

# Parts Manual

**LX31 / LX41 / LX50**

**European Models**

**Serial Numbers 4391 - Current**

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Publication Number: 108049-029

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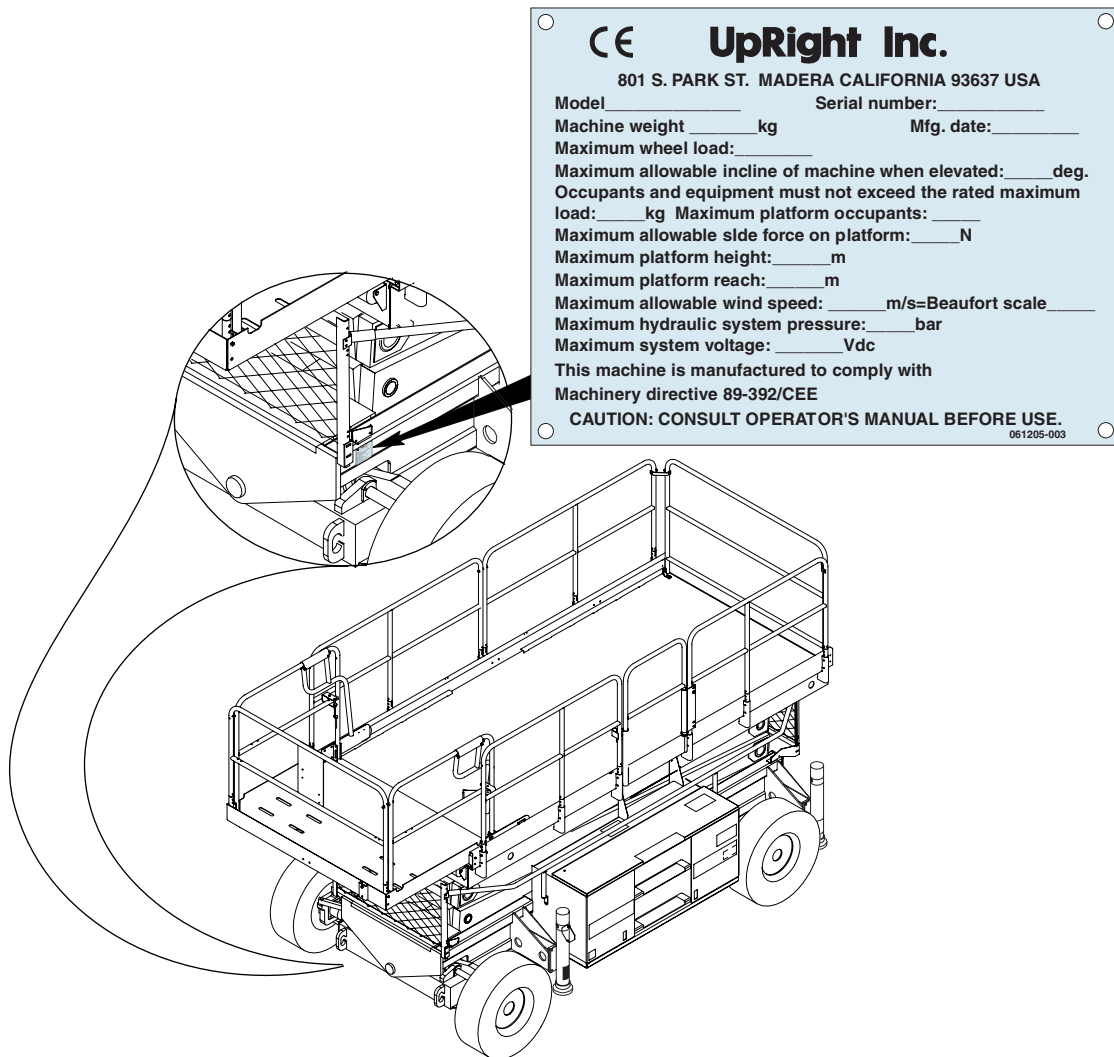
**UpRight**

# LX31 / LX41 / LX50

## European Models

### Serial Numbers 4391 - Current

When contacting UpRight for service or parts information, be sure to include the MODEL and SERIAL NUMBERS from the equipment nameplate. Should the nameplate be missing, the SERIAL NUMBER is also stamped on top of the chassis above the left front axle pivot.



<b>CE</b>		<b>UpRight Inc.</b>	
801 S. PARK ST. MADERA CALIFORNIA 93637 USA			
Model _____		Serial number: _____	
Machine weight _____ kg		Mfg. date: _____	
Maximum wheel load: _____			
Maximum allowable incline of machine when elevated: _____ deg.			
Occupants and equipment must not exceed the rated maximum load: _____ kg Maximum platform occupants: _____			
Maximum allowable side force on platform: _____ N			
Maximum platform height: _____ m			
Maximum platform reach: _____ m			
Maximum allowable wind speed: _____ m/s=Beaufort scale _____			
Maximum hydraulic system pressure: _____ bar			
Maximum system voltage: _____ Vdc			
This machine is manufactured to comply with Machinery directive 89-392/CEE			
CAUTION: CONSULT OPERATOR'S MANUAL BEFORE USE.			
061205-003			

#### UpRight, Inc.

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Madera, California 93637

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# UpRight

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# PARTS MANUAL

This document lists and illustrates the replaceable assemblies and parts of this product, as manufactured by UpRight, Inc. Each parts list contains the component parts for that assembly.

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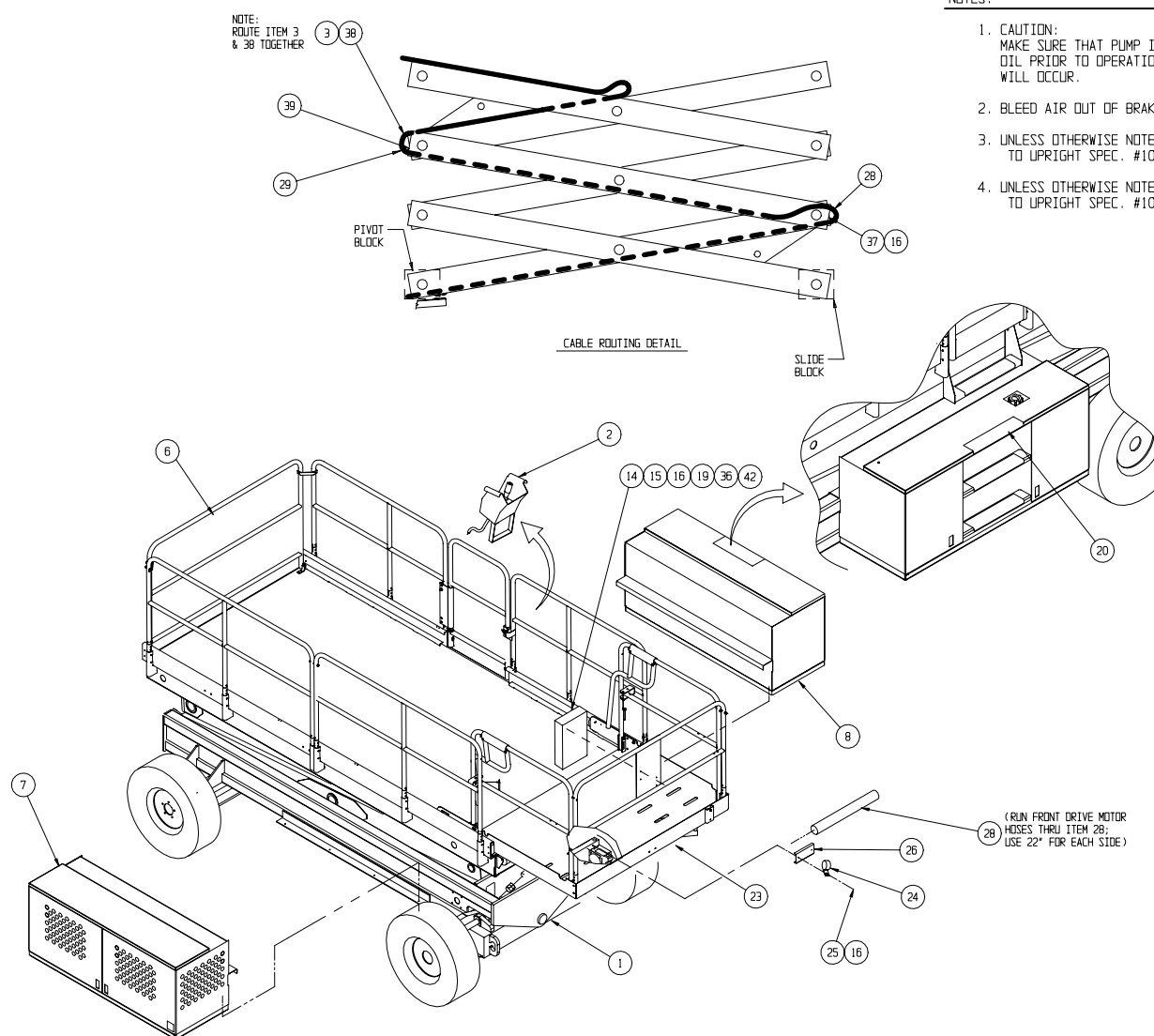
# Final Assembly, LX31

## 067505-021

ITEM	PART NO.	PART/MATERIAL DESCRIPTION	QTY.
1	067511-031	BASIC ASSY	1
2	067528-010	CONTROLLER ASSEMBLY	1
3	067536-010	CONTROL CABLE ASSEMBLY	1
*4	108055-013	LABEL-KIT (EURO)	1
*5	067533-046	HOSE-KIT	1
6	030867-331	GUARDRAIL	1
7	067522-013	POWER MODULE ASSEMBLY	1
8	067521-027	CONTROL MODULE ASSEMBLY	1
9	067534-011	HYDRAULIC SCHEMATIC	REF
10	067535-071	ELECTRICAL SCHEMATIC (EURO)	REF
*13	108135-000	SCISSOR GUARD	1
14	010076-000	MANUAL CASE	1
15	067903-025	USER MANUAL	1
16	011248-004	LOCKNUT, 1/4-20 UNC	7
*17	108040-010	PROXIMITY SW. INSTALL	1
19	011252-008	SCREW 1/4-20 UNC X 1	4
20	060830-001	SAFETY WALK 4 X 20	4
21	060540-021	DOCUMENTATION KIT	1
22	067904-028	SERVICE MANUAL	1

ITEM	PART NO.	PART/MATERIAL DESCRIPTION	QTY.
23	067866-037	FRONT ROLL OUT DECK	1
24	013919-013	CLAMP	5
25	014996-004	WASHER, 1/4 SAE FLAT	8
26	067699-000	HOSE CLAMP CHANNEL	2
*27	013283-002	CABLE MOUNT	4
28	067758-099	NYLON HOSE GUARD	8 FT
29	012865-099	WIRE LOOM 3/4 DIA	8 FT
*31	108043-004	FINAL ASSY WIRING (EUR.)	1
*32	108044-000	UPPER CONTROLLER WIRING	1
33	067909-010	MOTION ALARM	1
34	067908-001	HORN OPTION	1
35	030916-010	PLAT OVERLOAD OPTION	1
37	020398-012	CLAMP, CUSHIONED. Ø 1 1/2	2
38	029435-099	WIRE, 14 AWG-3 COND	60 FT
*41	030742-003	LANYARD OPTION	1
42	108049-029	PARTS MANUAL	1
43	110050-001	SPECIFICATION SHEET	REF

\* Not shown



## NOTES:

1. CAUTION: MAKE SURE THAT PUMP IS FILLED WITH HYDRAULIC OIL PRIOR TO OPERATION, OR SERIOUS DAMAGE WILL OCCUR.
2. BLEED AIR OUT OF BRAKES.
3. UNLESS OTHERWISE NOTED, TORQUE FASTENERS TO UPRIGHT SPEC. #105.
4. UNLESS OTHERWISE NOTED, TORQUE FITTINGS TO UPRIGHT SPEC. #106.

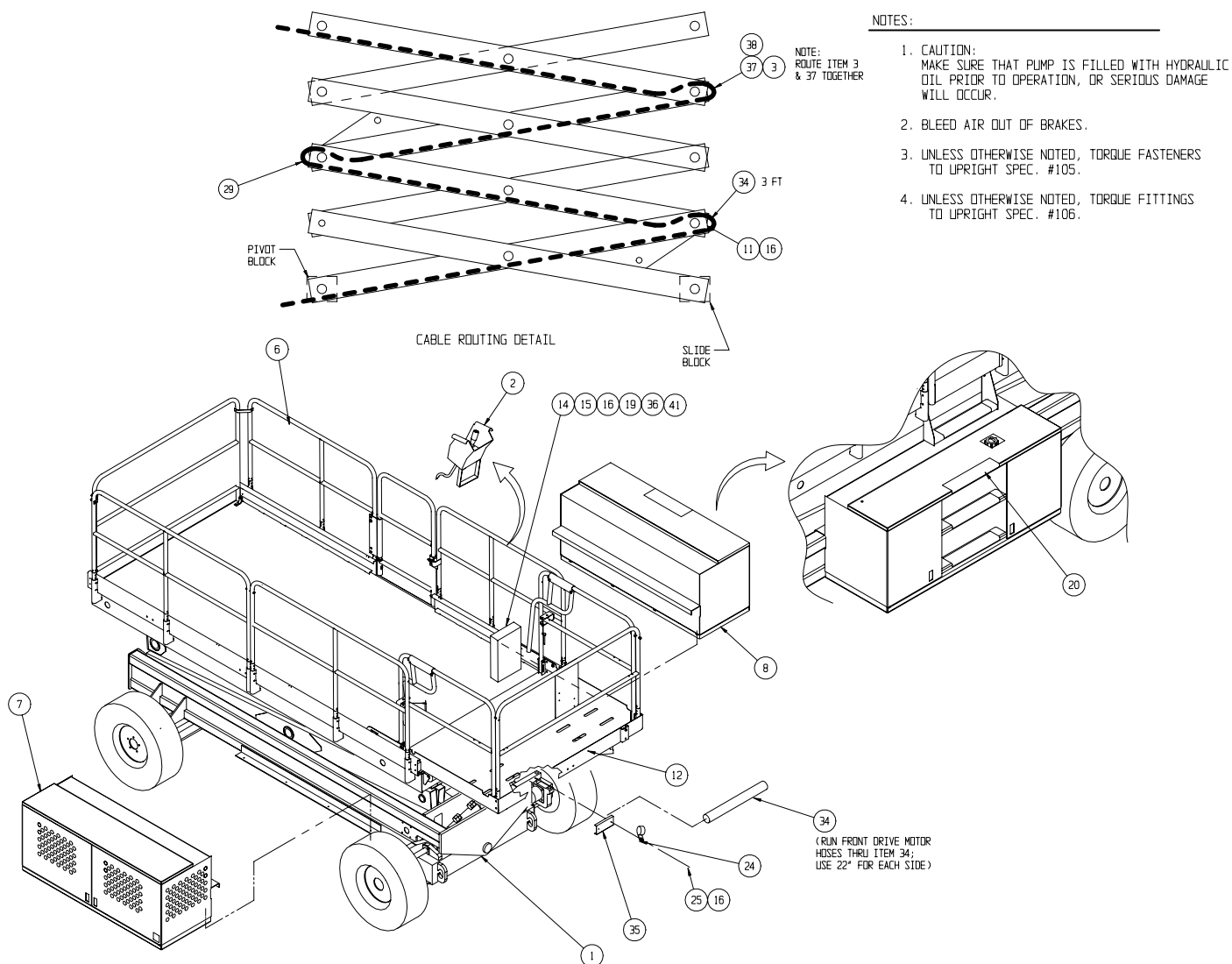
# Final Assembly, LX41

## 067545-021

ITEM	PART NO.	PART/MATERIAL DESCRIPTION	QTY.
1	067513-031	BASIC ASSY	1
2	067528-010	CONTROLLER ASSEMBLY	1
3	067536-011	CONTROL CABLE ASSEMBLY	1
*4	108055-015	LABEL-KIT (EURO)	1
*5	067533-046	HOSE-KIT	1
6	030867-331	GUARDRAIL	1
7	067522-013	POWER MODULE ASSEMBLY	1
8	067521-027	CONTROL MODULE ASSEMBLY	1
9	067534-011	HYDRAULIC SCHEMATIC	REF
10	067535-071	ELECTRICAL SCHEMATIC (EURO)	REF
11	020398-012	CLAMP, CUSHIONED, Ø 1 1/2	2
12	067866-037	ROLL OUT DECK - FRONT	1
*13	108136-000	SCISSOR GUARD	1
14	010076-000	MANUAL CASE	1
15	067903-025	USER MANUAL	1
16	011248-004	LOCKNUT, 1/4-20 UNC	7
*17	108040-010	PROXIMITY SW. INSTALL	1
18	011252-008	SCREW 1/4-20 UNC X 1	4
19	060830-001	SAFETY WALK 4 X 20	4

ITEM	PART NO.	PART/MATERIAL DESCRIPTION	QTY.
21	060540-021	DOCUMENTATION KIT	1
22	067904-028	SERVICE MANUAL	1
23	067909-010	MOTION ALARM	1
24	013919-013	CLAMP	5
25	014996-004	WASHER, 1/4 SAE FLAT	8
*26	013283-002	CABLE MOUNT	4
27	067908-001	HORN OPTION	1
28	030916-010	PLAT OVERLOAD OPTION	1
29	012865-099	WIRE LOOM 3/4 DIA	8
*31	108043-008	FINAL ASSY WIRING (EUR.)	1
*32	108044-000	UPPER CONTROLLER WIRING	1
34	067758-099	NYLON HOSE GUARD	8 FT
35	067699-000	HOSE CLAMP CHANNEL	2
37	029435-099	WIRE, 14 AWG-3 COND	72 FT
*40	030742-003	LANYARD OPTION	1
42	108049-029	PARTS MANUAL	1
43	110052-001	SPECIFICATION SHEET	REF

\* Not shown



# Final Assembly, LX50

## 067549-021

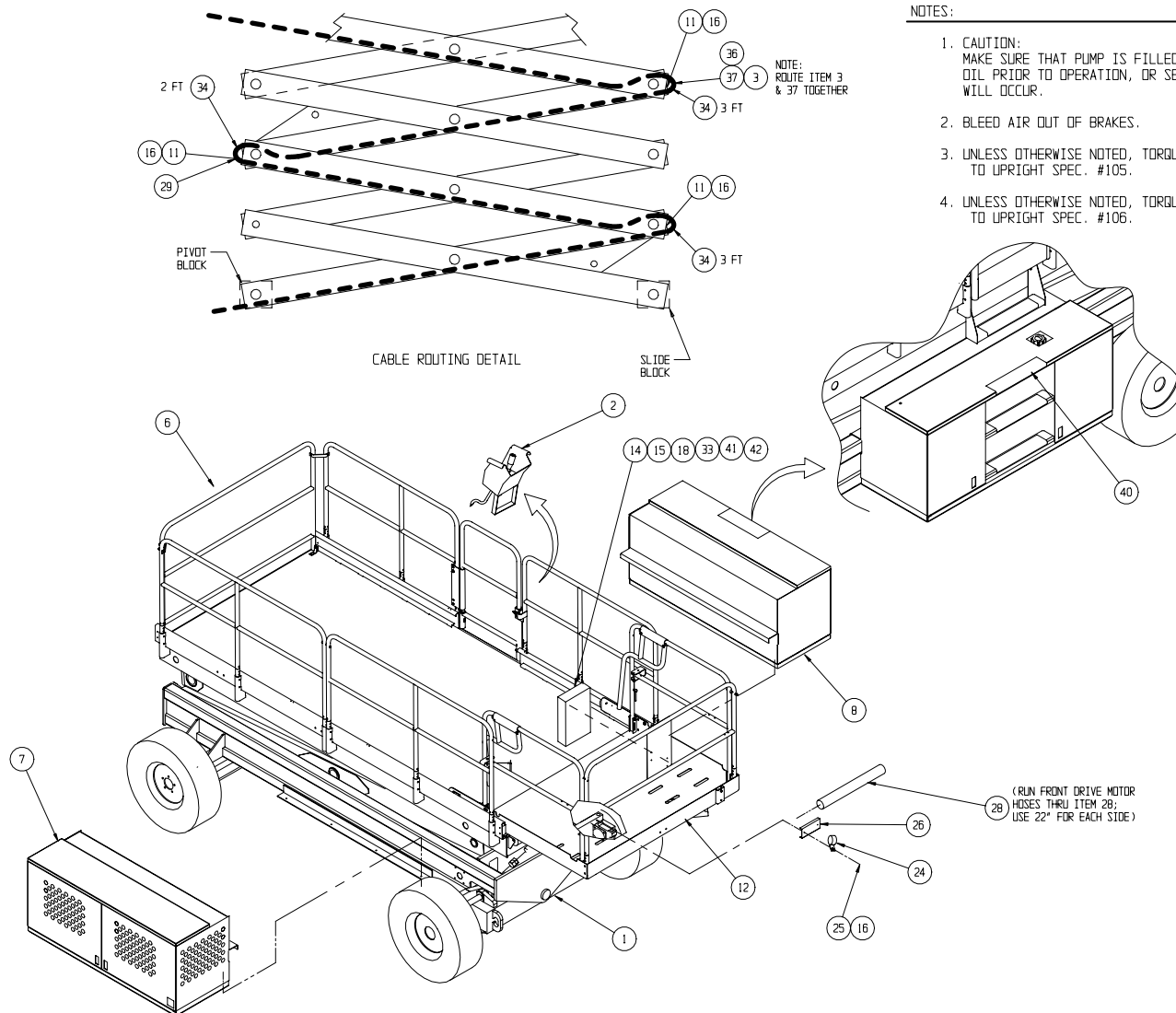
ITEM	PART NO.	PART/MATERIAL DESCRIPTION	QTY
1	067509-031	BASIC ASSY	1
2	067528-010	CONTROLLER ASSEMBLY	1
3	067536-012	CONTROL CABLE ASSEMBLY	1
*4	108055-017	LABEL-KIT (EURO)	1
*5	067533-047	HOSE-KIT	1
6	030867-331	GUARDRAIL	1
7	067522-013	POWER MODULE ASSEMBLY	1
8	067521-031	CONTROL MODULE ASSEMBLY	1
9	067534-017	HYDRAULIC SCHEMATIC	REF
10	067535-073	ELECTRICAL SCHEMATIC (EURO)	REF
11	020398-012	CLAMP, CUSHIONED, Ø 1 1/2	4
12	067866-037	FRONT ROLL OUT DECK	1
*13	108136-000	SCISSOR GUARD	1
14	010076-000	MANUAL CASE	1
15	067903-025	USER MANUAL	1
16	011248-004	LOCKNUT, 1/4-20 UNC	9
*17	108040-010	PROXIMITY SW. INSTALL	1
18	011252-008	SCREW 1/4-20 UNC X 1	4
*19	108041-000	MERCURY SW. INSTL.	1
20	108038-000	ELECTRIC E-DOWN LX50 ASSY	1

