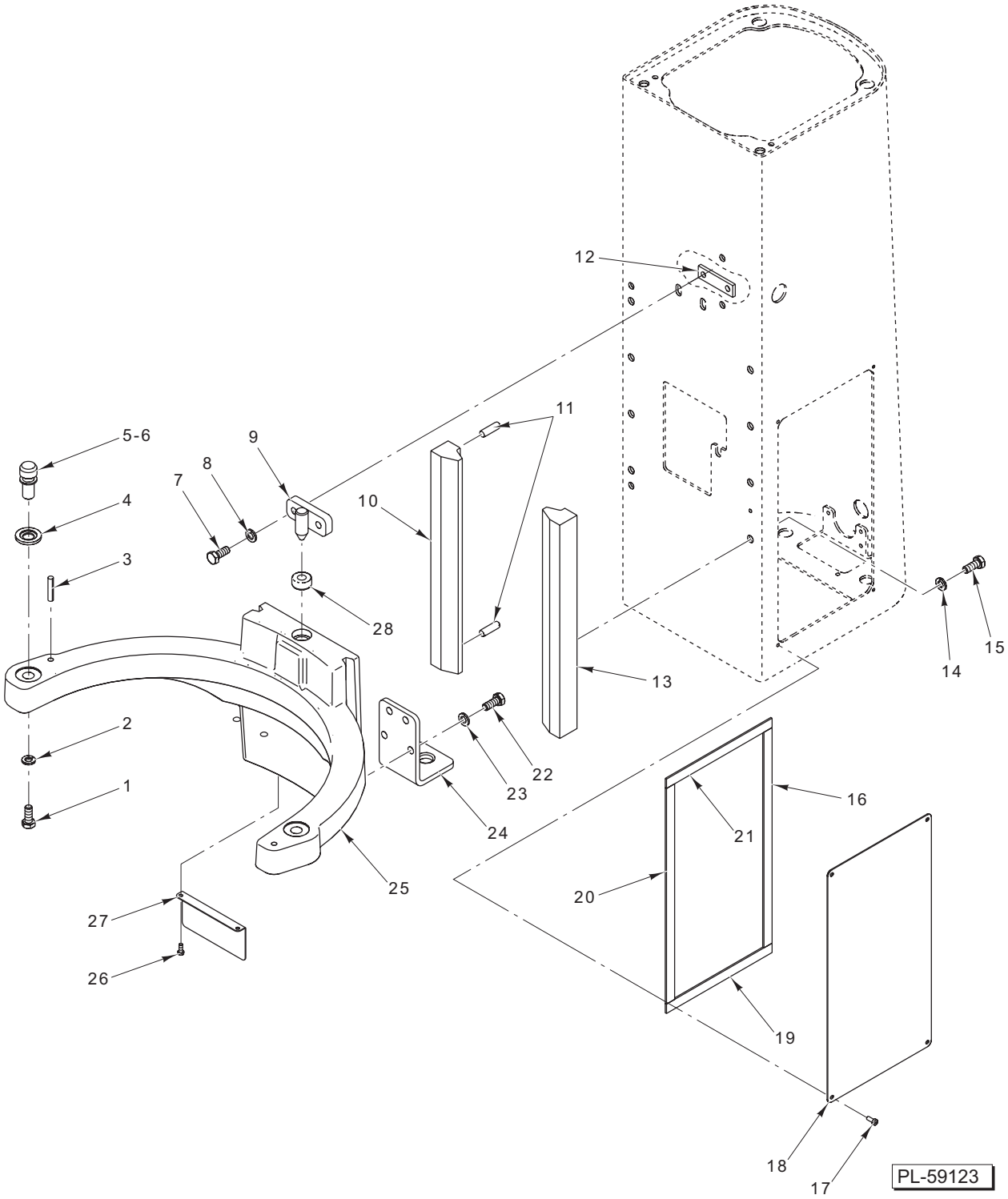
ILLUS. PL-59121	PART NO.	NAME OF PART	AMT.
1	00-917322	Plug – Attachment (Black)	1
2	SC-130-77	Cap Screw M8 x 1.25 x 30mm Hex Hd	4
3	WL-019-74	Lockwasher M8 Spring (SST)	4
4	00-917430	Hub – Attachment	1
5	00-917435	Seal – Attachment Hub	1
6	BN-002-04	Bearing – Needle 1 1/8	1
7	BN-002-04	Bearing – Needle 1 1/8	1
8	00-070045-00001	Washer – Thrust (0.125)	AR
9	00-070045-00002	Washer – Thrust (0.119)	AR
10	00-070045-00003	Washer – Thrust (0.121)	AR
11	00-070045-00004	Washer – Thrust (0.123)	AR
12	00-070045-00005	Washer – Thrust (0.127)	AR
13	00-070045-00006	Washer – Thrust (0.129)	AR
14	00-070045-00007	Washer – Thrust (0.100)	AR
15	00-070045-00008	Washer – Thrust (0.090)	AR
16	00-070045-00009	Washer – Thrust (0.131)	AR
17	00-070045-00010	Washer – Thrust (0.133)	AR
18	00-070045-00011	Washer – Thrust (0.136)	AR
19	00-070045-00012	Washer – Thrust (0.139)	AR
20	00-070045-00013	Washer – Thrust (0.116)	AR
21	00-070025	Gear – Attachment Drive	1
22	PL-003-17	Plug – Expansion	1
23	00-108197-00001	Screw – Thumb 1 1/8	1