ITEM	PART NO.	PART/MATERIAL DESCRIPTION	QTY
21	060540-021	DOCUMENTATION KIT	1
22	067904-028	SERVICE MANUAL	1
23	067909-010	MOTION ALARM	1
24	013919-013	CLAMP	5
25	014996-004	WASHER, 1/4 SAE FLAT	8
*26	013283-002	CABLE MOUNT	4
*27	067908-001	HORN OPTION	1
28	030916-010	PLAT OVERLOAD OPTION	1
29	012865-099	WIRE LOOM 3/4 DIA	8 FT
*31	108043-012	FINAL ASSY WIRING (EUR.)	1
*32	108044-000	UPPER CONTROLLER WIRING	1
34	067758-099	NYLON HOSE GUARD	19 FT
35	067699-000	HOSE CLAMP CHANNEL	2
37	029435-099	WIRE, 14 AWG-3 COND	84 FT
*39	030742-003	LANYARD OPTION	1
*40	060830-001	SAFETY WALK 4 X 20	4
42	108049-029	PARTS MANUAL	1
43	110054-001	SPECIFICATION SHEET	REF

\* Not shown

## NOTES:

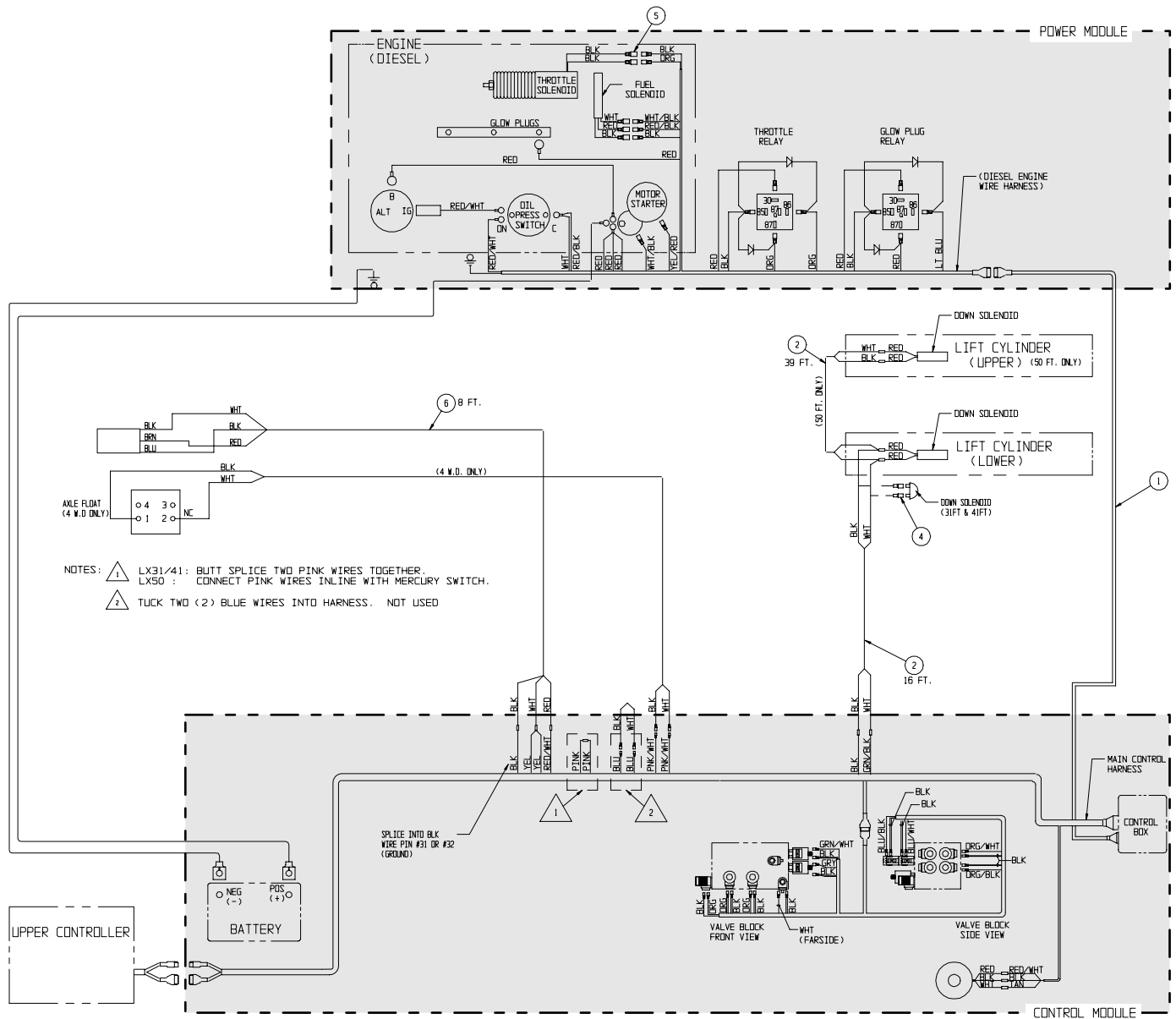
1. CAUTION: MAKE SURE THAT PUMP IS FILLED WITH HYDRAULIC OIL PRIOR TO OPERATION, OR SERIOUS DAMAGE WILL OCCUR.
2. BLEED AIR OUT OF BRAKES.
3. UNLESS OTHERWISE NOTED, TORQUE FASTENERS TO UPRIGHT SPEC. #105.
4. UNLESS OTHERWISE NOTED, TORQUE FITTINGS TO UPRIGHT SPEC. #106.



# Final Assembly Wiring Diagram

## 108043-004/-008/-012

ITEM	PART NO.	PART/MATERIAL DESCRIPTION	-004	-008	-012
			LX31 4WD	LX41 4WD	LX50 4WD
1	067492-003	WIRE HARNESS, ENGINE	1	1	1
2	029490-099	2 CONDUCTOR, 16 GA. CABLE	24 FT	24 FT	62 FT
3	029620-002	CONNECTOR, BUTT 16-14 GA.	14	14	21
4	029931-003	CONNECTOR, FEMALE PUSH 16-14 GA. .25 TAB	2	2	—
5	014914-001	CONNECTOR, MALE PUSH 16-14 GA. .25 TAB	3	3	3
6	029447-099	CABLE 3 COND 16 GA	8	8	8



# Basic Assembly

**LX31 – 067511-031**

**LX41 – 067513-031**

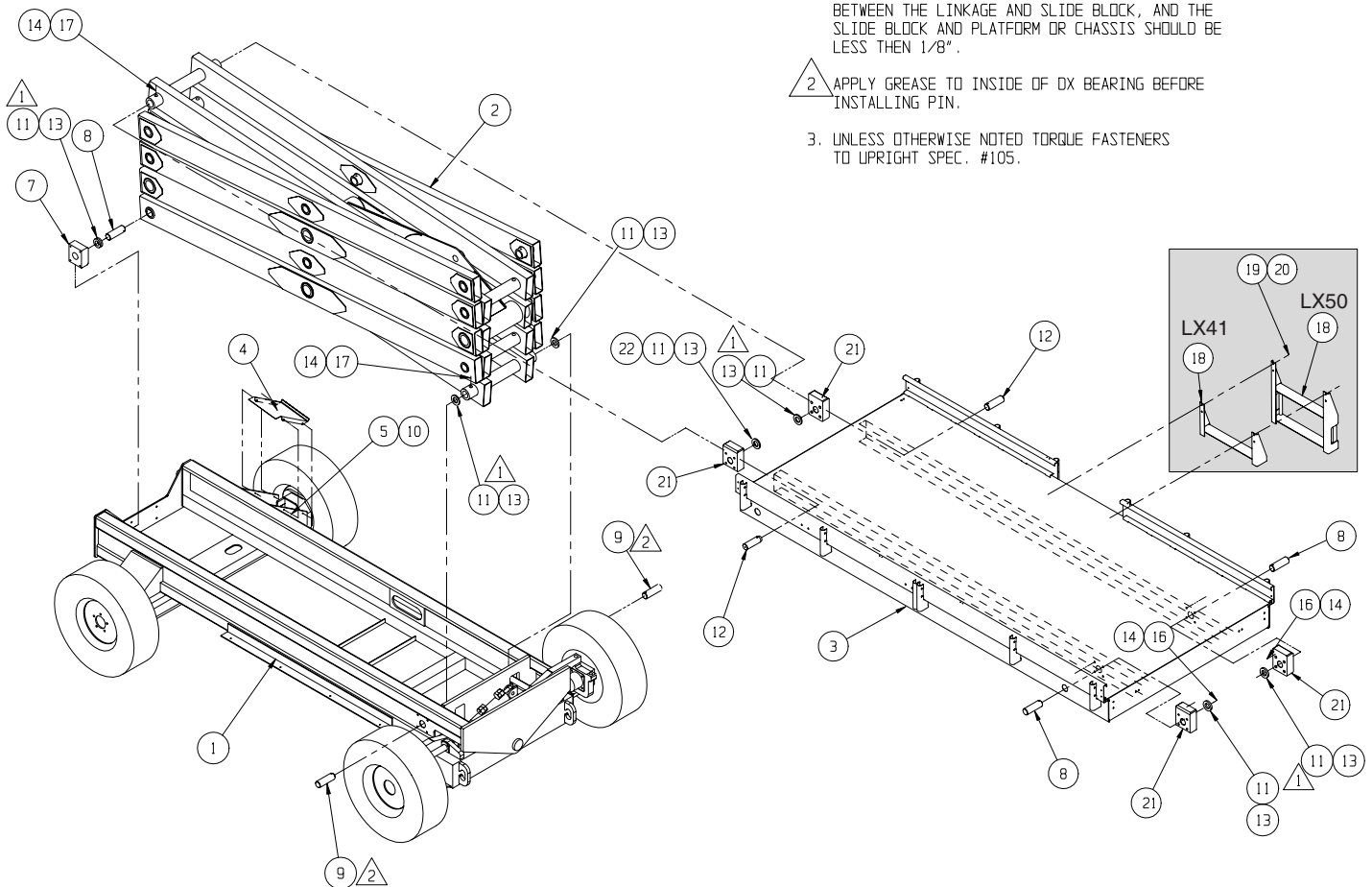
**LX50 – 067509-031**

ITEM	MODEL	PART NO.	PART/MATERIAL DESCRIPTION	QTY.
1	LX31	067519-010	CHASSIS ASSEMBLY	1
	LX41	067519-010	CHASSIS ASSEMBLY	
	LX50	067519-011	CHASSIS ASSEMBLY	
2	LX31	067422-000	SCISSOR LINKAGE	1
	LX41	067423-000		
	LX50	067424-000		
3		030987-000	PLATFORM WELDMENT	1
4		067879-000	MOTOR COVER	2
5		011253-008	SCR HHC 5/16 X 1	8
7		067738-000	SLIDE BLOCK	2
8		067852-000	PIN	4
9		067853-000	PIN	2
10		014996-005	WASHER 5/16 DIA	8

ITEM	MODEL	PART NO.	PART/MATERIAL DESCRIPTION	QTY.
11		066189-000	SPACER 1/4	A/R
12		067853-002	PIN	2
13		066189-004	SPACER 1/8	A/R
14		011248-008	NUT 1/2-13 ESNA	12
16		011256-028	SCREW HHC 1/2-13 X 3 1/2	8
17		014033-032	SCREW HHC 1/2-13 X 4	8
18	LX41	030841-050	LADDER WELDMENT	1
	LX50	030841-140	LADDER WELDMENT	
19		011254-020	SCREW HHC 3/8-16 X 2 1/2	4
20		011248-006	NUT 3/8-16 ESNA	4
21		067738-001	SLIDE BLOCK	4
22		066189-001	SPACER 3/8"	A/R

## NOTES:

- 1 USE WEAR PAD COMBINATION AS REQUIRED TO SECURE AND ALIGN FRONT END OF SCISSOR STACK. THE GAP BETWEEN THE LINKAGE AND SLIDE BLOCK, AND THE SLIDE BLOCK AND PLATFORM OR CHASSIS SHOULD BE LESS THEN 1/8".
- 2 APPLY GREASE TO INSIDE OF DX BEARING BEFORE INSTALLING PIN.
3. UNLESS OTHERWISE NOTED TORQUE FASTENERS TO UPRIGHT SPEC. #105.



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**NOTES:**

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# Chassis Assembly, LX31/LX41

## 067519-010

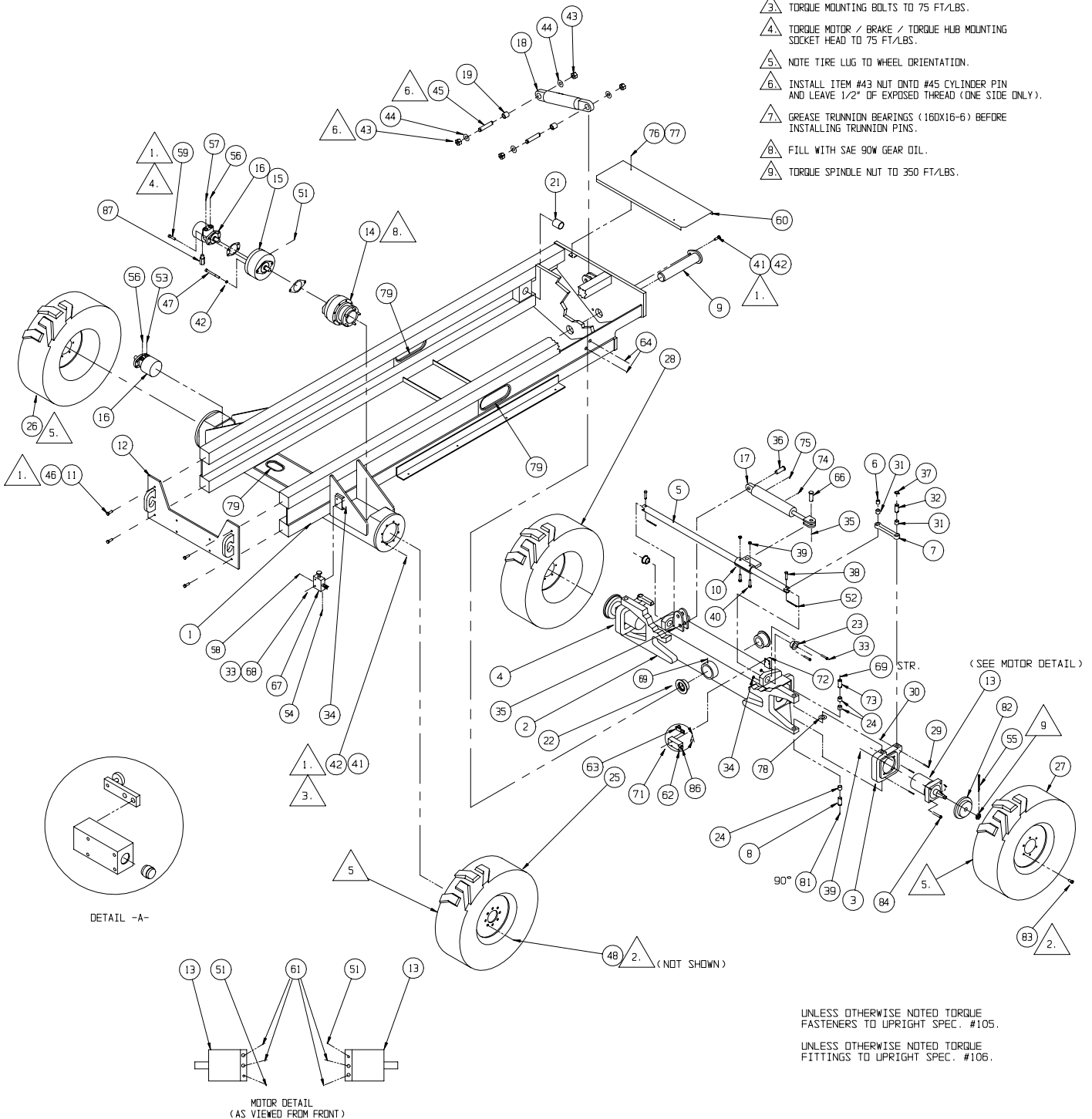
ITEM	PART NO.	PART/MATERIAL DESCRIPTION	QTY.
1	067729-010	CHASSIS WELDMENT	1
2	067700-000	AXLE WELDMENT	1
3	067743-000	TRUNNION (L.H.)	1
4	067742-000	TRUNNION (R.H.)	1
5	067739-000	STEERING LINK	1
6	067812-000	BUSHING, STEERING	2
7	067813-000	CONNECTING LINK	2
8	067746-000	TRUNNION PIN	2
9	067814-000	PIVOT SHAFT, FRONT AXLE	1
10	067748-000	STEERING CLAMP	1
11	011238-012	LOCKWASHER SPLIT 3/4	4
12	067816-000	PLATE WELDMENT	1
13	067607-003	HYDRAULIC MOTOR (FRONT)	2
*	067607-010	HYDRAULIC MOTOR SEAL KIT	REF
14	067600-002	TORQUE HUB	2
15	067603-002	BRAKE	2
*	067603-011	SEAL KIT	REF
16	067601-003	HYDRAULIC MOTOR(NO RELIEF VLV)	2
*	061817-010	SEAL KIT	REF
17	067633-000	STEERING CYLINDER	1
*	067633-010	STEERING CYLINDER SEAL KIT	REF
18	108060-000	AXLE PIVOT CYLINDER ASSY	1
*	108058-000	AXLE PIVOT CYLINDER	1
*	108050-010	AXLE PIVOT CYLINDER SEAL KIT	REF
19	067637-000	PIVOT BUSHING	2
21	067606-021	BEARING, SCISSOR PIVOT	2
22	064298-005	BEARING, AXLE PIVOT	2
23	062649-020	BEARING, STEERING ROD	2
24	067606-010	BEARING 16DX16	6
25	067666-004	TIRE & WHEEL - RH	1
26	067666-005	TIRE & WHEEL - LH	1
27	067664-000	TIRE & WHEEL - RH 4WD FRONT	1
28	067664-001	TIRE & WHEEL - LH 4WD FRONT	1
29	011252-020	SCREW, HHC 1/4-20UNC X 2-1/2	6
30	011248-004	NUT, HEX 1/4-20 ESNA	6
31	062642-020	BEARING, 16 DU 12	4
32	067746-001	STEERING LINK PIN	2
33	011254-018	SCREW, HHC 3/8-16UNC X 2-1/4	6
34	011248-006	NUT, HEX 3/8-16UNC ESNA	6
35	062889-012	PIN, HAIR COTTER .177 X 3-1/2	2
36	011848-050	PIN, CLEVIS 1 X 2-3/4	1
37	013315-011	RETAINING "E" RING	2
38	011848-030	CLEVIS PIN 1/2 X 2	2
39	011248-008	NUT, HEX 1/2-13UNC ESNA	9
40	011256-028	SCREW, HHC 1/2-13UNC X 3-1/2	2