BASE AND PEDESTAL

BASE AND PEDESTAL

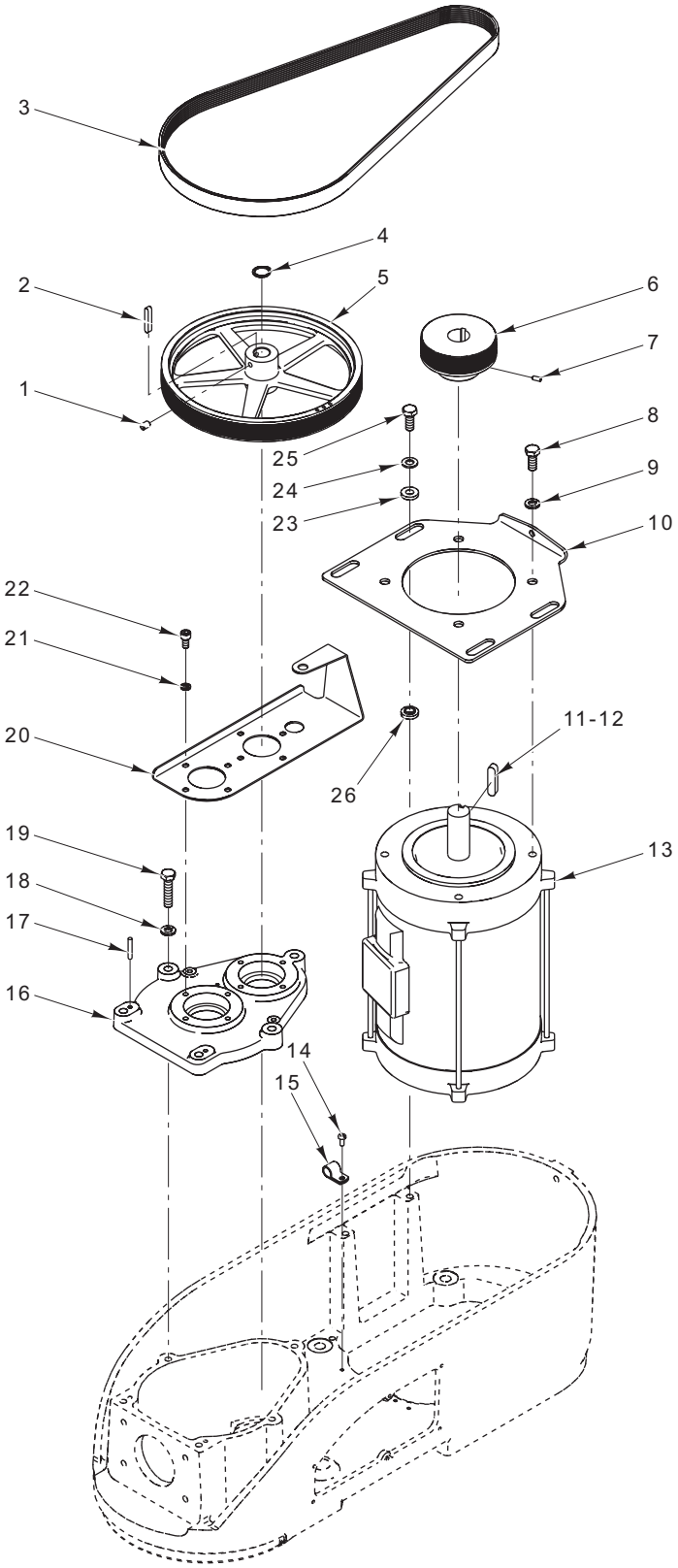
ILLUS. PL-59122	PART NO.	NAME OF PART	AMT.
1	00-917128	Grommet – Attachment Hub	1
2	SC-120-29	Mach. Screw 1/4-20 x 1 Phil Oval Hd.	1
3	SC-130-88	Mach. Screw M8 x 1.25 x 20mm Phil. Button Hd. (SST)	1
4	00-917118	Cover – Top (With Hub)	1
5	00-874925-00007	Seal – Neopreme	1
6	SC-124-61	Cap Screw M10 x 1.50 x 40mm Hex Hd.	4
7	WL-019-89	Lockwasher M10 Spring (SST)	4
8	PC-003-36	Pin – Cotter 3/32	1
9	00-917375	Arm – Bowl Lift	1
10	SC-086-01	Shoulder Screw 10-24 x 3/4 Hex Socket Hd.	1
11	NS-013-14	Nut 5/16-18 Hex	2
12	WS-017-16	Washer	2
13	00-917612	Bearing – Bowl Lift	1
14	RP-006-46	Pin – Roll 6mm (ML-134472 & ML-141026)	1
15	00-917373	Rod – Bowl LIft	1
16	RP-006-48	Pin – Roll (5mm)	1
17	WS-031-67	Washer	1
18	00-070104	Spring – Bowl Lift	1
19	WS-031-67	Washer	1
20	NS-049-24	Lock Nut M12 x 1.75 Hex	1
21	00-916876	Grommet	1
22	PC-003-36	Pin – Cotter 3/32	1
23	00-917376	Handle – Bowl Lift	1
24	00-917575	Plate – Mounting (ML-134470, ML-134472, & ML-141026)	1
25	WL-020-01	Lockwasher M4 Helical	2
26	NS-047-24	Nut M4 x 0.7 Hex (Brass)	2