ITEM	PART NO.	PART/MATERIAL DESCRIPTION	QTY.
41	011256-012	SCREW, HHC 1/2-13UNC X 1-1/2	16
42	011238-008	LOCKWASHER, SPLIT 1/2	29
43	011249-016	LOCKNUT, HEX 1-14UNF ESNA	4
44	011297-016	WASHER, BELL 1"	4
45	064370-001	CYLINDER PIN 1 X 5-1/4	2
46	011258-012	SCREW, HHC 3/4-10UNC X 1-1/2	4
47	012030-038	SCREW, SOC HD 1/2-13UNC X 4 3/4	8
48	011469-005	LUG NUT, 9/16-18 90°	16
51	011934-001	FITTING, 90° 4MB - 4MJ	4
52	011757-005	COTTER PIN	1
53	015961-010	FITTING, TEE 10MB - 10MJ-10MJ	1
54	011941-001	FITTING-4MB-4MJ	1
55	011754-012	COTTER PIN 5/32 X 1-1/2	2
56	011935-006	FITTING, 45° 10MB - 10MJ	2
57	011934-011	FITTING, 90° 10MB - 10MJ	1
58	011934-003	FITTING, 90° 6MB - 4MJ	2
59	012030-010	SCREW SOC HD 1/2-13 X 1-1/4	8
60	067878-000	AXLE COVER 4WD	1
61	067674-008	FITTING 45° 12MB-8MJ	4
62	064296-004	LIMIT SWITCH	1
63	064294-005	CLAMP LEVER	1
64	012002-010	FITTING 10MJ - 10MJ 90°	4
66	011848-051	CLEVIS PIN 1" DIA. X 2"	1
67	063978-000	PUMP HAND (BRAKE)	1
68	011240-006	WASHER 3/8 STD	6
69	013336-001	FITTING, LOSE STR	3
71	011709-018	SCREW MACH RD HD 10-24 X 2-1/4	4
72	011248-003	NUT HEX ESNA 10-24	4
73	067746-002	TRUNNION PIN UPPER	2
74	011935-003	FITTING 6MB - 6MJ 45°	1
75	011941-005	FITTING 6MB - 6MJ STR	1
76	011252-004	SCREW HHC 1/4-20 X 1/2	2
77	011240-004	WASHER 1/4 FLAT STD	2
78	064279-000	THRUST WASHER	2
79	067805-099	GROMMET MATL	FT 7.00
80	024501-003	SHEET 1/8 RUBBER 3 X 48	1
81	013336-003	FITTING LUBE 90°	2
82	067865-000	WHEEL HUB	2
83	014122-001	WHEEL BOLT	12
84	012030-024	SCREW, SOC HD 1/2-13 X 3	8
85	067603-013	GASKET	REF
86	029925-000	CABLE, CONNECTOR 1/2"	1
87	012877-009	BIDIRECTIONAL RELIEF VALVE 1800 PSI	2

\* Not shown

## NOTES:

1. APPLY LOCTITE 242 TO THREADS.
2. TORQUE WHEEL NUTS TO 150 FT/LBS. FRONT AND REAR. REFER TO SERVICE INFORMATION #SI 98.1.
3. TORQUE MOUNTING BOLTS TO 75 FT/LBS.
4. TORQUE MOTOR / BRAKE / TORQUE HUB MOUNTING SOCKET HEAD TO 75 FT/LBS.
5. NOTE TIRE LUG TO WHEEL ORIENTATION.
6. INSTALL ITEM #43 NUT ONTO #45 CYLINDER PIN AND LEAVE 1/2" OF EXPOSED THREAD (ONE SIDE ONLY).
7. GREASE TRUNNION BEARINGS (160X16-6) BEFORE INSTALLING TRUNNION PINS.
8. FILL WITH SAE 90W GEAR OIL.
9. TORQUE SPINDLE NUT TO 350 FT/LBS.



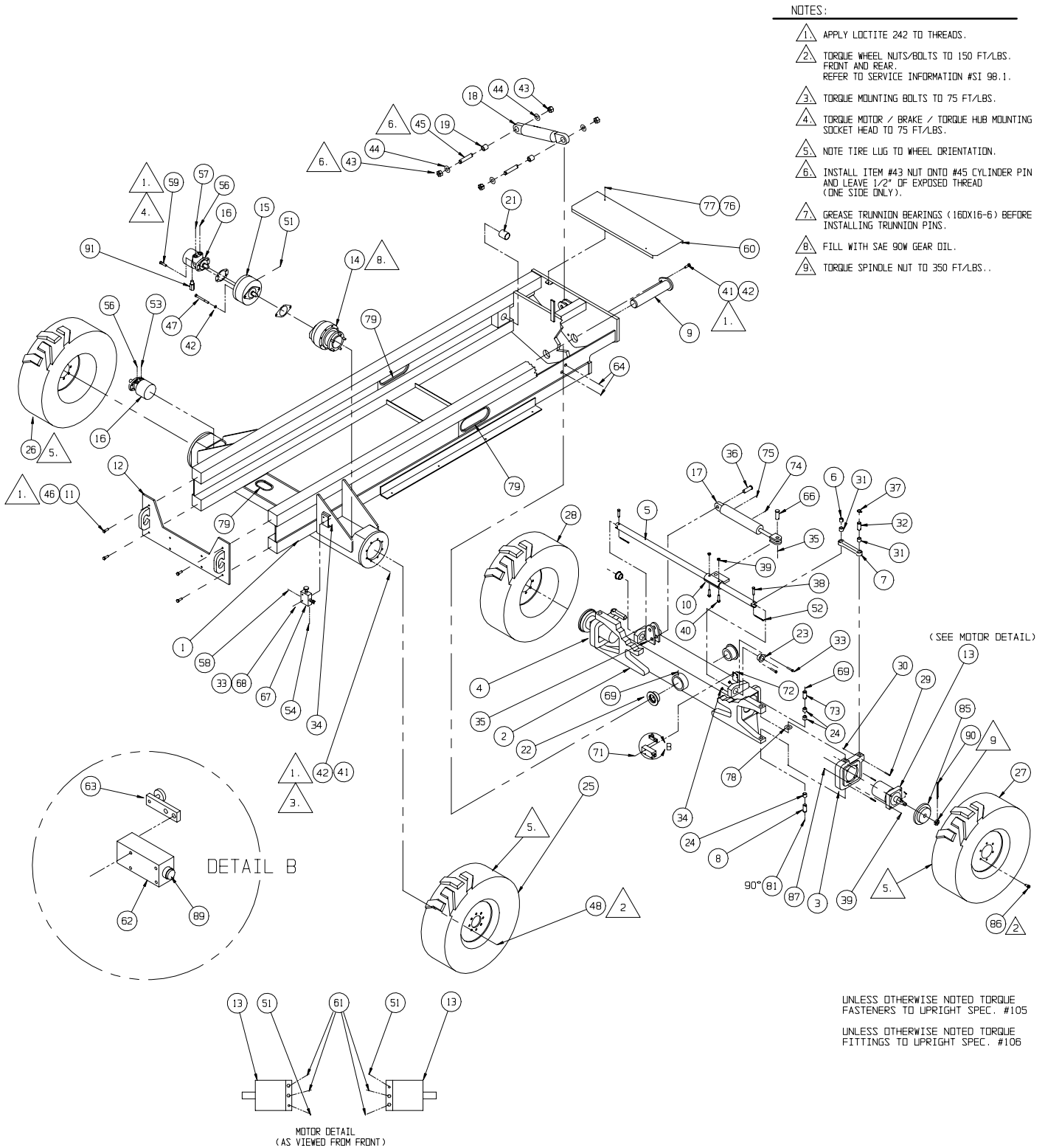
# Chassis Assembly, LX50

## 067519-011

ITEM	PART NO.	PART/MATERIAL DESCRIPTION	QTY.
1	067729-010	CHASSIS WELDMENT	1
2	067700-000	AXLE WELDMENT	1
3	067743-000	TRUNNION (L.H.)	1
4	067742-000	TRUNNION (R.H.)	1
5	067739-000	STEERING LINK	1
6	067812-000	BUSHING, STEERING	2
7	067813-000	CONNECTING LINK	2
8	067746-000	TRUNNION PIN	2
9	067814-000	PIVOT SHAFT, FRONT AXLE	1
10	067748-000	STEERING CLAMP	1
11	011238-012	LOCKWASHER SPLIT 3/4	4
12	067816-000	PLATE WELDMENT	1
13	067607-003	HYDRAULIC MOTOR (FRONT)	2
*	067607-010	HYDRAULIC MOTOR SEAL KIT	REF
14	067600-002	TORQUE HUB	2
15	067603-002	BRAKE	2
*	067603-011	SEAL KIT	REF
16	067601-003	HYDRAULIC MOTOR(NO RELIEF VLV)	2
*	061817-010	HYDRAULIC MOTOR SEAL KIT	REF
17	067633-000	STEERING CYLINDER	1
*	067633-010	STEERING CYLINDER SEAL KIT	REF
18	108060-000	AXLE PIVOT CYLINDER ASSY	1
*	108058-000	AXLE PIVOT CYLINDER	
*	108050-010	AXLE PIVOT CYLINDER SEAL KIT	REF
19	067637-000	PIVOT BUSHING	2
21	067606-021	BEARING, SCISSOR PIVOT	2
22	064298-005	BEARING, AXLE PIVOT	2
24	067606-010	BEARING 16DX16	6
23	062649-020	BEARING, STEERING ROD	2
25	067666-006	TIRE & WHEEL - RH	1
26	067666-007	TIRE & WHEEL - LH	1
27	067664-002	TIRE & WHEEL - RH 4WD FRONT	1
28	067664-003	TIRE & WHEEL - LH 4WD FRONT	1
29	011252-020	SCREW, HHC 1/4-20UNC X 2-1/2	6
30	011248-004	NUT, HEX 1/4-20 ESNA	6
31	062642-020	BEARING, 16 DU 12	4
32	067746-001	STEERING LINK PIN	2
33	011254-018	SCREW, HHC 3/8-16UNC X 2-1/4	6
34	011248-006	NUT, HEX 3/8-16UNC ESNA	6
35	062889-012	PIN, HAIR COTTER .177 X 3-1/2	2
36	011848-050	PIN, CLEVIS 1 X 2-3/4	1
37	013315-011	RETAINING "E" RING	2
38	011848-030	CLEVIS PIN 1/2 X 2	2
39	011248-008	NUT, HEX 1/2-13UNC ESNA	17
40	011256-028	SCREW, HHC 1/2-13UNC X 3-1/2	2
41	011256-012	SCREW, HHC 1/2-13UNC X 1-1/2	16
42	011238-008	LOCKWASHER, SPLIT 1/2	29

ITEM	PART NO.	PART/MATERIAL DESCRIPTION	QTY.
43	011249-016	LOCKNUT, HEX 1-14UNF ESNA	4
44	011297-016	WASHER, BELL 1"	4
45	064370-001	SCREW, HHC 3/4-10UNC X 1-1/2	2
45	064370-001	CYLINDER PIN 1 X 5-1/4	2
45	064370-001	CYLINDER PIN 1 X 5-1/4	2
46	011258-012	SCREW, HHC 3/4-10UNC X 1-1/2	4
47	012030-038	SCREW, SOC HD 1/2-13UNC X 4 3/4	8
48	011469-005	LUG NUT, 9/16-18 90°	16
51	011934-001	FITTING, 90° 4MB - 4MJ	4
52	011757-005	COTTER PIN	1
53	015961-010	FITTING, TEE 10MB - 10MJ-10MJ	1
54	011941-001	FITTING, 4MB-4MJ	1
55	011941-014	FITTING, 12MB - 8MJ	2
56	011935-006	FITTING, 45° 10MB - 10MJ	2
57	011934-011	FITTING, 90° 10MB - 10MJ	1
58	011934-003	FITTING, 90° 6MB - 4MJ	2
59	012030-010	SCREW SOC HD 1/2-13 X 1-1/4	8
60	067878-000	AXLE COVER 4WD	1
61	067674-008	FITTING 45° 12MB-8MJ	4
62	064296-004	LIMIT SWITCH	1
63	064294-005	CLAMP LEVER	1
64	012002-010	FITTING 10MJ - 10MJ 90°	4
66	011848-051	CLEVIS PIN 1" DIA. X 2"	1
67	063978-000	PUMP HAND (BRAKE)	1
68	011240-006	WASHER 3/8 STD	6
69	013336-001	FITTING, LUBE STR	3
71	011709-018	SCREW MACH RD HD 10-24 X 2-1/4	4
72	011248-003	NUT HEX ESNA 10-24	4
73	067746-002	TRUNNION PIN UPPER	2
74	011935-003	FITTING 6MB - 6MJ 45°	1
75	011941-005	FITTING 6MB - 6MJ STR	1
76	011252-004	SCREW HHC 1/4-20 X 1/2	2
77	011240-004	WASHER 1/4 FLAT STD	2
78	064279-000	THRUST WASHER	2
79	067805-099	GROMMET MATL	FT 7.00
80	024501-003	SHEET 1/8 RUBBER 3 X 48	1
81	013336-003	FITTING LUBE 90°	2
85	067865-000	WHEEL HUB	2
86	014122-001	WHEEL BOLT	12
87	012030-024	SCREW SOC HD 1/2-13 X 3	8
88	067603-013	GASKET	REF
89	029925-000	CABLE, CONNECTOR 1/2"	1
90	011754-012	COTTER PIN 5/32 X 1-1/2	2
91	012877-009	BIDIRECTIONAL RELIEF VALVE 1800 PSI	2

\* Not shown



# Scissor Linkage Assembly, LX31

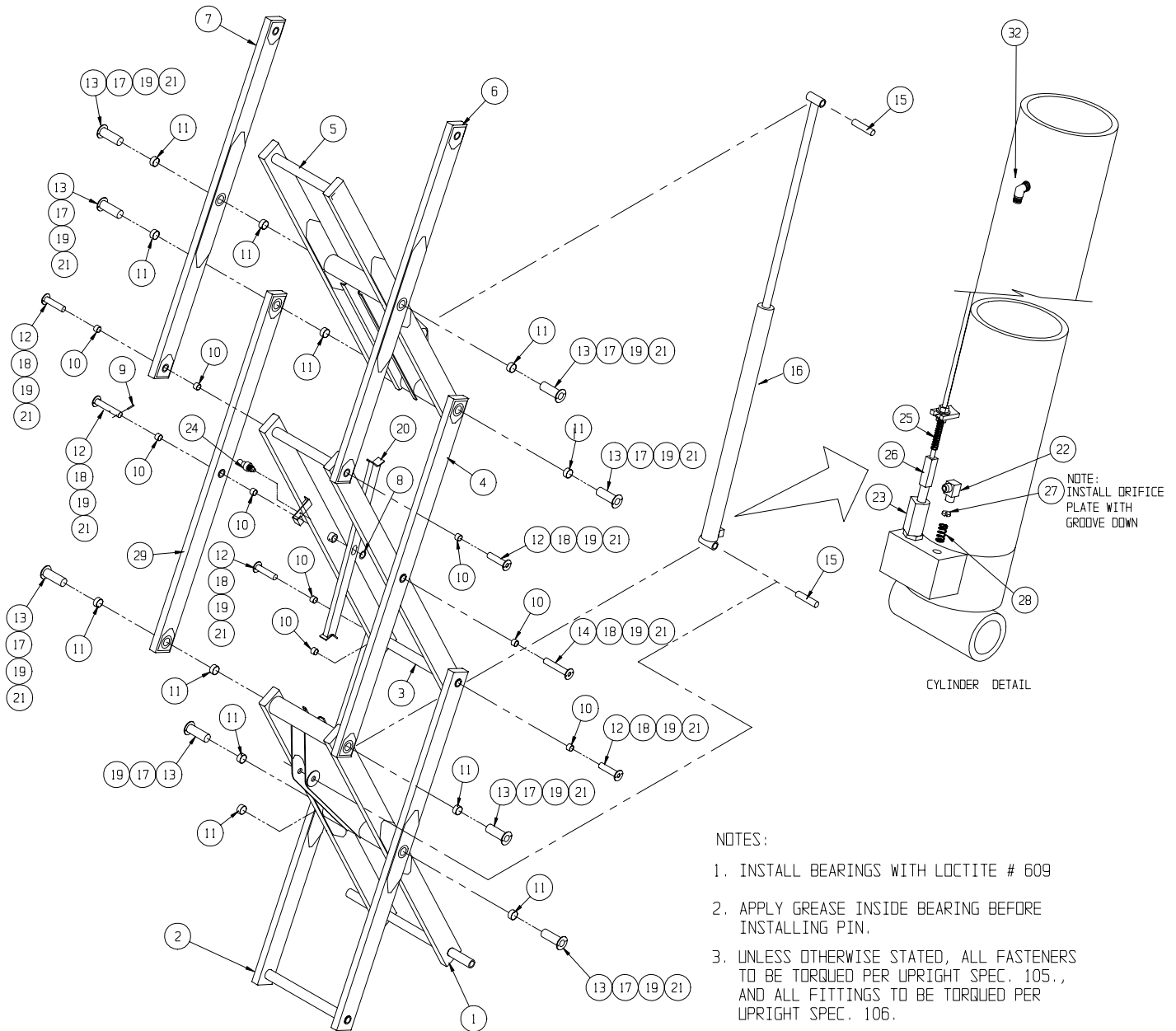
## 067422-000

ITEM	PART NO.	PART/MATERIAL DESCRIPTION	QTY.
1	067550-001	ARM WELDMENT	1
2	067551-002	ARM WELDMENT	1
3	067552-000	ARM WELDMENT	1
4	067593-001	ARM WELDMENT	1
5	067828-001	ARM WELDMENT	1
6	067830-000	ARM WELDMENT	1
7	067832-000	ARM WELDMENT	1
8	011786-017	MACHINERY BUSHING, 2" ID X 14 GA.	1
9	011757-028	COTTER PIN 3/8 DIA X 3-1/2	1
†10	067606-020	BEARING, 2" I.D. X 1 1/2" LG.	12
†11	067606-030	BEARING, 3" I.D. X 1 1/2" LG.	16
12	067583-000	PIN WELDMENT	5
13	067580-000	PIN WELDMENT	8
14	067585-000	PIN WELDMENT	1
15	067586-000	PIN, CYLINDER	2

ITEM	PART NO.	PART/MATERIAL DESCRIPTION	QTY.
16	067635-021	LIFT CYLINDER	1
*	067635-031	LIFT CYLINDER SEAL KIT	REF
17	014033-048	H.H.C.S. 1/2-13 UNC X 6 GR. 8	8
18	014033-032	H.H.C.S. 1/2-13 UNC X 4 GR. 8	6
19	011248-008	HEX LOCK NUT 1/2-13 UNC	14
20	067591-000	SUPPORT WELDMENT	1
21	013336-001	GREASE FITTING	14
22	011934-004	ADAPTER 90° #6	1
23	063925-003	DOWN VALVE	1
24	03570-001	RETAINING PIN ASSLY	1
25	067659-000	CABLE ASSY	1
26	067877.000	COUPLER	1
27	015919-006	ORIFICE PLATE	1
28	05133-000	SPRING	1
29	067593-010	ARM WELDMENT	1
32	011940-006	FITTING 4MP-6MJ 90°	1

† See Note 1

‡ See Note 2



# Scissor Linkage Assembly, LX41

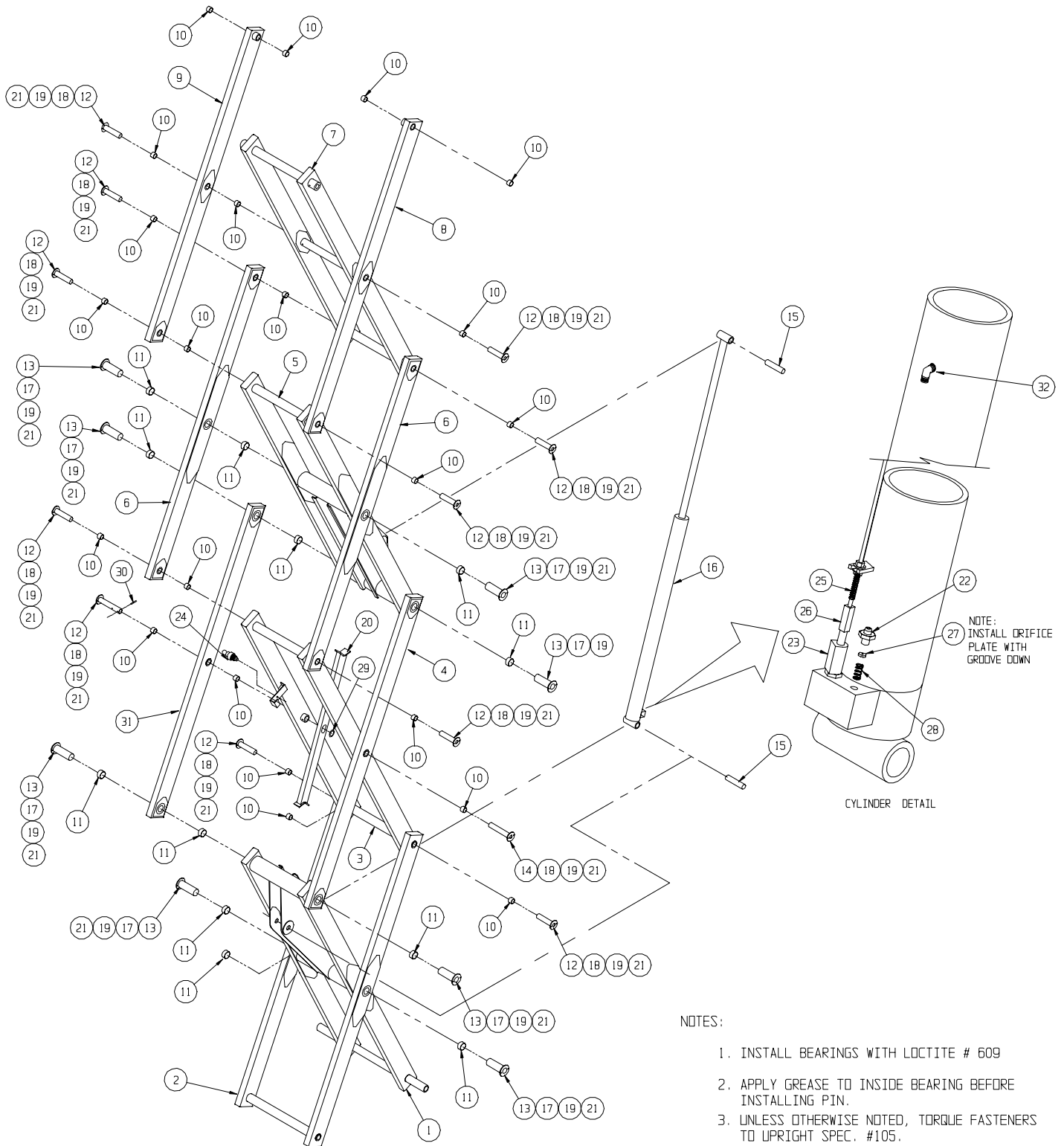
## 067423-000

ITEM	PART NO.	PART/MATERIAL DESCRIPTION	QTY.
1	067550-001	ARM WELDMENT	1
2	067551-002	ARM WELDMENT	1
3	067552-000	ARM WELDMENT	1
4	067593-001	ARM WELDMENT	1
5	067553-001	ARM WELDMENT	1
6	067554-000	ARM WELDMENT	2
7	067555-000	ARM WELDMENT	1
8	067556-000	ARM WELDMENT	1
9	067557-000	ARM WELDMENT	1
†10	067606-020	BEARING, 2" I.D. X 1 1/2" LG.	28
†11	067606-030	BEARING, 3" I.D. X 1 1/2" LG.	16
12	067583-000	PIN WELDMENT	11
13	067580-000	PIN WELDMENT	8
14	067585-000	PIN WELDMENT	1
15	067586-000	PIN, CYLINDER	2
16	067635-021	LIFT CYLINDER	1
*	067635-031	LIFT CYLINDER SEAL KIT	REF

ITEM	PART NO.	PART/MATERIAL DESCRIPTION	QTY.
17	014033-048	H.H.C.S. 1/2-13 UNC X 7 1/2 GR. 8	8
18	014033-032	H.H.C.S. 1/2-13 UNC X 4 1/2 GR. 8	12
19	011248-008	HEX LOCK NUT 1/2-13 UNC	20
20	067591-000	SUPPORT WELDMENT	1
21	013336-001	GREASE FITTING	20
22	011941-005	STRAIGHT ADAPTER #6	1
23	063925-003	DOWN VALVE	1
24	03570-001	RETAINING PIN ASSLY	1
25	067659-010	CABLE ASSLY	1
26	067877-000	COUPLER	1
27	15919-003	ORIFICE PLATE	1
28	05133-000	SPRING	1
29	011786-017	MACHINERY BUSHING, 2" ID X 14 GA.	1
30	011757-028	COTTER PIN 3/8 DIA X 3-1/2	1
31	067593-010	ARM WELDMENT	1
32	011940-006	FITTING 4MP-6MJ 90°	1

† See Note 1

‡ See Note 2



# Scissor Linkage Assembly, LX50

## 067424-000

ITEM	PART NO.	PART/MATERIAL DESCRIPTION	QTY.
1	067968-001	ARM WELDMENT	1
2	067969-001	ARM WELDMENT	1
3	067970-000	ARM WELDMENT	1
4	067971-001	ARM WELDMENT	1
5	067972-001	ARM WELDMENT	1
6	067973-000	ARM WELDMENT	2
7	067974-000	ARM WELDMENT	1
8	067975-000	ARM WELDMENT	1
9	067557-010	ARM WELDMENT	1
†10	067606-020	BEARING, 2" I.D. X 1 1/2" LG.	48
†11	067606-030	BEARING, 3" I.D. X 1 1/2" LG.	8
12	067583-000	PIN WELDMENT	20
13	067580-000	PIN WELDMENT	4
14	067585-000	PIN WELDMENT	2
15	067586-000	PIN, CYLINDER	4
16	067635-025	LIFT CYLINDER	1
*	067635-035	LIFT CYLINDER SEAL KIT	REF
17	014033-048	SCREW 1/2-13 UNC X 6 GR. 8	4
18	014033-032	SCREW HHC 1/2-13 UNC X 4 GR. 8	12
19	011248-008	HEX LOCK NUT 1/2-13 UNC	26
20	067591-000	SUPPORT WELDMENT	2
21	013336-001	GREASE FITTING	26

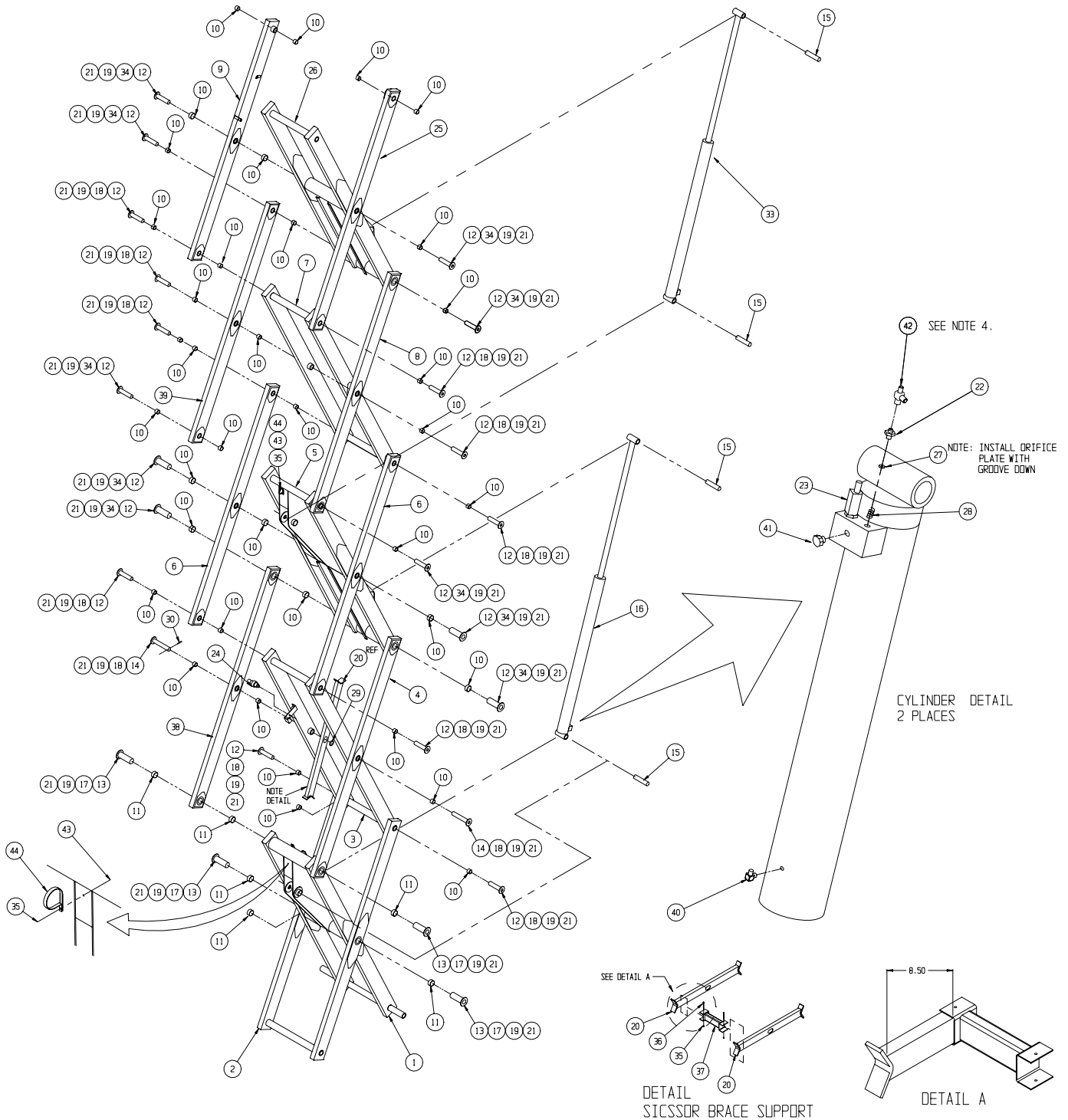
ITEM	PART NO.	PART/MATERIAL DESCRIPTION	QTY.
22	011941-005	STRAIGHT ADAPTER #6	2
23	060291-000	DOWN VALVE	2
24	003570-002	RETAINING PIN ASSLY	1
25	067556-000	ARM WELDMENT	1
26	067976-001	ARM WELDMENT	1
27	015919-003	ORIFICE PLATE	2
28	005133-000	SPRING	2
29	011786-017	MACHINERY BUSHING, 2" ID X 14 GA.	2
30	011757-028	COTTER PIN 3/8 DIA X 3-1/2	2
33	067635-024	LIFT CYLINDER	1
*	067635-034	LIFT CYLINDER SEAL KIT	REF
34	011256-036	SCREW HHC 1/2-13UNC X 4 1/2	10
35	011248-004	NUT HEX ESNA 1/4-20UNC	4
36	011252-040	SCREW HEX 1/4-20UNC X 5	2
37	067979-000	SCISSOR BRACE CONNECTOR WELDMENT	1
38	067971-010	ARM WELDMENT	1
39	067975-010	ARM WELDMENT	1
40	011940-006	FITTING, 6MJ-4MP 90	2
41	020021-010	PLUG, 10MB	2
42	020733-002	FITTING TEE 6FJX-6MJ-6MJ	1
43	011252-006	SCREW HHCS 1/4-20UNC X 3/4	2
44	SEE FINAL	CLAMP	REF

† See Note 1

‡ See Note 2

## NOTES:

1. INSTALL BEARINGS WITH LOCTITE # 609
2. APPLY GREASE TO INSIDE BEARING BEFORE INSTALLING PIN.
3. UNLESS OTHERWISE STATED, ALL FASTENERS TO BE TORQUED PER UPRIGHT SPEC. 105., AND ALL FITTINGS TO BE TORQUED PER UPRIGHT SPEC. 106.
4. ADD ITEM 42 TO BOTTOM CYLINDER ONLY



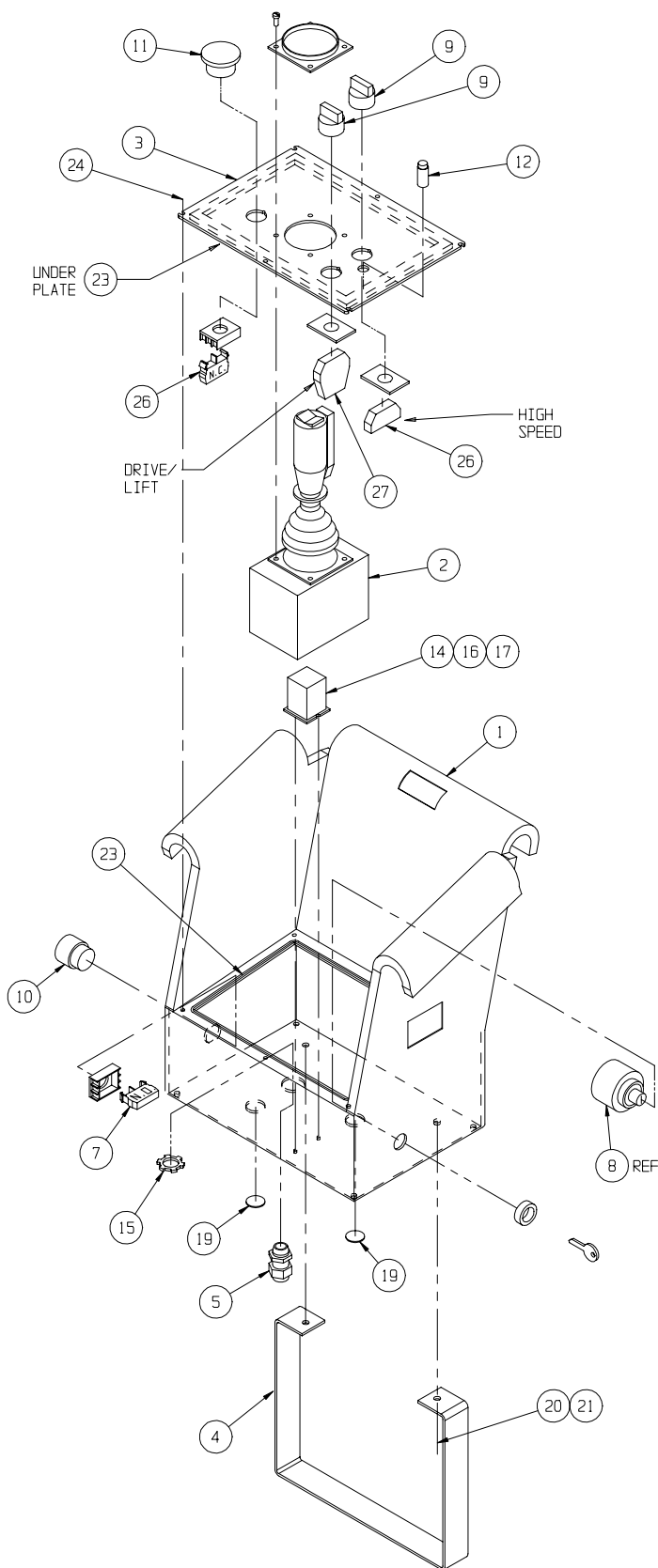
# Controller Assembly, LX31/LX41/LX50

## 067528-010

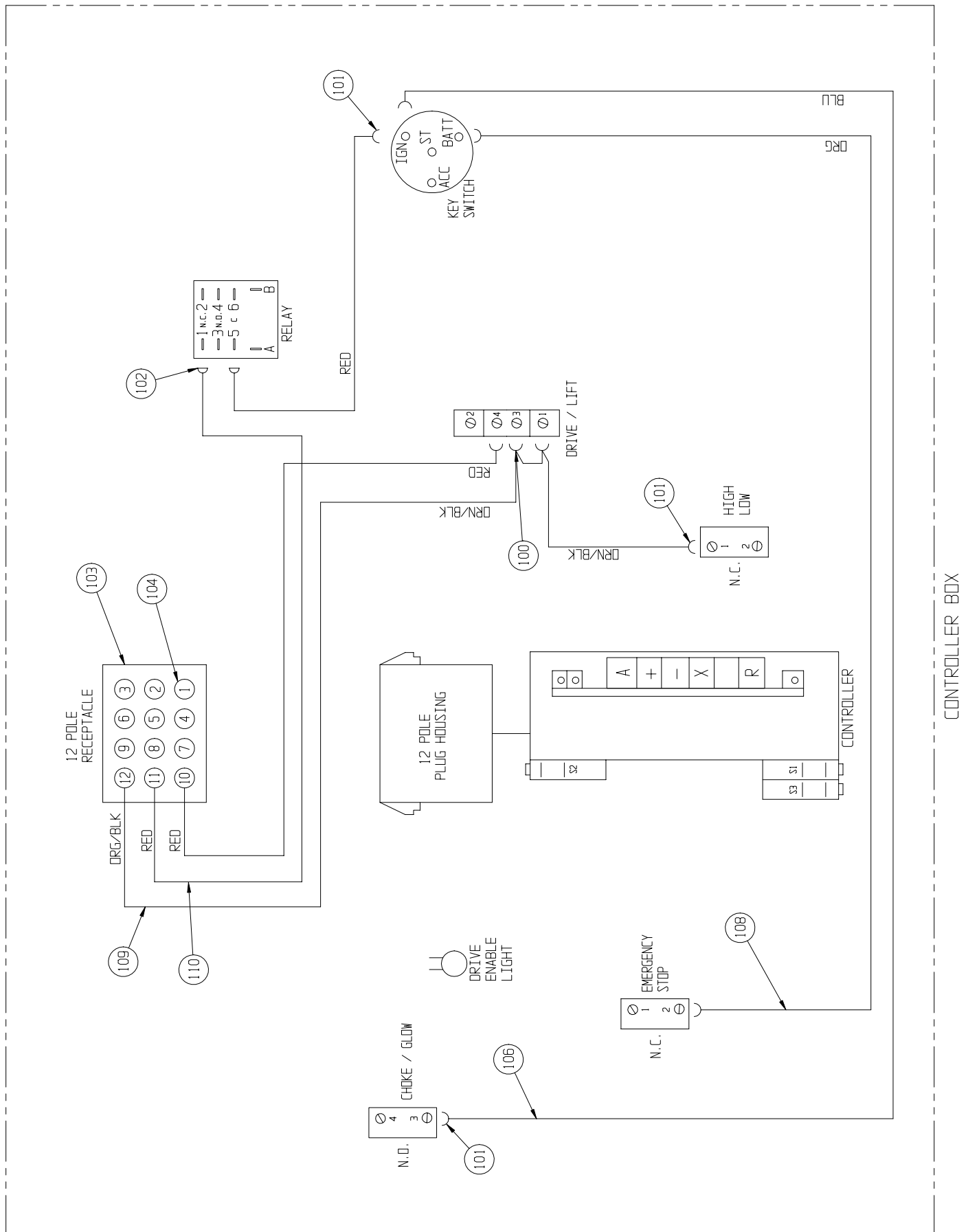
ITEM	PART NO.	PART/MATERIAL DESCRIPTION	QTY.
1	067487-000	LX CONTROL BOX	1
2	067643-001	CONTROLLER, PROPORTIONAL 12V	1
*	015772-001	MICRO SWITCH	1
*	066544-014	STEERING SWITCH	1
*	063913-003	BOOT, STEERING SWITCH	1
*	063913-004	ROCKER ASSEMBLY	1
*	066544-010	HANDLE, 2 PIECE	1
*	066544-011	LEVER, INTERLOCK	1
*	066544-012	SWITCH, INTERLOCK	1
*	066544-013	BOOT, CONTROL HANDLE SHAFT	1
*	066544-015	FLANGE, CONTROLLER MOUNTING	1
3	067486-002	COVER PLATE, CONTROLLER BOX	1
4	067483-000	CONTROLLER SUPPORT	1
5	029925-010	CABLE CONNECTOR, 3/4"	1
7	066805-010	CONTACT BLOCK, N.O.	1
8	064666-000	KEY SWITCH	1
*	005442-000	KEY	1
9	066805-002	SELECTOR SWITCH	2
10	066805-018	PUSH BUTTON	1
11	066805-006	MUSHROOM BUTTON	1
12	068133-000	INDICATOR LIGHT	1
14	063951-001	RELAY	1
15	029939-003	CONDUIT NUT, 3/4"	1
16	011248-047	LOCKNUT, #6-32	2
17	011715-004	SCREW, #6-32 X 1/2	2
19	063926-011	CAP PLUG	2
20	011252-006	SCREW, 1/4-20 UNC, HEX HD CAP X 3/4	2
21	011248-004	LOCKNUT, 1/4-20 UNC, HEX	2
23	068889-099	WEATHERSTRIP 1/2 X 3/6 FOAM	3 FT.
24	010952-004	SCREW, BUTT. HD, TORX, 10-24 UNC X 1/2	6
26	066805-011	CONTACT BLOCK N.C.	2
27	066805-012	CONTACT BLOCK, DOUBLE, N.C.-N.O.	1
100	029610-018	CONNECTOR FORK TERM 12-10 GA. #8	2
101	029610-002	CONNECTOR FORK TERM 16-14 GA. #8	7
102	029615-002	CONNECTOR FEMALE PUSH 16-14 GA.	2
103	063956-003	PLUG, HOUSING	1
104	063956-010	PIN, CONTACT MALE	3
105	029452-099	WIRE 16 GA. BLACK	2 FT
106	029450-099	WIRE 16 GA. BLUE	3 FT
108	029453-099	WIRE 16 GA. ORG	1 FT
109	029477-099	WIRE 16 GA. ORG/BLK	1 FT
110	029454-099	WIRE 16 GA. RED	2 FT