27	00-917695	Filter – Power Line (ML-134470)	1
28	00-917715	Filter – Power Line (230 V., 50 Hz., 3 Ph.) (ML-134472 & ML-141026)	1
29	00-916463	Spring – Bowl Lift	1
30	WS-031-59	Washer (ML-134472 & ML-141026)	4
31	WL-020-01	Lockwasher M4 Helical	4
32	00-917290	Base	1
33	SC-200-02	Mach. Screw M4 x 0.7 x 10mm Slotted Pan Hd. (SST)	4
34	00-917166	Pad – Back	1
35	SC-130-86	Mach. Screw M10 x 1.5 x 25mm Hex Flat Hd.	2
36	WL-019-89	Lockwasher M10 Spring (SST)	4
37	SC-127-78	Cap Screw M10 x 1.5 x 60mm Hex Hd.	4
38	00-917166	Pad – Back	1
39	SC-130-86	Mach. Screw M10 x 1.5 x 25mm Hex Flat Hd.	2
40	SC-130-86	Mach. Screw M10 x 1.5 x 25mm Hex Flat Hd.	2
41	00-917391	Pad – Front (Right)	1
42	00-917691	Plate – Bottom Cover	1
43	SC-118-58	Cap Screw M6 x 1.0 x 12mm Hex Hd.	4
44	WL-019-48	Lockwasher M6 Spring (SST)	4
45	SC-130-86	Mach. Screw M10 x 1.5 x 25mm Hex Flat Hd.	2
46	00-917390	Pad – Front (Left)	1
47	00-917288	Pedestal	1
48	00-917595-00002	Dowel	2
49	00-917292	Transmission – Mach	1
50	00-917277	Logo – Ecomax By Hobart (Large)	1
51	00-917343	Logo – Ecomax By Hobart (Small)	1