\* Not shown

Drawing 1 of 2



## Drawing 2 of 2



# Control Module Assembly, LX31/LX41

## 067521-027

ITEM	PART NO.	PART/MATERIAL DESCRIPTION	QTY.
1	067810-003	CONTROL MODULE WELDMENT	1
2	067491-002	CONTROL BOX , DIESEL	1
3	067485-001	FUEL TANK, ASSEMBLY, DIESEL	1
4	063650-012	GAS SPRING	1
5	067484-000	CONTROL BOX MOUNT	1
6	067648-008	END FITTING, GAS SPRING	REF
7	067629-000	LATCH, FLUSH LIFT & TURN	2
8	05299-000	LATCH, TOGGLE	2
9	067902-000	BRACKET, GAS SPRING	1
10	063947-008	NUT HEX ESNA M8	2
11	014435-001	TERMINAL, BATTERY	2
12	067489-001	VALVE BLOCK ASSY. (4WD)	1
13	012739-099	HOSE, 1/4 I.D.	11 FT
14	067892-000	BRACKET, VALVE BLOCK	1
15	020541-001	HOSE CLAMP	2
16	011254-008	SCRW HHC GR5 3/8-16UNC X 1	8
17	011708-004	SCRW MACH RD HD 8-32UNC X 1/2	4
18	011248-002	LOCK NUT, ESMA 8-32UNC	4
19	064040-000	ANGLE, BATTERY HOLD DOWN	1
20	062299-002	BATTERY, 12 VDC GROUP-27C	1
21	067856-000	WELDMENT, STIFFENER	1
22	012039-000	ROD, BATTERY HOLD DOWN	2
23	025427-002	HANDLE	1
24	011253-006	SCR HHC 5/16-18 X 3/4	2
25	067808-000	HINGE, 1 1/2 X 23 7/8	2
26	067809-002	HINGE, 1 1/2 X 65	1
27	067799-008	MODULE COVER / CONTROL	1

ITEM	PART NO.	PART/MATERIAL DESCRIPTION	QTY.
28	030841-031	MODULE DOOR, R.H.	1
29	030841-032	MODULE DOOR, L.H.	1
30	026554-002	POP RIVET, 1/4 DIA (.251-.375 GRIP)	36
31	011248-006	NUT, 3/8-16 ESNA	7
32	011252-006	SCREW, HHC 1/4-20 X 3/4	2
33	011248-004	NUT, 1/4-20 ESNA	4
34	011239-006	WASHER, 3/8", SPLIT LOCK	2
35	067854-001	ANGLE, FUEL TANK MOUNT	1
36	011240-006	WASHER, 3/8", STD, FLT	6
37	011254-006	SCREW HHC 3/8-16 X 3/4	2
38	012736-099	HOSE, 3/16 ID	11 FT
39	062125-084	CABLE, BATTERY X 84	1
40	011240-004	WASHER 1/4 FLAT	4
41	011254-004	SCRW HHC GR5 3/8-16UNC X 1/2	4
42	011237-006	WASHER, 3/8 STAR	1
43	011248-005	NUT, HEX 5/16-18 ESNA	4
44	015936-004	SCR, SHOULDER 3/8 DIA. X 1/2	2
45	030841-030	WELDMENT, STAIR	1
46	011275-006	SCREW HHC 10-32UNF X 3/4"	4
47	011238-002	WASHER SPLIT-LOCK #10	4
48	067492-001	WIRE HARNESS, MAIN CONTROL	1
49	067492-002	WIRE HARNESS, VALVE BLOCK	1
50	029931-003	CONN. FEMALE PUSH, 16-14 AWG, .250 TAB	4
51	029454-099	WIRE 16 AWG THHN STRD COP RED	6 IN.
52	062125-004	CABLE, BATTERY X 18 FOR SHIPPING	1
53	062125-096	CABLE, BATTERY X 96	1
54	029945-032	LEVEL SENSOR, BI-DIRECTIONAL	1

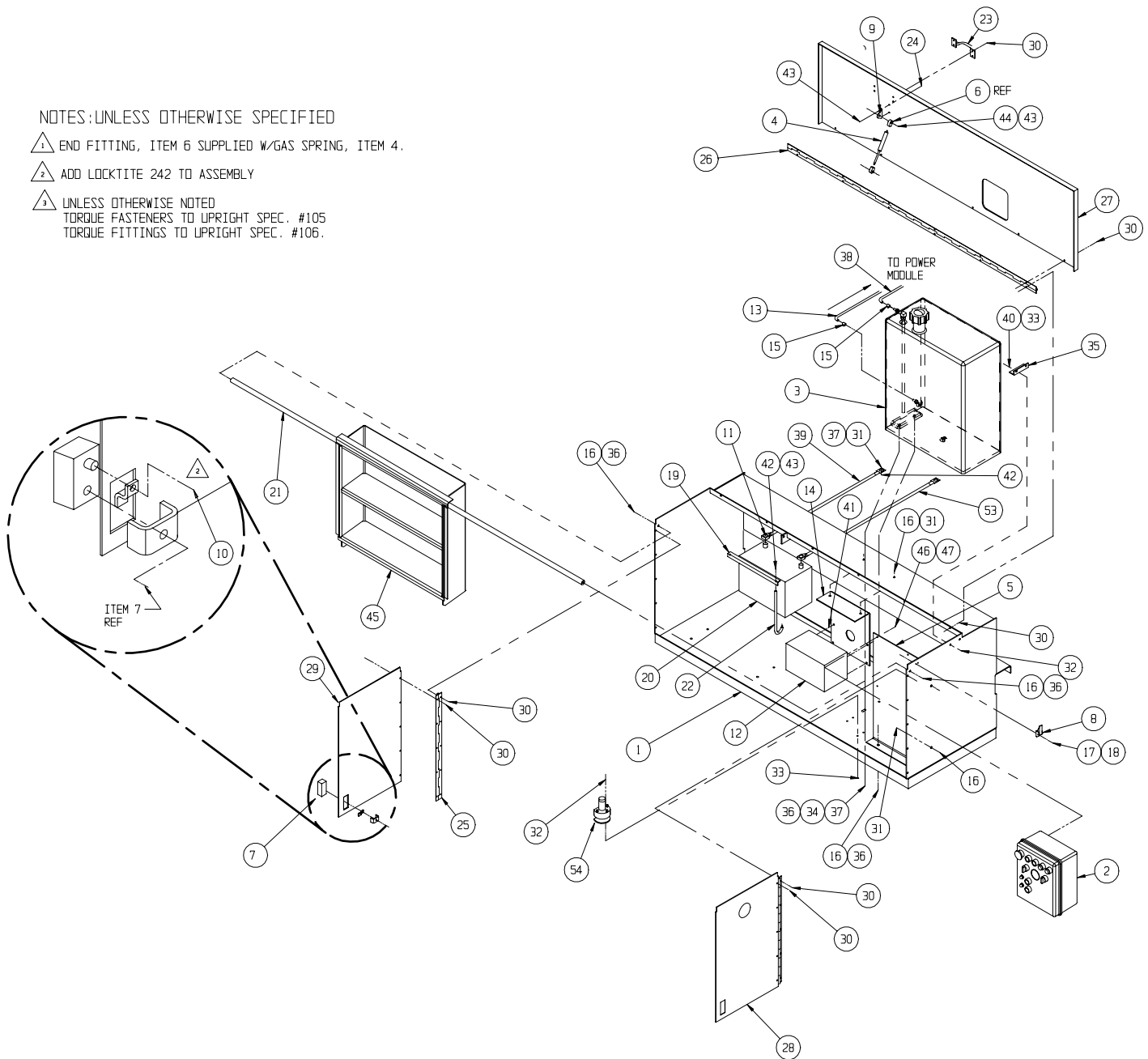
## Drawing 1 of 2

NOTES: UNLESS OTHERWISE SPECIFIED

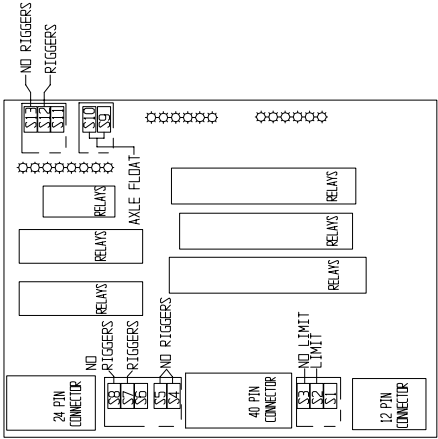
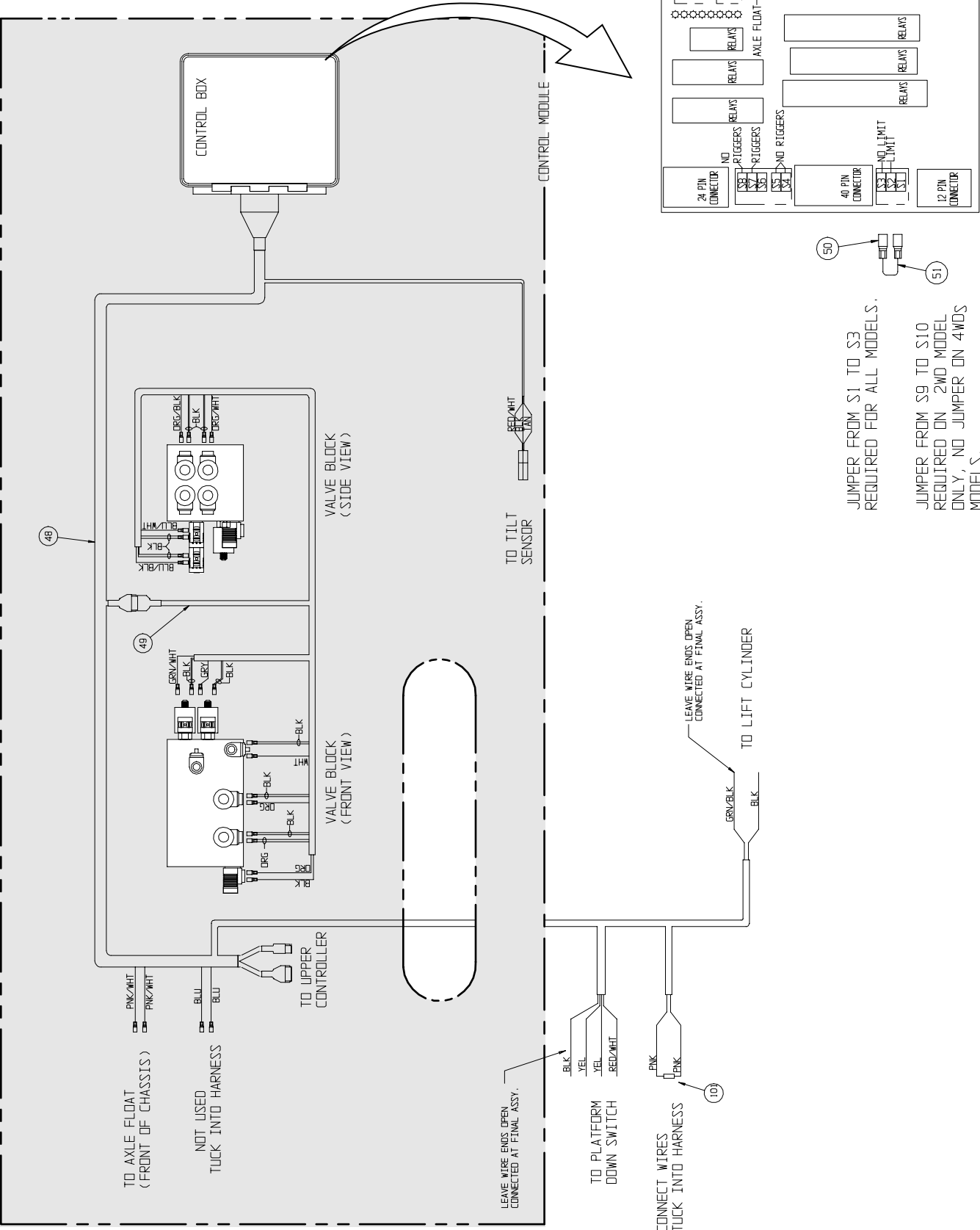
△ END FITTING, ITEM 6 SUPPLIED W/GAS SPRING, ITEM 4.

△ ADD LOCKTITE 242 TO ASSEMBLY

△ UNLESS OTHERWISE NOTED  
TORQUE FASTENERS TO UPRIGHT SPEC. #105  
TORQUE FITTINGS TO UPRIGHT SPEC. #106.



Drawing 2 of 2



JUMPER FROM S1 TO S3  
REQUIRED FOR ALL MODELS.

JUMPER FROM S9 TO S10  
REQUIRED ON 2WD MODEL  
ONLY, NO JUMPER ON 4WD  
MODELS.

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**NOTES:**

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# Control Module, LX50

## 067521-031

ITEM	PART NO.	PART/MATERIAL DESCRIPTION	QTY.
1	067810-003	CONTROL MODULE WELDMENT	1
2	067491-004	CONTROL BOX , DIESEL, W/OUTRIGGER	1
3	067485-001	FUEL TANK, ASSEMBLY, DIESEL	1
4	063650-012	GAS SPRING	1
5	067484-000	CONTROL BOX MOUNT	1
6	067648-008	END FITTING, GAS SPRING	REF
7	067629-000	LATCH, FLUSH LIFT & TURN	2
8	05299-000	LATCH, TOGGLE	2
9	067902-000	BRACKET, GAS SPRING	1
10	063947-008	NUT HEX ESNA M8	2
11	014435-001	TERMINAL, BATTERY	2
12	067489-001	VALVE BLOCK ASSY. (4 W.D.)	1
13	012739-099	HOSE, 1/4 I.D.	11 FT
14	067892-000	BRACKET, VALVE BLOCK	1
15	020541-001	HOSE CLAMP	2
16	011254-008	SCRW HHC GR5 3/8-16UNC X 1	8
17	011708-004	SCRW MACH RD HD 8-32UNC X 1/2	4
18	011248-002	LOCK NUT, ESMA 8-32UNC	4
19	064040-000	ANGLE, BATTERY HOLD DOWN	1
20	062299-002	BATTERY, 12 VDC GROUP-27C	1
21	067856-000	WELDMENT, STIFFENER	1
22	012039-000	ROD, BATTERY HOLD DOWN	2
23	025427-002	HANDLE	1
24	011253-006	SCR HHC 5/16-18 X 3/4	2
25	067808-000	HINGE, 1 1/2 X 23 7/8	2
26	067809-002	HINGE, 1 1/2 X 65	1
27	067799-008	MODULE COVER / CONTROL	1
28	030841-031	MODULE DOOR, R.H.	1
29	030841-032	MODULE DOOR, L.H.	1

ITEM	PART NO.	PART/MATERIAL DESCRIPTION	QTY.
30	026554-002	POP RIVET, 1/4 DIA (.251-.375 GRIP)	36
31	011248-006	NUT, 3/8-16 ESNA	7
32	011252-006	SCREW, HHC 1/4-20 X 3/4	2
33	011248-004	NUT, 1/4-20 ESNA	6
34	011239-006	WASHER, 3/8", SPLIT LOCK	2
35	067854-001	ANGLE, FUEL TANK MOUNT	1
36	011240-006	WASHER, 3/8", STD, FLT	6
37	011254-006	SCREW HHC 3/8-16 X 3/4	2
38	012736-099	HOSE, 3/16 ID	11 FT
39	062125-084	CABLE, BATTERY X 84	1
40	011240-004	WASHER 1/4 FLAT	4
41	011254-004	SCRW HHC GR5 3/8-16UNC X 1/2	4
42	011237-006	WASHER, 3/8 STAR	1
43	011248-005	NUT, HEX 5/16-18 ESNA	4
44	015936-004	SCR, SHOULDER 3/8 DIA. X 1/2	2
45	030841-030	WELDMENT, STAIR	1
46	067490-000	VALVE BLOCK, OUTRIGGER CONTROL	1
47	011252-032	SCREW HHC 1/4-20UNC X 4"	2
48	011275-006	SCREW HHC 10-32UNF X 3/4"	4
49	011238-002	WASHER SPLIT-LOCK #10	4
50	067492-001	WIRE HARNESS, MAIN CONTROL	1
51	067492-002	WIRE HARNESS, VALVE BLOCK	1
52	020733-005	TEE 12FJ-12MJ-12MJ	2
53	014693-003	ADAPTER, 12FJ-6MJ	2
54	029931-003	CONN. FEMALE PUSH, 16-14 AWG, .250 TAB	4
55	029454-099	WIRE 16 AWG THHN STRD COP RED	6 IN.
56	062125-004	CABLE, BATTERY X 18 FOR SHIPPING	1
57	062125-096	CABLE, BATTERY X 96	1
58	029945-032	LEVEL SENSOR, BI-DIRECTIONAL	1

## Drawing 1 of 2

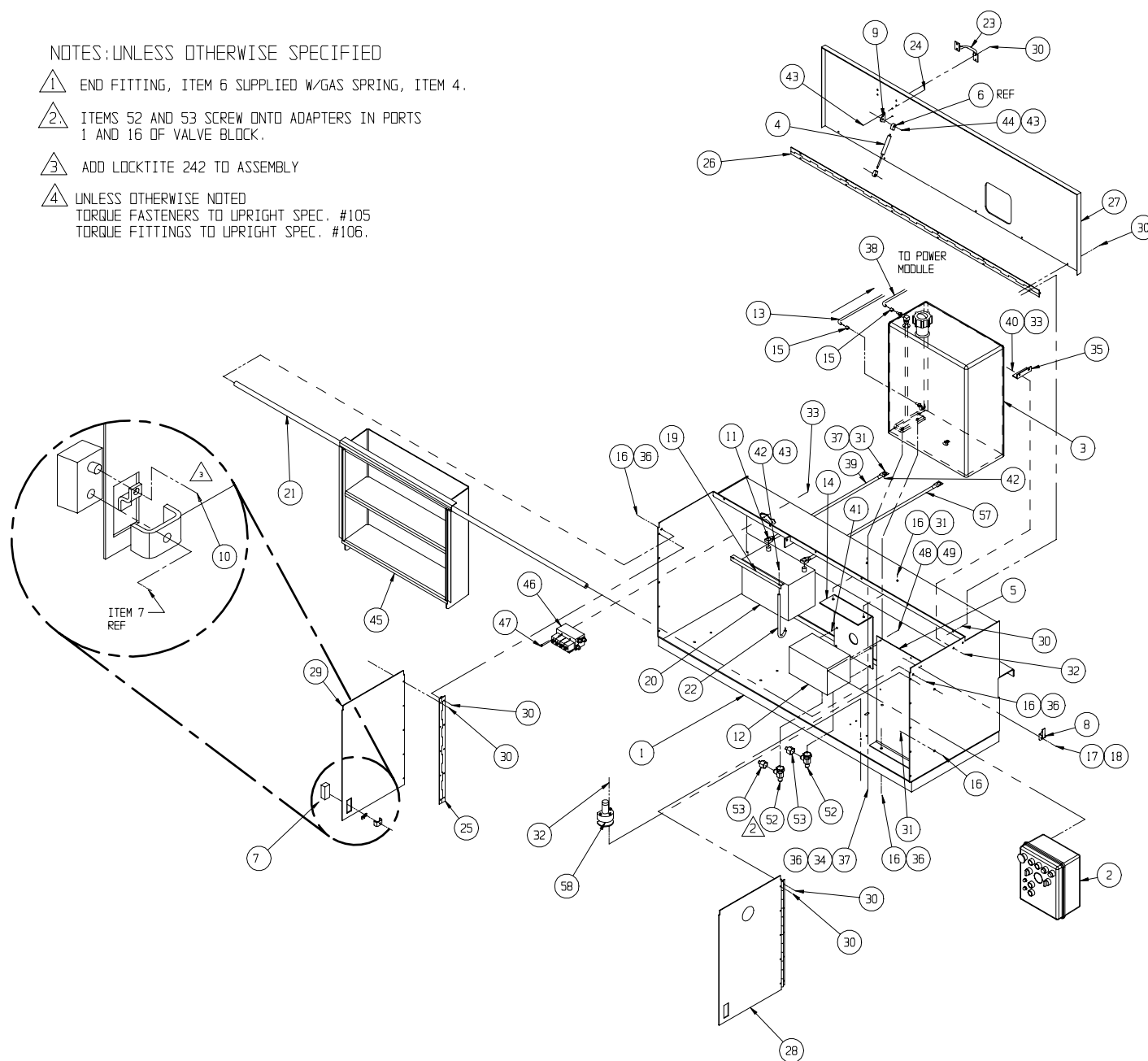
NOTES: UNLESS OTHERWISE SPECIFIED

1 END FITTING, ITEM 6 SUPPLIED W/GAS SPRING, ITEM 4.

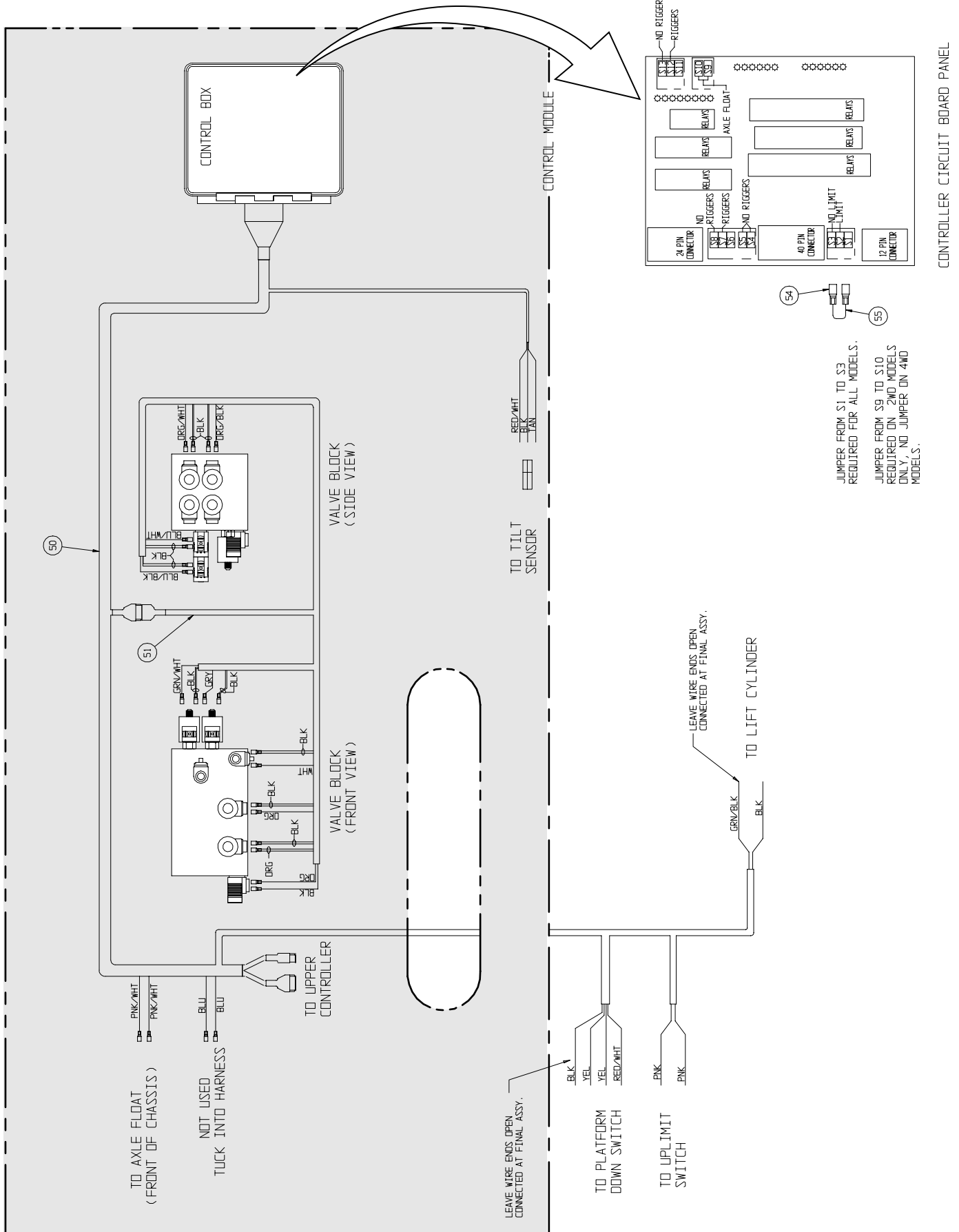
2 ITEMS 52 AND 53 SCREW ONTO ADAPTERS IN PORTS 1 AND 16 OF VALVE BLOCK.

3 ADD LOCKTITE 242 TO ASSEMBLY

4 UNLESS OTHERWISE NOTED  
TORQUE FASTENERS TO UPRIGHT SPEC. #105  
TORQUE FITTINGS TO UPRIGHT SPEC. #106.



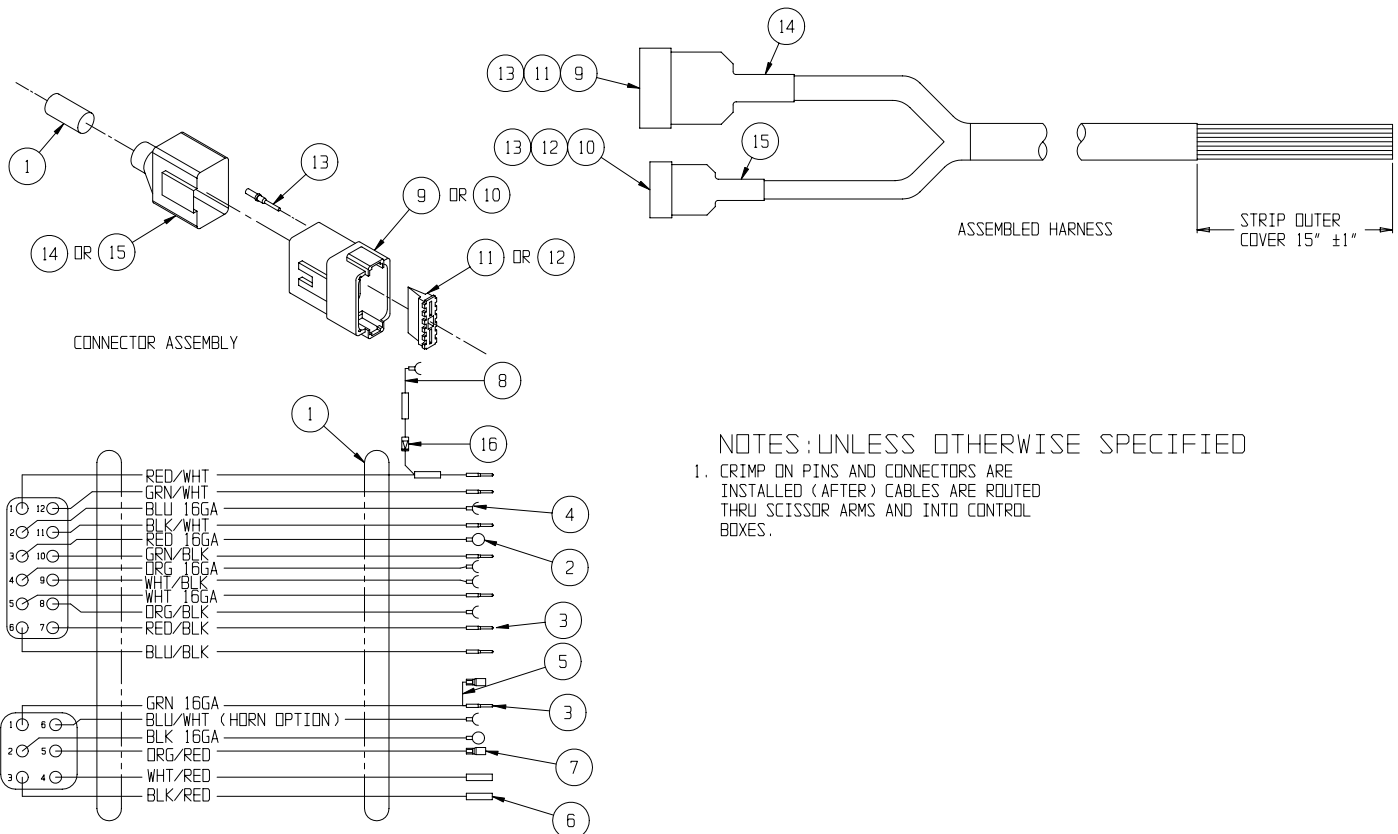
## Drawing 2 of 2



# Control Cable Assembly, LX31/LX41/LX50

## 067536-010, -011, -012

ITEM	PART NO.	PART/MATERIAL DESCRIPTION	-010 LX31	-011 LX41	-012 LX50
			QTY.	QTY.	QTY.
1	067645-099	CABLE, 16/6, 18/12 MULTICONDUCTOR	62 FT	72 FT	90 FT
2	029601-013	CONN RING TERM 16-14 GA #10	2	2	2
3	063956-002	PIN, CONTACT MALE 20-14 GA	8	8	8
4	029610-002	CONN FORK TERM 16-14 GA #8	6	6	6
5	029457-099	WIRE, 16GA GRN X 12 IN	1 FT	1 FT	1 FT
6	029620-002	CONN, BUTT 16-14GA	4	4	4
7	029616-001	CONN, FEMALE PUSH 16-14GA X .188	2	2	2
8	029483-099	WIRE 16 GA RD/WHT X 14 IN	1.2 FT	1.2 FT	1.2 FT
9	068760-001	DT CONNECTOR, RECEPTACLE, # DT04-12P	1	1	1
10	067990-001	DT CONNECTOR, RECEPTACLE, # DT04 6P	1	1	1
11	068761-000	LOCKING WEDGE, RECEPTACLE, # W12P	1	1	1
12	067990-003	LOCKING WEDGE, RECEPTACLE, # W6P	1	1	1
13	015790-004	CONTACT PIN, 16-18 AWG	18	18	18
14	068908-001	BOOT ELECT. RECEPTACLE, # DT-12-P-BT	1	1	1
15	068908-002	BOOT ELECT. RECEPTACLE, # DT-6-P-BT	1	1	1
16	029825-002	DIODE, 5 AMP, 400 V.	1	1	1



Lower Control Box - Without Outriggers  
067491-002

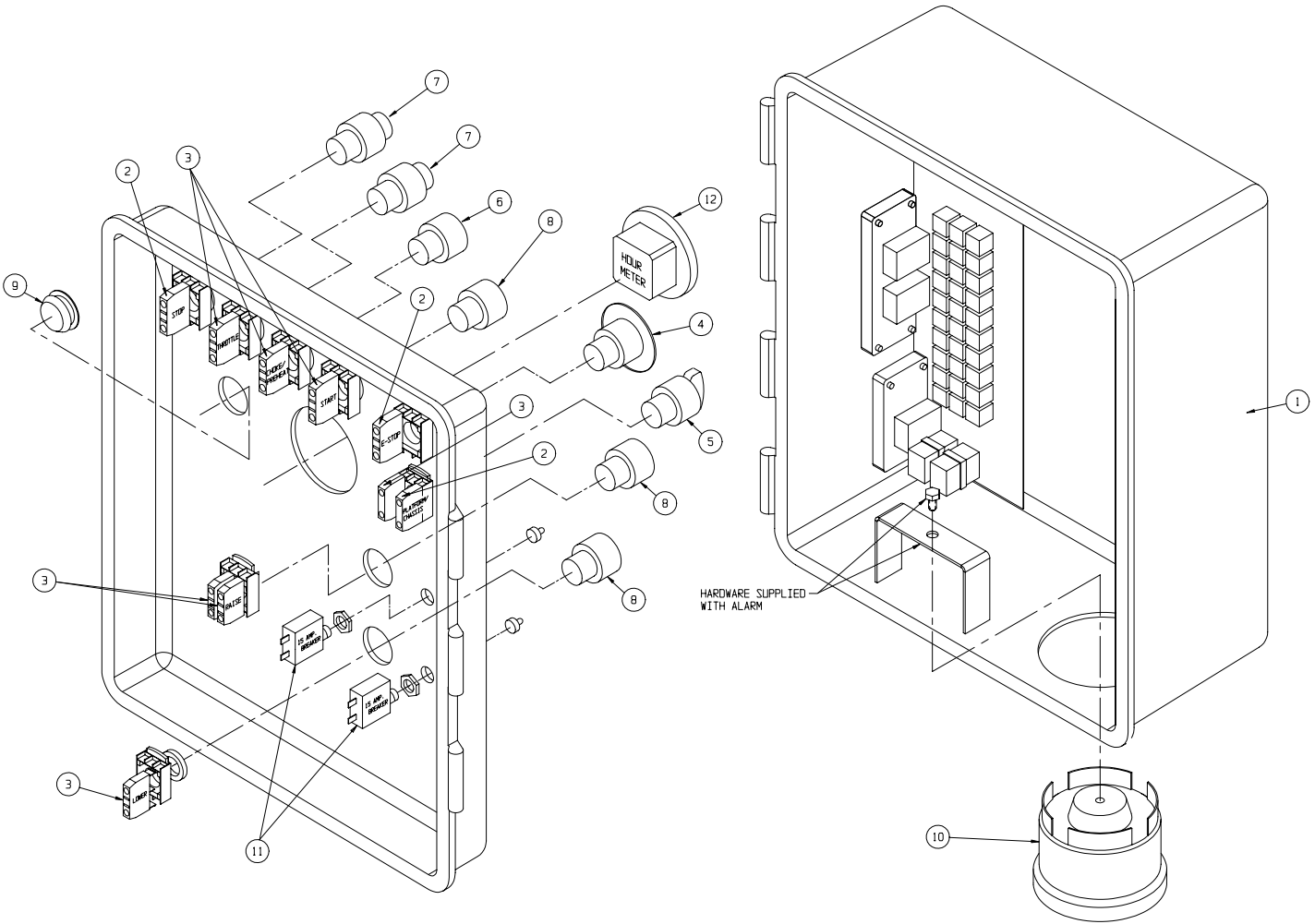
LOWER CONTROL BOX

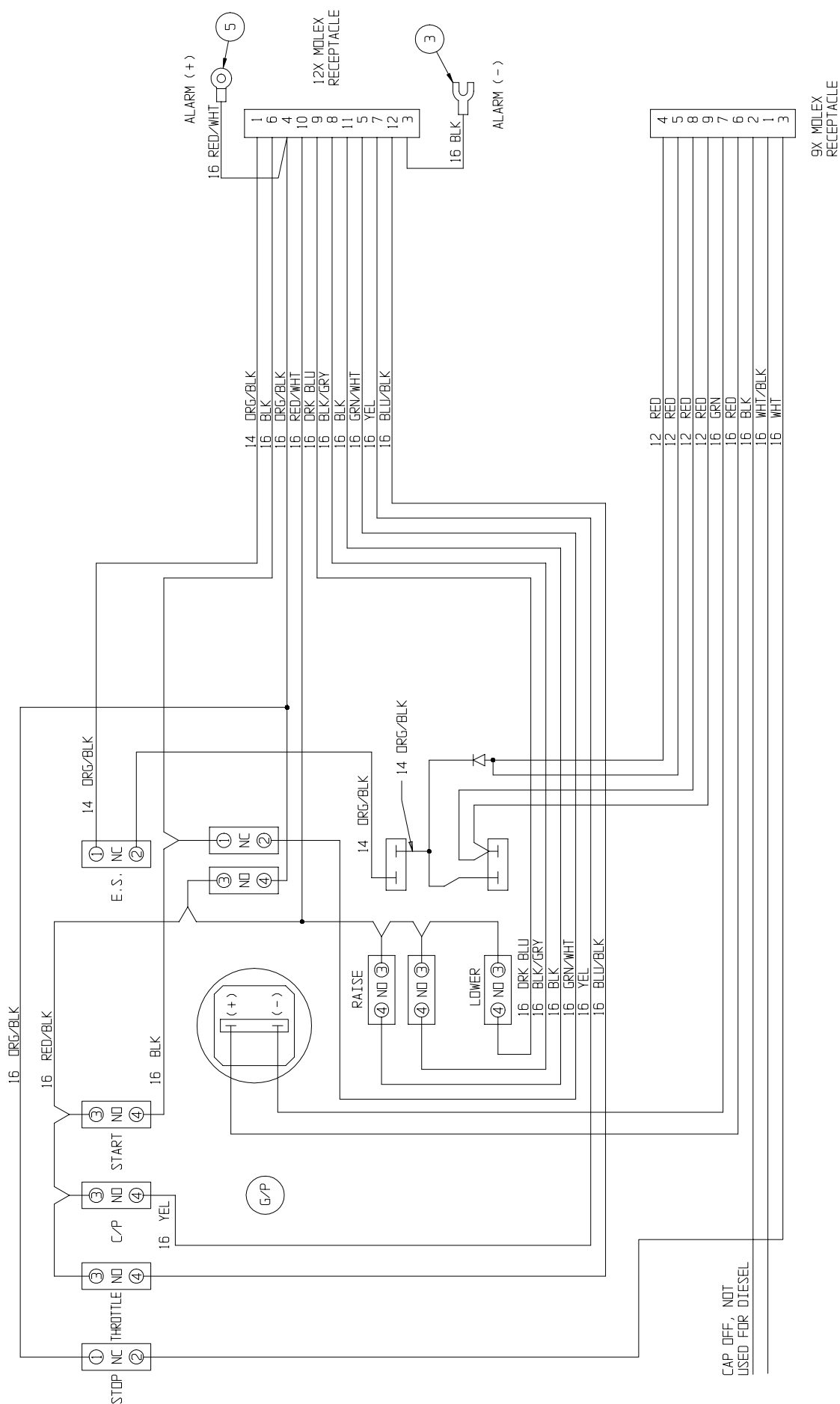
ITEM	PART NO.	PART/MATERIAL DESCRIPTION	QTY.
1	069140-001	ENCLOSURE LX BOX	1
*	067491-011	PC BOARD	1
2	066805-011	CONTACT BLOCK N.C.	3
3	066805-010	CONTACT BLOCK N.O.	7
4	066805-006	EMERGENCY STOP	1
5	066805-002	2 POSITION SELECTOR SWITCH	1
6	066805-018	BLK STANDARD PUSH BUTTON	1
7	066805-017	RED STANDARD PUSH BUTTON	2
8	066805-016	GRN STANDARD PUSH BUTTON	3
9	064462-007	CAP PLUG, Ø 7/8	1
10	066807-001	ALARM, 107DB	1
11	029868-007	15 AMP-CIRCUIT BREAKER	2
12	015752-000	HOURL-METER	1

WIRING DIAGRAM

ITEM	PART NO.	PART/MATERIAL DESCRIPTION	QTY.
1	029616-002	CONN. FEMALE PUSH 16-14 .25 TAB	12
2	029616-003	CONN. FEMALE PUSH 10-12 .25 TAB	2
3	029610-002	CONN. FORK 16-14 #8	21
5	029601-012	CONN. RING TERM 16-14 #8	1
6	029470-099	WIRE, 12 AWG RED	5 FT
7	029457-099	WIRE, 16 AWG GREEN	1.5 FT
8	029454-099	WIRE, 16 AWG RED	1.5 FT
9	029452-099	WIRE, 16 AWG BLACK	5 FT
10	029479-099	WIRE, 16 AWG WHITE/BLACK	1.5 FT
11	029451-099	WIRE, 16 AWG WHITE	1.5 FT
12	029352-099	WIRE, 16 AWG RED/WHITE	2.5 FT
13	-	WIRE, 14 AWG ORANGE/BLACK	2.5 FT
14	029450-099	WIRE, 16 AWG DARK BLUE	1.5 FT
15	029477-099	WIRE, 16 AWG ORANGE/BLACK	3 FT
16	-	WIRE, 16 AWG BLACK/GREY	1.5 FT
17	029353-099	WIRE, 16 AWG GREEN/WHITE	1.5 FT
18	029456-099	WIRE, 16 AWG YELLOW	1.5 FT
19	029475-099	WIRE, 16 AWG BLUE/BLACK	1.5 FT

Drawing 1 of 2





# Power Module Assembly, LX31/LX41/LX50

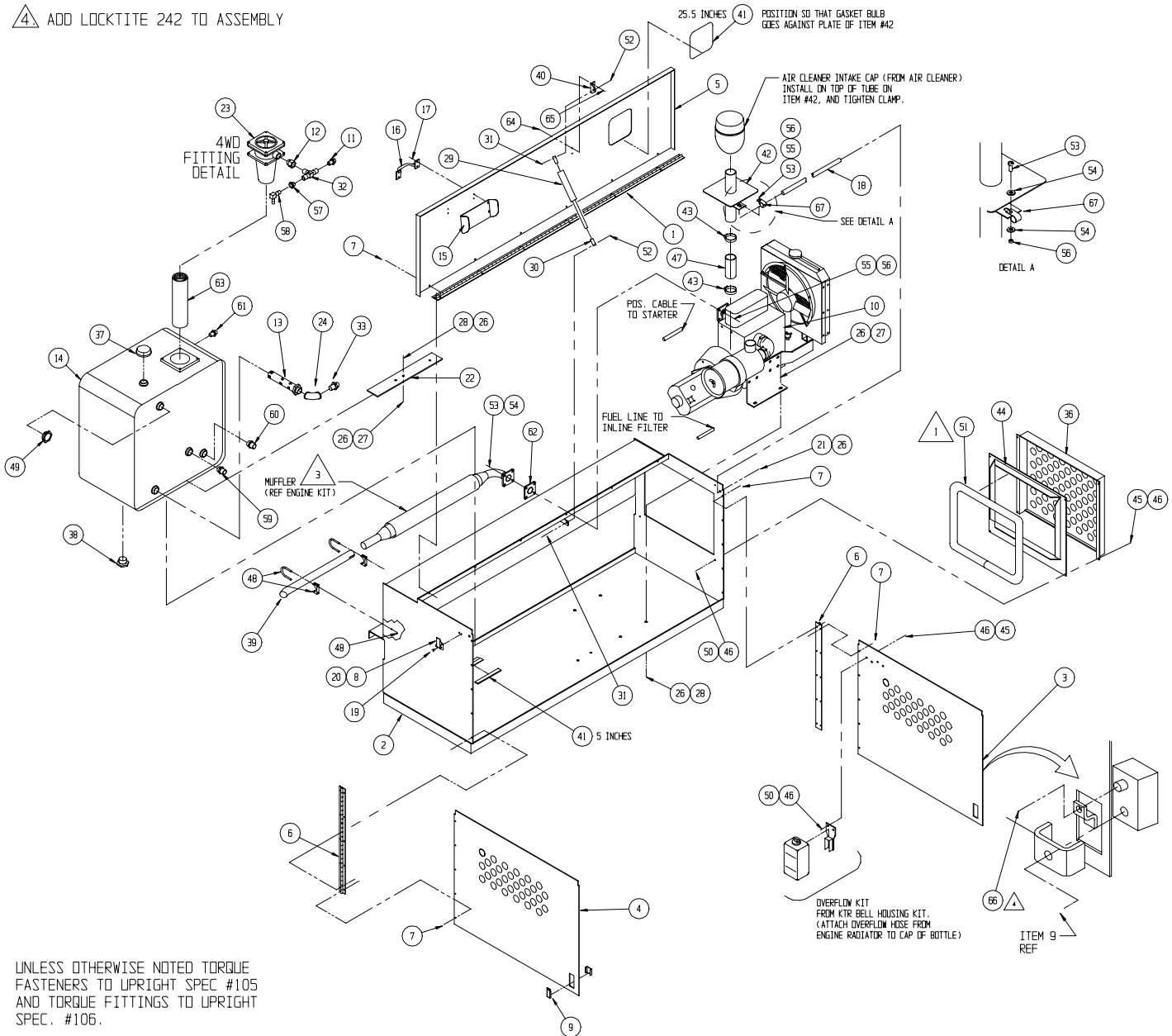
## 067522-013

ITEM	PART NO.	PART/MATERIAL DESCRIPTION	QTY.
1	067809-002	HINGE, 2 X 65	1
2	067811-002	POWER MODULE WELDMENT	1
3	67800-001	MODULE DOOR, R.H.	1
4	067801-001	MODULE DOOR, L.H.	1
5	067799-007	MODULE COVER	1
6	067808-000	HINGE, 2 X 22	2
7	026554-002	POP RIVET, 1/4 DIA. (.251 - .375 GRIP)	32
8	05299-000	LATCH, TOGGLE	2
9	067629-000	LATCH, FLUSH LIFT & TURN	2
10	067523-021	ENGINE ASSY, DIESEL KUBOTA	1
11	011939-021	FITTING 12MP-12MJ	1
12	014220-009	FITTING 16MP-12FP	1
13	063935-001	SUCTION SCREEN	1
14	067841-000	TANK, HYDRAULIC	1
15	064798-000	DOOR BRACKET	1
16	025427-002	HANDLE	1
17	026554-002	RIVET POP, 1/4 (.25)-.375 GRIP	4
18	067856-000	STIFFENER BAR	1
19	011708-004	SCREW RD HD 8-32 X 1/2	4
20	011248-002	NUT HEX 8-32 ESNA	4
21	011254-006	SCREW HHC 3/8-16 X 3/4	2
22	064039-001	HYDRAULIC TANK MOUNTING TAB	1
23	067624-000	HYDRAULIC FILTER	1
24	011916-011	ELBOW 90° 20FP-20FP (1-1/4 NPT)	1
26	011240-006	WASHER 3/8 FLAT STD	16
27	011254-008	SCREW HHC 3/8-16 X 1	7
28	011248-006	NUT HEX 3/8-16 ESNA	9
29	063650-012	SPRING, PRESSURIZED GAS	1
30	067648-008	END FITTING, GAS SPRING	REF
31	015936-004	SCREW SHOULDER Ø 3/8 X 1/2	2
32	014902-005	FITTING TEE 12MP-12FP	1
33	011939-030	FITTING 20MP-20MJ	1
34	011923-008	FITTING 12MP-6FP	1