BOWL SUPPORT

BOWL SUPPORT

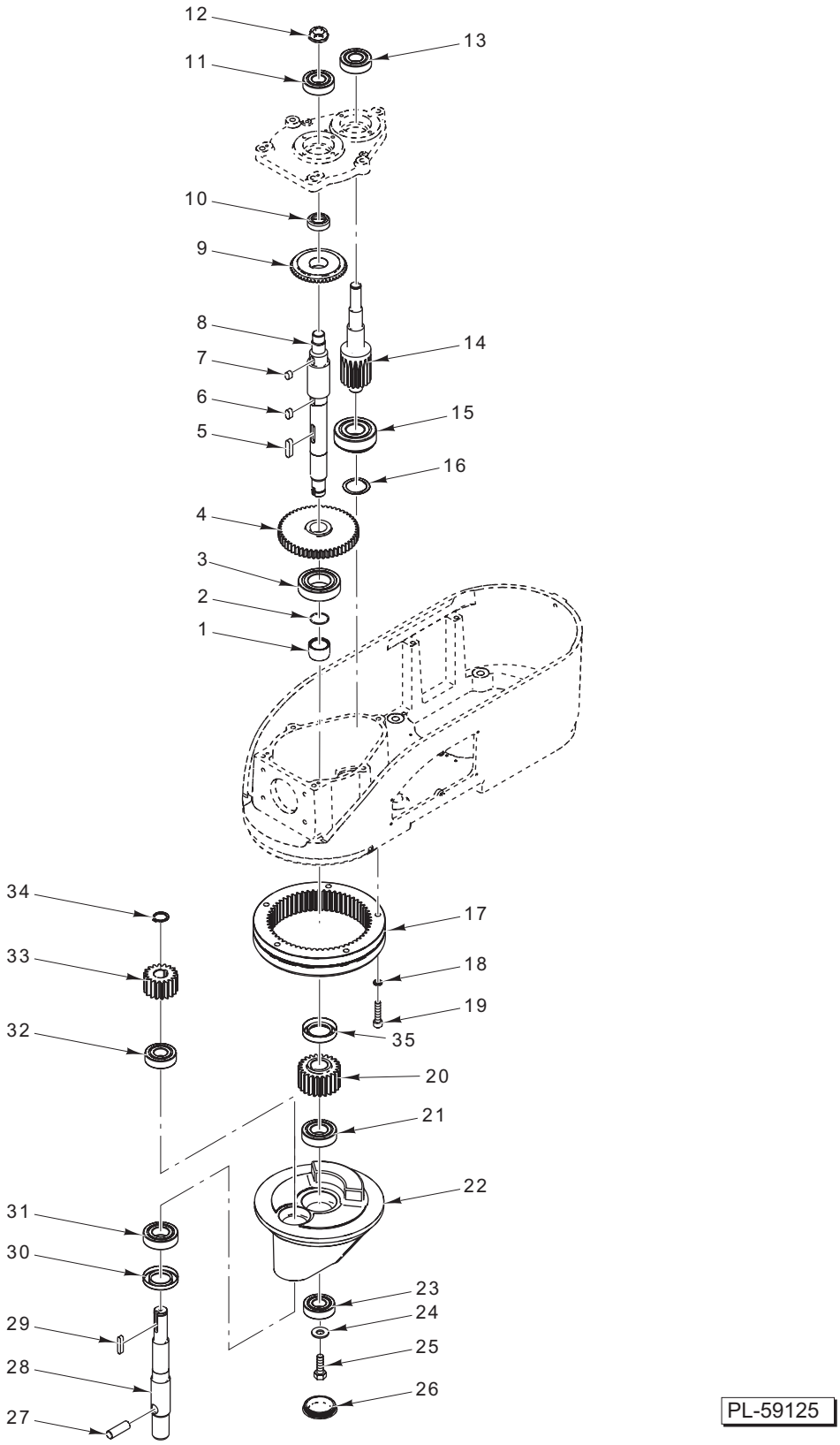
ILLUS. PL-59123	PART NO.	NAME OF PART	AMT.
1	SC-120-59	Cap Screw M8 x 1.25 x 20mm Hex Hd	2
2	WL-019-74	Lockwasher M8 Spring (SST)	2
3	PG-011-44	Pin – Grooved (6mm) (ML-134452, ML-134467, & ML-134468)	2
4	00-917180	Bushing – Bowl Support (ML-134452, ML-134466, ML-134467, ML-134468, ML-134469, & ML-134470)	2
5	00-917388	Pin – Bowl Mounting (ML-134467 & ML-134468)	2
6	00-917899	Pin – Bowl Mounting (ML-134470, ML-134472, & ML-141026)	2
7	SC-120-59	Cap Screw M8 x 1.25 x 20mm Hex Hd	2
8	WL-019-74	Lockwasher M8 Spring (SST)	2
9	00-917660	Pin – Weldment Latch	1
10	00-917299	Slideway – Bowl Lift	1
11	00-917595-00004	Dowel	2
12	00-917654	Retainer	1
13	00-917299	Slideway – Bowl Lift	1
14	WL-019-74	Lockwasher M8 Spring (SST)	8
15	SC-120-59	Cap Screw M8 x 1.25 x 20mm Hex Hd	8
16	00-917986-00001	Seal – Side Cover	1
17	SC-120-61	Mach. Screw M4 x 0.7 x 10mm Slotted Cheese Hd.	4
18	00-917309	Cover	1
19	00-917986-00002	Seal – Side Cover	1
20	00-917986-00001	Seal – Side Cover	1
21	00-917986-00002	Seal – Side Cover	1
22	SC-120-59	Cap Screw M8 x 1.25 x 20mm Hex Hd	4
23	WL-019-74	Lockwasher M8 Spring (SST)	4
24	00-917416	Bracket – Bowl Support Lift	1
25	00-917285	Support – Bowl Mach	1
26	SC-120-61	Mach. Screw M4 x 0.7 x 10mm Slotted Cheese Hd.	2
27	00-917673	Cover	1
28	00-917652	Rest – Bowl	1
	00-917808	Seal – Side Cover (ML-134452 & ML-134470)	1



TRANSMISSION CASE AND MOTOR

TRANSMISSION CASE AND MOTOR

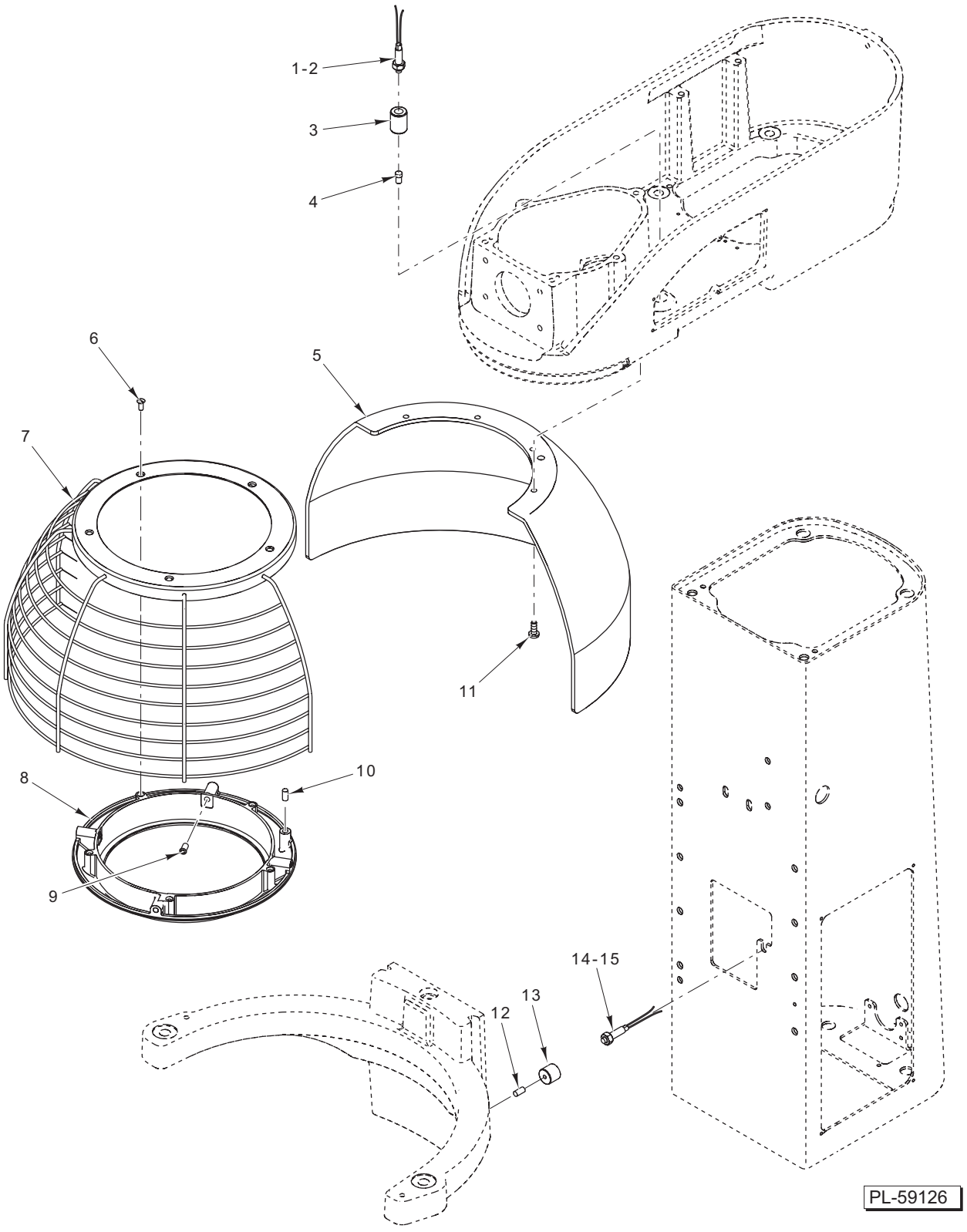
ILLUS. PL-59124	PART NO.	NAME OF PART	AMT.
1	SC-047-12	Set Screw 1/4-20 x 3/8 Hex Hdls. Cup Pt.	2
2	00-917496-00001	Key – Metric	1
3	00-917364	Belt – V Ribbed	1
4	RR-012-14	Ring – Retaining	1
5	00-917370	Pulley – Driven	1
6	00-917369	Pulley – Driver	1
7	SC-127-76	Set Screw M4 x 0.7 x 10mm Hex Hdls. Cone Pt.	1
8	SC-120-59	Cap Screw M8 x 1.25 x 20mm Hex Hd.	4
9	WL-019-74	Lockwasher M8 Spring (SST)	4
10	00-917366	Bracket – Motor Mounting	1
11	00-917496-00002	Key – Metric (ML-134470, ML-134472, & ML-141026)	1
12	00-012430-00066	Key (ML-134452, ML-134467, ML-134468, & ML-134469)	1
13	00-917680-00001	Motor (2.5 Hp., 200-400 V., 3 Ph.)	1
14	SC-200-02	Mach. Screw M4 x 0.7 x 10mm Slotted Pan Hd. (SST)	1
15	00-078752-00009	Clamp – Cable	1
16	00-917360	Cover – Transmission Top	1
17	00-917595-00005	Dowel	2
18	WL-019-74	Lockwasher M8 Spring (SST)	5
19	SC-130-78	Cap Screw M8 x 1.25 x 35mm Hex Socket Hd.	5
20	00-917624	Retainer – Top Bearing	1
21	WL-020-12	Lockwasher M6 Spring	8
22	SC-117-25	Cap Screw M6 x 1.0 x 12mm Hex Socket Hd.	8
23	00-917410	Isolator	4
24	WS-030-44	Washer (SST)	4
25	SC-120-59	Cap Screw M8 x 1.25 x 20mm Hex Hd.	4
26	00-917410	Isolator	4