ITEM	PART NO.	PART/MATERIAL DESCRIPTION	QTY.
35	011940-008	FITTING 90° 6MP-4MJ	1
36	067898-000	RADIATOR COVER	1
37	063930-001	BREATHER/FILLER CAP	1
38	021305-007	PLUG, MAGNETIC	1
39	067696-001	EXHAUST TUBE, DIESEL	1
40	067902-000	BRACKET, GAS SPRING	1
41	010070-099	SEAL STRIP GASKET	2.54 FT
42	067691-000	SNORKEL WELDMENT, DIESEL	1
43	013259-008	MUFFLER CLAMP 2"	1
44	067697-001	BREATHER SPACER (RADIATOR)	1
45	011252-008	SCREW HHC 1/4-20 X 1	10
46	011240-004	WASHER FLAT STD 1/4	10
48	013259-006	CLAMP, MUFFLER 1-1/2"	2
49	063979-006	GAGE, LUBE SIGHT	1
50	011248-004	NUT HEX ESNA 1/4-20	6
51	066697-099	PIPE INSULATION 1-3/8Ø	1
52	011248-005	NUT HEX 5/16-18 ESNA	2
53	011253-007	SCREW HHC 5/16-18 X 7/8	5
54	011240-005	WASHER 5/16 FLAT STD	6
55	011238-005	WASHER LOCK 5/16	4
56	011250-005	NUT HEX 5/16-18	5
57	011923-007	FITTING 12MP-4FP	1
58	011940-004	FITTING 90°-4MP-4MJ	1
59	011939-013	FITTING 8MP-4MJ	1
60	011939-015	FITTING 8MP-8MJ	1
61	011939-014	FITTING 8MP-6MJ	1
62	063936-024	MUFFLER GASKET	1
63	067765-000	TUBE EXTENSION	1
64	011253-008	SCREW, HHC 5/16-18 X 1	2
65	011248-005	NUT, HEX 5/16-18 ESNA	2
66	063947-008	NUT HEX ESNA M8	2
67	013919-010	CLAMP	1

NOTES: UNLESS OTHERWISE SPECIFIED

1. INSTALL PIPE INSULATION TO ITEM 44, PLACING THE SLIT ON THE INSULATION OVER THE TABS ON ITEM 44.
2. END FITTING, ITEM 30 SUPPLIED WITH GAS SPRING, ITEM 29.
3. MOUNTING HARDWARE AND MUFFLER ARE PROVIDED WITH ENGINE.
4. ADD LOCKTITE 242 TO ASSEMBLY



# Engine Assembly, LX31/LX41/LX50

## 067523-011

ITEM	PART NO.	PART/MATERIAL DESCRIPTION	QTY.
1	067614-000	ENGINE, KUBOTA DIESEL D905	1
*	067614-033	AIR CLEANER KIT/ASSY	1
*	067614-004	OIL FILTER ELEMENT	1
*	067614-005	AIR FILTER ELEMENT	
*	067614-026	FUEL PUMP, LIFT	1
*	067614-009	INJECTION PUMP	1
*	067614-010	INJECTOR NOZZLE	3
*	067614-011	GLOW PLUG	3
*	067614-012	RADIATOR	1
*	067614-013	RADIATOR CAP	1
*	067614-014	THERMOSTAT	1
*	067614-015	WATER PUMP W/GSKT	1
*	067614-018	FAN BELT	1
*	067614-019	ALTERNATOR	1
*	067614-020	VOLTAGE REGULATOR	1
*	067614-022	STARTER	1
*	067614-023	OIL PRESSURE SWITCH	1
*	067614-024	KUBOTA D905 ENGINE PARTS MANUAL	1
*	067614-025	KUBOTA D905 ENGINE SERVICE MANUAL	1
*	067614-027	FUEL SHUT-OFF SOLENOID	1
2	067608-000	PUMP, VARIABLE DISPLACEMENT	1
3	067599-000	SOLENOID, THROTTLE	1
4	012733-099	HOSE, FUEL LINE Ø 5/16	10 FT
5	020541-001	HOSE CLAMP	6
6	067614-007	FUEL FILTER, INLINE	1
7	063945-001	OIL PRESSURE SWITCH	1
8	067492-005	WIRE HARNESS, DIESEL ENGINE	1
9	064180-001	ENGINE MOUNT BRACKET	2
10	REF	FUEL FILTER MOUNT - SPIN ON	1
11	067859-000	BRACKET, AIR CLEANER	1
12	067614-054	FUEL FILTER - SPIN ON	1
13	064177-004	WELDMENT, MUFFLER SPACER	1
15	067870-000	BRACKET, DIESEL FUEL FILTER	1
16	064423-000	INLINE SWIVEL - 1/4	1
17	011760-004	ROD END BEARING - 1/4-28	1

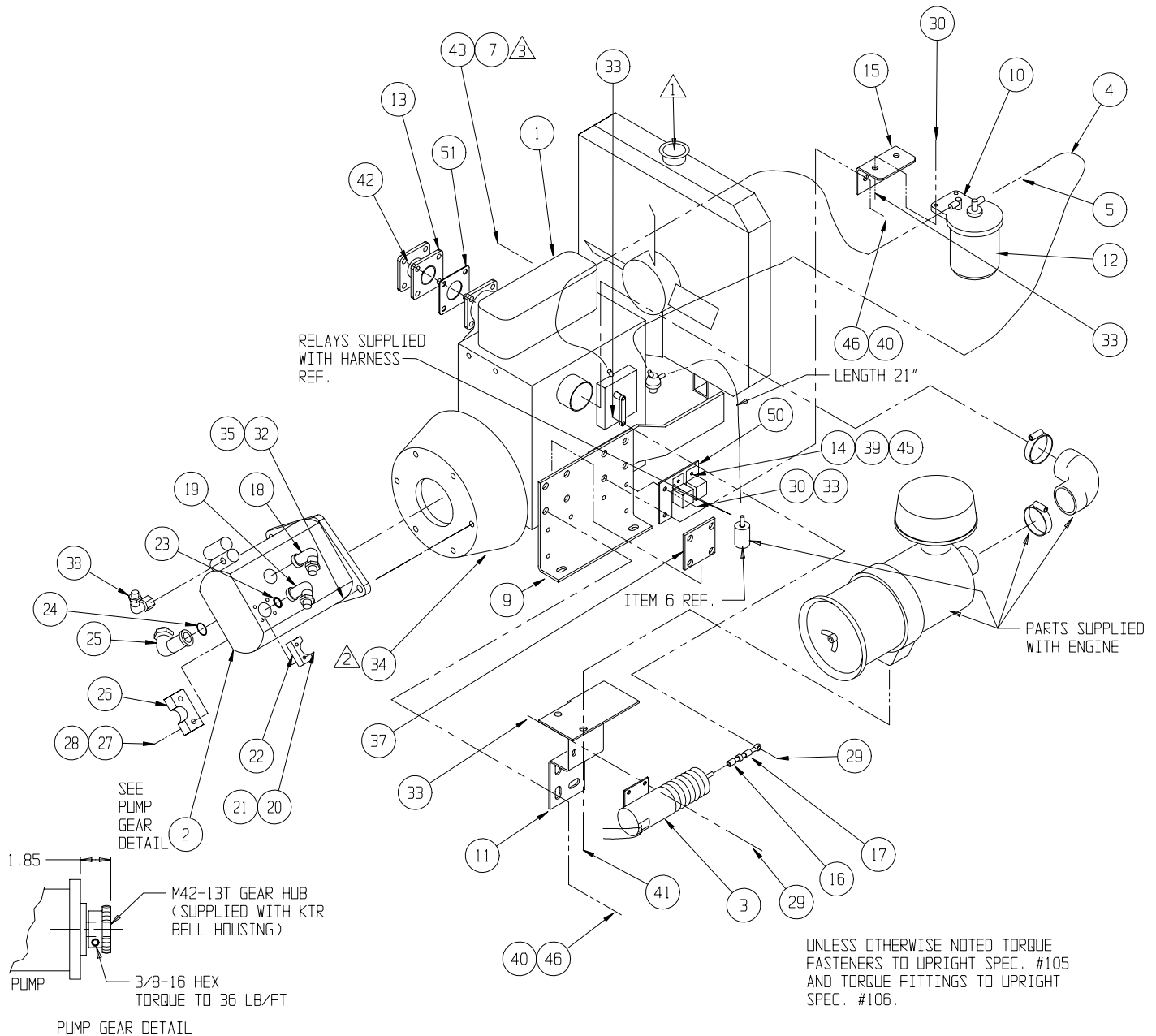
ITEM	PART NO.	PART/MATERIAL DESCRIPTION	QTY.
18	011935-004	FITTING 8MBH-8MJ 45°	1
19	014338-002	FITTING SPLIT FLANGE - 12MJ 90°	1
20	011254-010	SCREW HHC 3/8-16UNC X 1-1/4	4
21	011238-006	LOCKWASHER, SPLIT 3/8	4
22	067670-012	SPLIT FLANGE - HALF 3/4	2
23	067671-012	"O"-RING	1
24	067671-020	"O"-RING	1
25	014338-008	FITTING SPLIT FLANGE - 20MJ 90°	1
26	067670-020	SPLIT FLANGE - 1-1/4	2
27	011255-010	SCREW HHC 7/16-14UNC X 1-1/4	4
28	011238-007	LOCK WASHER SPLIT 7/16	4
29	011252-004	SCREW HHC 1/4-20UNC X 1/2	4
30	011252-008	SCREW HHC 1/4-20UNC X 1	3
31	011240-004	WASHER FLAT STD 1/4	2
32	011238-004	WASHER SPLIT LOCK 1/2	2
33	011248-004	NUT HEX 1/4 ESNA	7
34	067617-000	KTR BELL HOUSING KIT	1
35	011256-010	SCREW HHC 1/2-13UNC X 1-1/4	2
37	064183-000	SPACER, ENGINE	2
38	011934-001	FITTING 90° 4MB-4MJ	1
39	011708-006	SCRW MACH RD HD 8-32 UNC X 3/4	2
40	063946-030	SCREW HHC M10 X 1.25 GR5 X 30MM	16
41	REF	SCREW (SUPPLIED W/AIR CLEANER)	2
42	REF	SCREW MANIFOLD (SUPPLIED W/ENGINE)	4
43	03142-001	ADAPTER, 2MP-2FP	1
44	029601-039	CONN. RING, 12-10GA., 5/16Ø	1
45	011248-002	NUT ESNA HEX 8-32 UNC	2
46	011240-007	WASHER FLAT STD 7/16	16
47	029416-099	WIRE, 12AWG, RED	1 FT
48	029601-020	CONN. RING, 12-10GA., 1/4Ø	1
49	014914-001	CONN. MALE PUSH, 16-14 AWG, .25 TAB	5
50	067468-000	RELAY MOUNT BRACKET	1
51	063936-024	MUFFLER, GASKET	1

\* Not shown

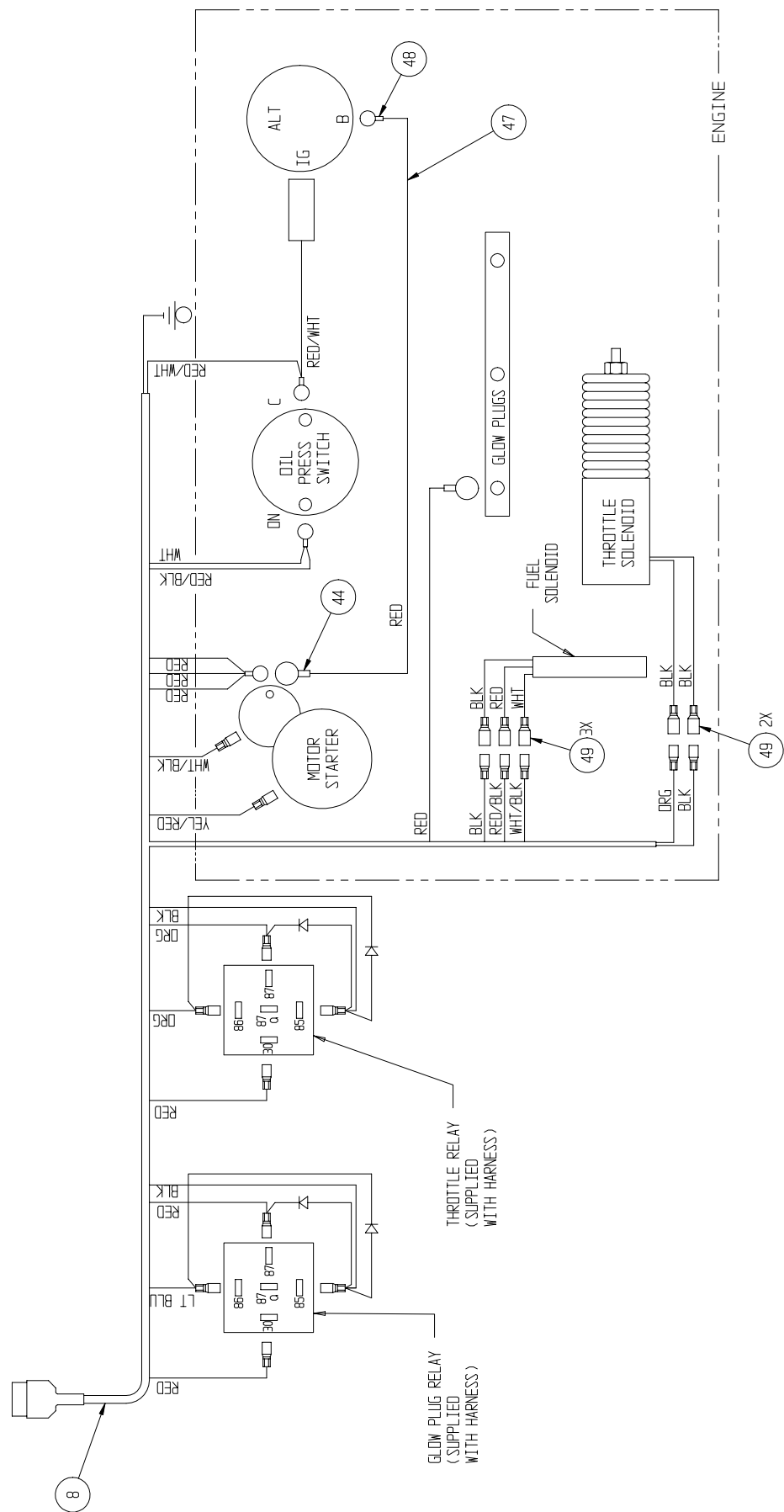
**Drawing 1 of 2**

NOTES: UNLESS OTHERWISE SPECIFIED

1. FILL COOLING SYSTEM WITH 50% WATER AND 50% ANTIFREEZE SOLUTION.
2. TORQUE BELL HOUSING FASTENERS AS FOLLOWS:  
M-10 TORQUE TO 36 LB. FT., M-8 TORQUE TO 18 LB. FT., & 3/8-16 TORQUE TO 36 LB. FT.
3. REPLACE EXISTING OIL PRESSURE SWITCH WITH 63945-001 & FITTING
4. REFERENCE ITEMS SUPPLIED WITH ENGINE KIT.
5. TORQUE MOUNTING BOLTS TO 75 FT/LBS.



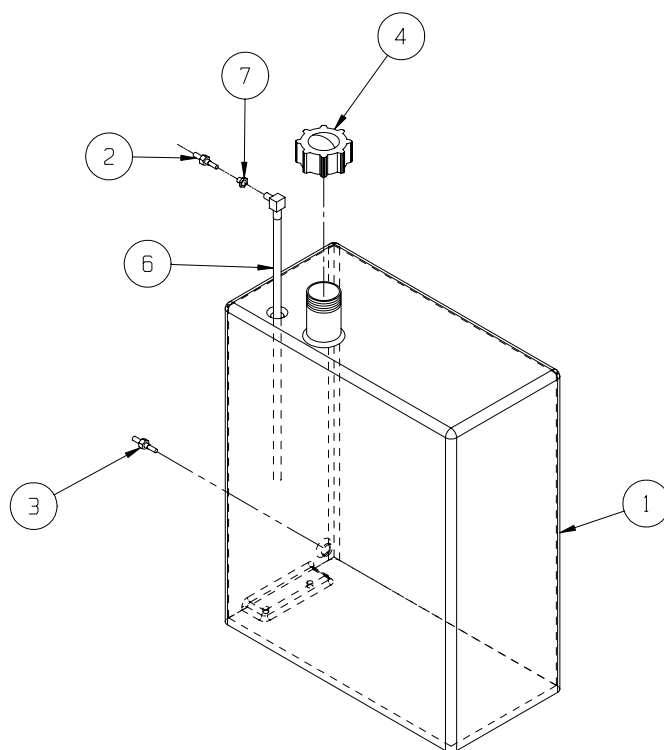
Drawing 2 of 2



# Fuel Tank Assembly

## 067485-001

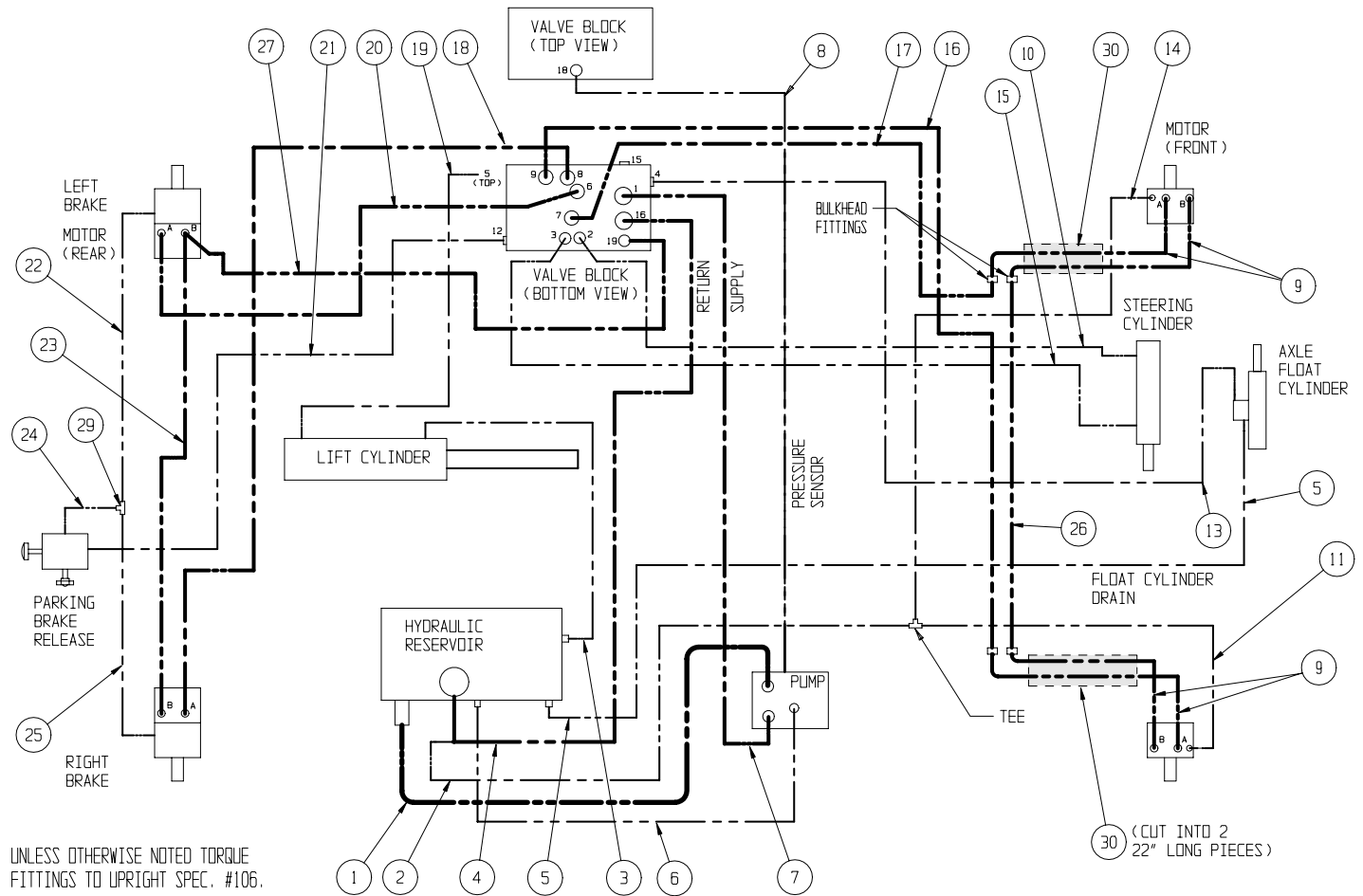
ITEM	PART NO.	PART/MATERIAL DESCRIPTION	QTY.
1	067837-000	ROTOMOLDED FUEL TANK	1
2	010178-001	BARBED FITTING, 3/16	1
3	010178-003	BARBED FITTING, 1/4	1
4	068982-000	FUEL CAP	1
6	067488-000	WITHDRAWAL TUBE WLDMT	1
7	03556-001	BUSHING, 2FP-4MP	1