TRANSMISSION

TRANSMISSION

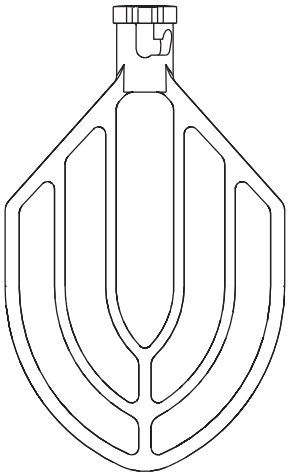
ILLUS. PL-59125	PART NO.	NAME OF PART	AMT.
1	00-916663	Spacer – Planetary-Lower	1
2	00-067500-00068	O-Ring	1
3	BB-015-08	Bearing – Ball	1
4	00-917498	Gear – Helical	1
5	00-917496-00006	Key – Metric	1
6	00-917496-00005	Key – Metric	1
7	00-917496-00003	Key – Metric	1
8	00-917356	Shaft – Sun	1
9	00-070020-00002	Gear – Bevel	1
10	00-917368	Spacer – Planetary-Upper	1
11	BB-005-34	Bearing – Ball	1
12	NS-032-32	Lock Nut 3/4-16 (LH)	1
13	BB-020-06	Bearing – Ball	1
14	00-917361	Shaft – Worm Gear	1
15	BB-020-06	Bearing – Ball	1
16	SL-005-04	Spring – Loading	1
17	00-917405	Gear – Internal	1
18	WL-020-13	Lockwasher M8 Spring	5
19	SC-117-19	Cap Screw M8 x 1.25 x 30mm Hex Socket Hd.	5
20	00-477413	Gear – Sun	1
21	BB-007-52	Bearing – Ball	1
22	00-477407-00002	Planetary	1
23	BB-005-46	Bearing – Ball	1
24	WS-030-04	Washer	1
25	SC-118-58	Cap Screw M6 x 1.0 x 12mm Hex Hd.	1
26	00-917690	Plug – Planetary	1
27	00-070019	Pin – Agitator	1
28	00-477441	Shaft – Agitator (Incls. Item 27)	1
29	00-917496-00004	Key – Metric	1
30	00-110335	Seal – Agitator Shaft	1
31	BB-007-52	Bearing – Ball	1
32	BB-005-46	Bearing – Ball	1
33	00-477412	Gear – Planetary Beater	1
34	RR-012-06	Ring – Retaining	1
35	00-110334	Seal – Planetary	1



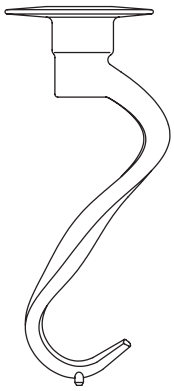
BOWL GUARD AND HEIGHT SENSOR

BOWL GUARD AND HEIGHT SENSOR

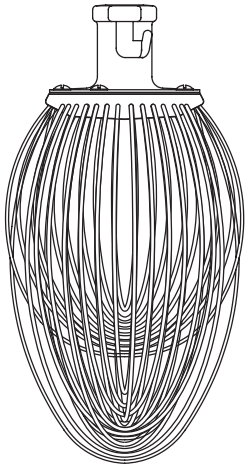
ILLUS. PL-59126	PART NO.	NAME OF PART	AMT.
1	00-916902-00003	Switch – Reed	1
2	00-916902-00004	Switch – Reed Fused Assy. (ML-134470, ML-134472, & ML-141026)	1
3	00-917184	Holder – Reed Switch	1
4	00-917449	Pin – Magnet Bridge	1
5	00-917297	Guard – Rear Splash	1
6	SC-117-77	Mach. Screw M5 x 0.8 x 12mm Slotted Flat Hd. (SST)	5
7	00-917338	Cage Assy. (Incls. Items 6 thru 10)	1
8	00-917372	Ring – Drip	1
9	00-917056	Plunger – Ball	4
10	00-917185	Magnet	1
11	SC-130-49	Mach. Screw M6 x 1.0 x 16mm Slotted Pan Hd. (SST)	4
12	00-917185	Magnet	1
13	00-917186	Holder – Magnet	1
14	00-916902-00003	Switch – Reed	1
15	00-916902-00004	Switch – Reed Fused Assy. (ML-134470, ML-134472, & ML-141026)	1



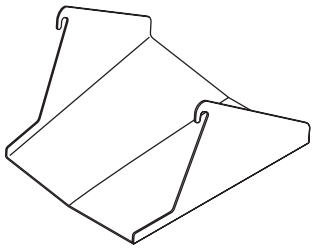
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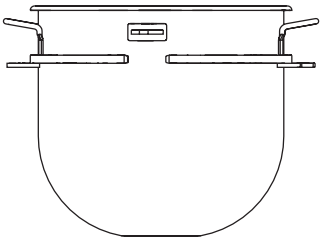
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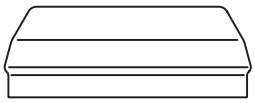
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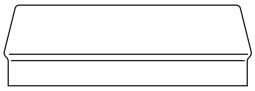
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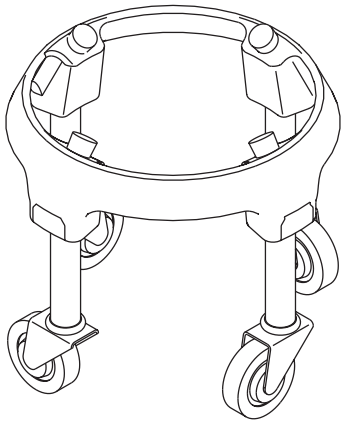
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10



11



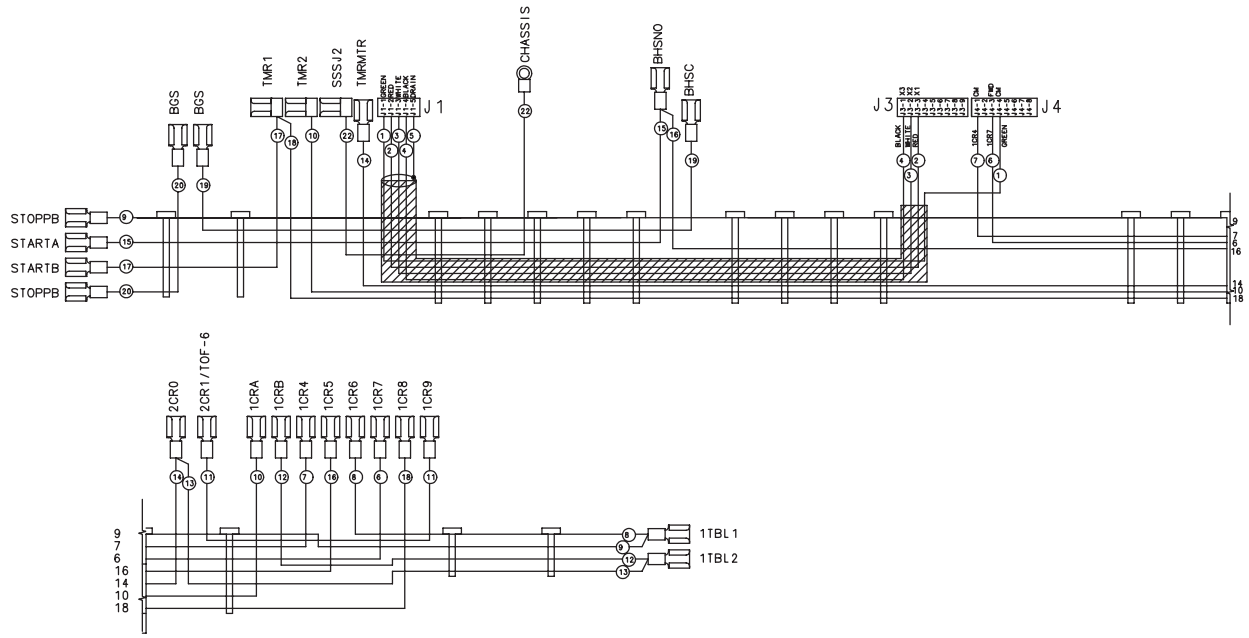
12

PL-59127

AGITATORS AND ACCESSORIES

AGITATORS AND ACCESSORIES

ILLUS. PL-59127	PART NO.	NAME OF PART	AMT.
1	00-917964	"B" Beater (30 Qt.) (Packaged)	1
2	00-917970	"B" Beater (20 Qt.) (Packaged)	1
3	00-917966	Dough Hook (30 Qt.) (Packaged)	1
4	00-917972	Dough Arm (20 Qt.) (Packaged)	1
5	00-917971	Wire Whip (Packaged) (20 Qt.)	1
6	00-917965	Wire Whip (Packaged) (30 Qt.)	1
7	00-917967	Ingredient Chute (Packaged) (30 Qt.) (SST)	1
8	00-917969	Bowl Assy (Packaged) (20 Qt.)	1
9	00-917963	Bowl Assy. (30 Qt.) (SST)	1
10	00-917760	Splash Cover (Packaged) (20 Qt.)	1
11	00-917968	Splash Cover (Packaged) (30 Qt.)	1
12	00-916883	Dolly – Bowl (30 Qt.) (Packaged)	1



00-917594 Harness - Main

PL-59128

WIRING HARNESS