# Hose Installation, LX31/LX41

## 067533-046

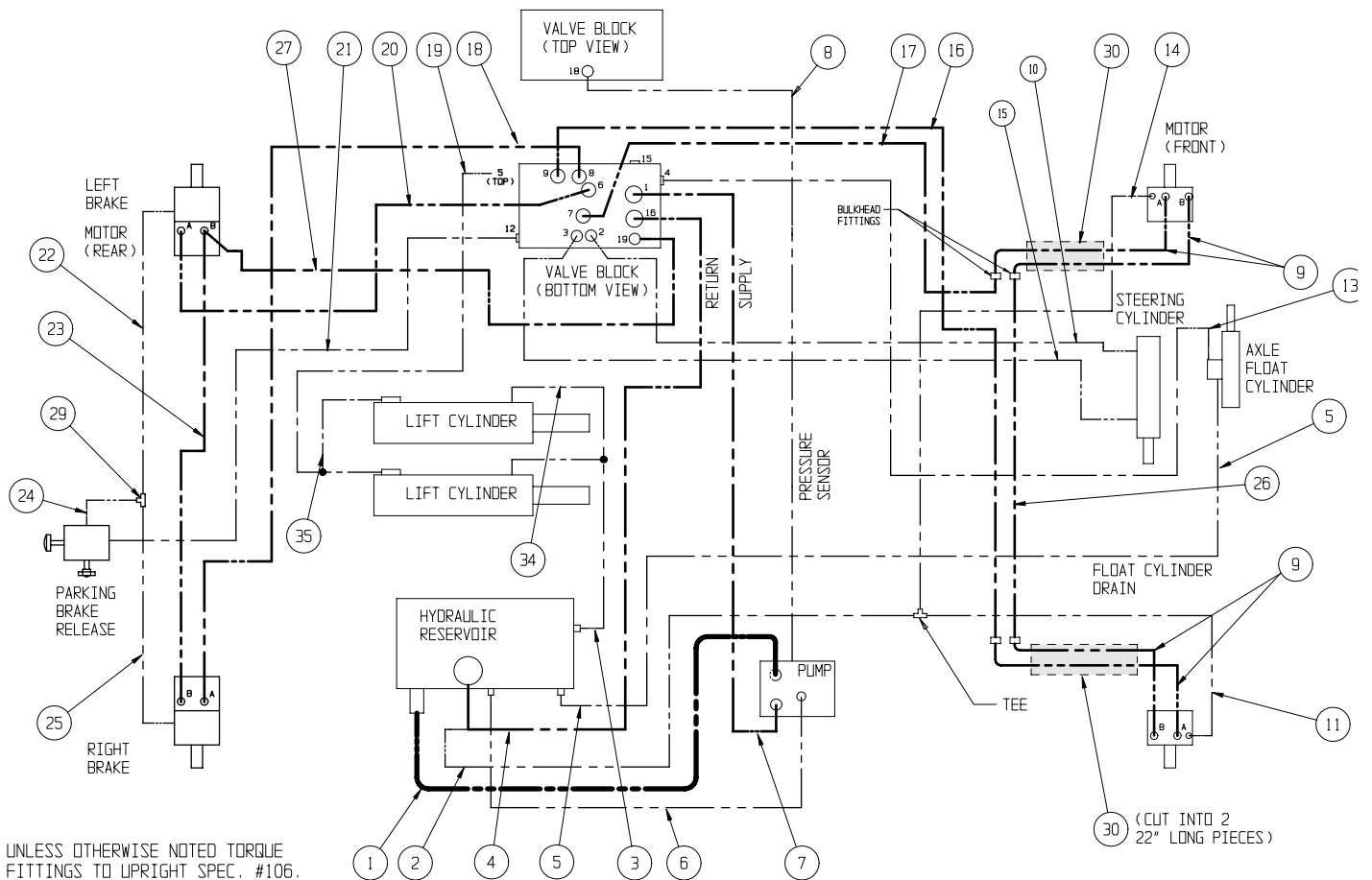
ITEM	PART NO.	PART/MATERIAL DESCRIPTION	QTY.	ITEM	PART NO.	PART/MATERIAL DESCRIPTION	QTY.
1	067680-027	1-1/4 HOSE ASSY X 27 20FJX-20FJX 90	1	16	067677-087	5/8 HOSE ASSY X 87 10FJX-10FJX 90	1
2	065234-009	1/4 HOSE ASSY X 65 4FJX-4FJX	1	17	067677-052	5/8 HOSE ASSY X 52 10FJX-10FJX 90	1
3	067857-334	3/8 HOSE ASSY X 334 6FJX-6FJX90	1	18	067677-144	5/8 HOSE ASSY X 144 10FJX-10FJX 90	1
4	067676-131	3/4 HOSE ASSY X 131 12FJX-12FJX 90	1	19	067684-200	3/8 HOSE ASSY X 200 6FJX-6FJX 90	1
5	067681-129	1/4 HOSE ASSY X 128 4FJX-4FJX 90	1	20	067677-112	5/8 HOSE ASSY X 112 10FJX-10FJX 90	1
6	067682-026	1/2 HOSE ASSY X 26 8FJX-8FJX 90	1	21	065234-152	1/4 HOSE ASSY X 152 4FJX-4FJX	1
7	067858-108	3/4 HOSE ASSY X 108 12FJX-12FJX	1	22	065234-014	1/4 HOSE ASSY X 46.5 4FJX-4FJX	1
8	065234-096	1/4 HOSE ASSY X 96 4FJX-4FJX	1	23	067687-061	5/8 HOSE ASSY X 61 10FJX90-10FJX90	1
9	067679-060	1/2 HOSE ASSY X 60 10FJX-8FJX 45	4	24	065234-032	1/4 HOSE ASSY X 32 4FJX-4FJX	1
10	067683-088	3/8 HOSE ASSY X 88 6FJX-6FJX 45	1	25	065234-001	1/4 HOSE ASSY X 20 4FJX-4FJX	1
11	067681-088	1/4 HOSE ASSY X 88 4FJX-4FJX 90	1	26	067687-084	5/8 HOSE ASSY X 84 10FJX90-10FJX90	1
13	065234-108	1/4 HOSE ASSY X 108 4FJX-4FJX	1	27	108037-120	1/2 HOSE ASSY X 120 10FJX-8FJX	1
14	067681-118	1/4 HOSE ASSY X 118 4FJX-4FJX 90	1	29	020032-001	FITTING 4MJ-4MJ TEE	REF
15	067683-098	3/8 HOSE ASSY X 98 6FJX-6FJX 45	1	30	067758-099	HOSE GUARD - NYLON	REF



# Hose Installation, LX50

## 067533-047

1	067680-027	1-1/4 HOSE ASSY X 27 20FJX-20FJX 90	1	17	067677-052	5/8 HOSE ASSY X 52 10FJX-10FJX 90	1
2	065234-009	1/4 HOSE ASSY X 65 4FJX-4FJX	1	18	067677-144	5/8 HOSE ASSY X 144 10FJX-10FX J90	1
3	067857-334	3/8 HOSE ASSY X 334 6FJX-6FJX90	1	19	067684-200	3/8 HOSE ASSY X 200 6FJX-6FJX 90	1
4	067676-131	3/4 HOSE ASSY X 131 12FJX-12FJX 90	1	20	067677-112	5/8 HOSE ASSY X 112 10FJX-10FJX 90	1
5	067681-129	1/4 HOSE ASSY X 128 4FJX-4FJX 90	1	21	065234-152	1/4 HOSE ASSY X 152 4FJX-4FJX	1
6	067682-026	1/2 HOSE ASSY X 26 8FJX-8FJX 90	1	22	065234-014	1/4 HOSE ASSY X 46.5 4FJX-4FJX	1
7	067858-108	3/4 HOSE ASSY X 108 12FJX-12FJX	1	23	067687-061	5/8 HOSE ASSY X 61 10FJX90-10FJX90	1
8	065234-096	1/4 HOSE ASSY X 96 4FJX-4FJX	1	24	065234-032	1/4 HOSE ASSY X 32 4FJX-4FJX	1
9	067679-060	1/2 HOSE ASSY X 60 10FJX-8FJX 45	4	25	065234-001	1/4 HOSE ASSY X 20 4FJX-4FJX	1
10	067683-088	3/8 HOSE ASSY X 88 6F JX-6F JX 45	1	26	067687-084	5/8 HOSE ASSY X 84 10FJX90-10FJX90	1
11	067681-088	1/4 HOSE ASSY X 88 4FJX-4FJX 90	1	27	108037-120	1/2 HOSE ASSY X 120 10FJX-8FJX	1
13	065234-108	1/4 HOSE ASSY X 108 4FJX-4FJX	1	29	020032-001	FITTING 4MJ-4MJ TEE	REF
14	067681-118	1/4 HOSE ASSY X 118 4FJX-4FJX 90	1	30	067758-099	HOSE GUARD - NYLON	REF
15	067683-098	3/8 HOSE ASSY X 98 6FJX-6FJX 45	1	34	060861-102	3/8 HOSE ASSY X 529 6FJX-6FJX	1
16	067677-087	5/8 HOSE ASSY X 87 10FJX-10FJX 90	1	35	060861-103	3/8 HOSE ASSY X 370 6FJX-6FJX	1

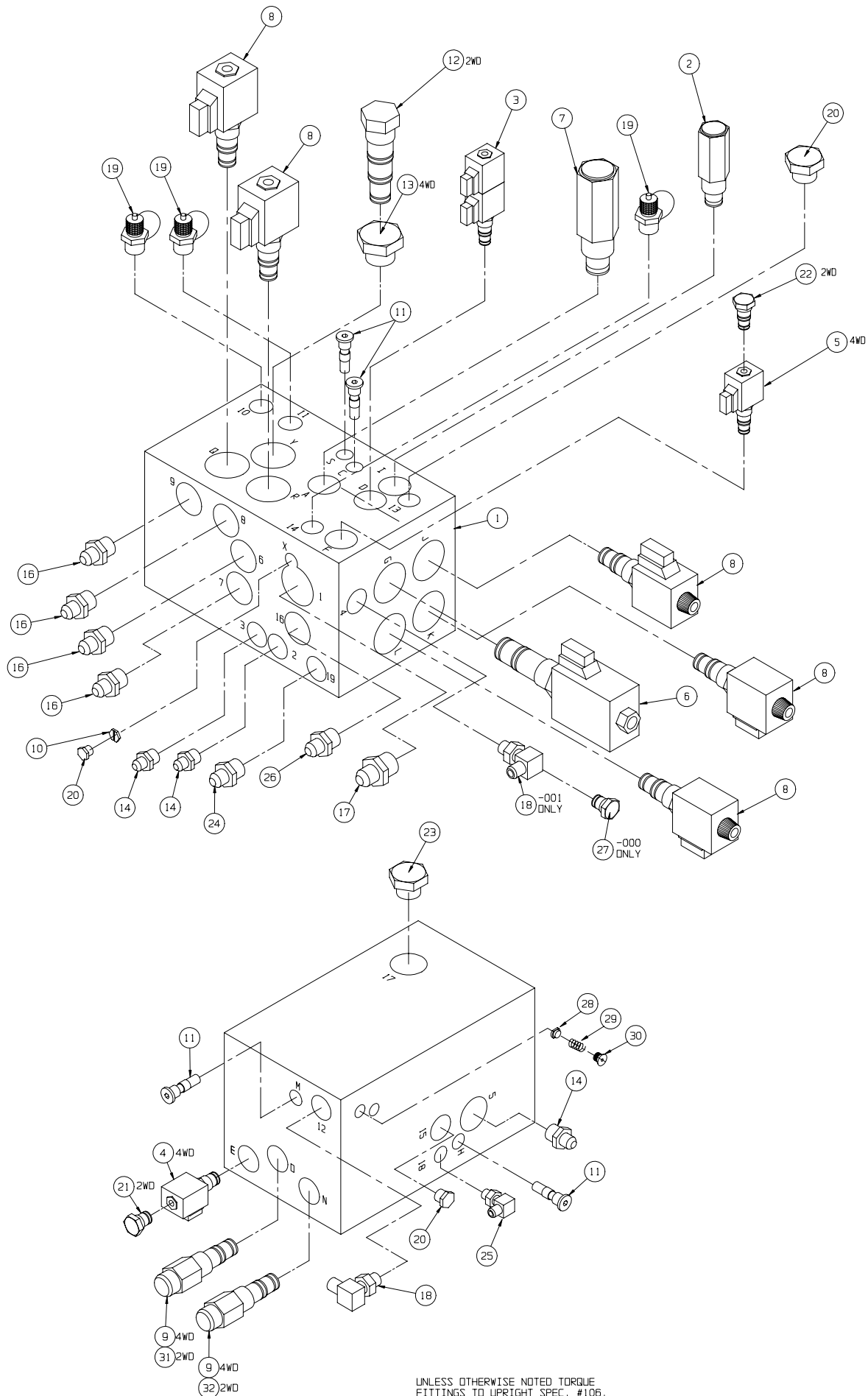


# Valve Block LX31/LX41/LX50

## 067489-001

ITEM	PART NO.	PART/MATERIAL DESCRIPTION	QTY.
1	067489-015	VALVE BLOCK	1
2	067489-003	VALVE, BI-DIRECTIONAL RELIEF	1
3	067489-004	VALVE, 3 POS - 4 WAY	1
4	067489-005	VALVE, 2 WAY N.C.	1
5	067489-006	VALVE, 2 POS - 3 WAY	1
6	067489-007	VALVE, PROPORTIONAL	1
7	067489-008	VALVE, RELIEF	1
8	067489-009	VALVE, SOL. 2 POS 3 WAY	5
9	067489-027	VALVE, COUNTERBALANCE 4WD	2
10	067489-011	ORIFICE (.060 DIA.)	1
11	067489-012	VALVE, SHUTTLE	4
13	020021-012	PLUG, #12 MB	1
14	011941-005	ADAPTER, #6 MB - #6 MJ	3

ITEM	PART NO.	PART/MATERIAL DESCRIPTION	QTY.
16	011941-015	ADAPTER, #10 MB - #10 MJ	4
17	011941-020	ADAPTER, #12 MB - #12 MJ	1
18	011934-003	ADAPTER, 90° #6 MB - #4 MJ	2
19	063965-001	PLUG, GUAGE PORT	3
20	020021-004	PLUG, #4 MB	2
23	020021-010	PLUG #10MB	1
24	011941-006	ADAPTER, #6 MB - #8 MJ	1
25	011934-026	ADAPTER, 90° #4 MB - #6 MJ	1
26	011941-016	ADAPTER, #10 MB - #12 MJ	1
28	067489-026	ORIFICE (.020)	1
29	067489-025	SPRING	1
30	067489-029	PLUG, #6 SAE	1



# Guardrail Installation, LX

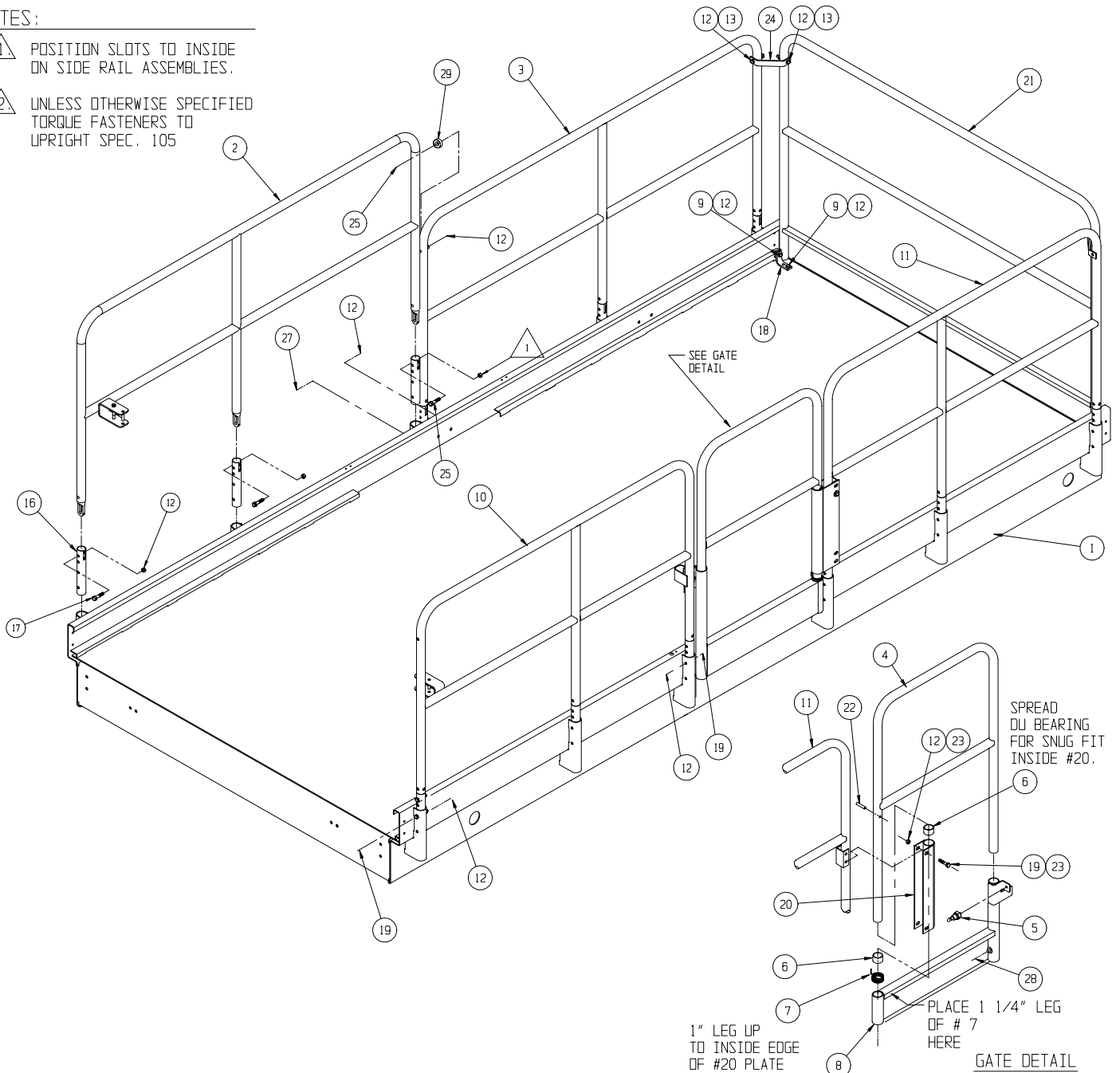
## 030867-331

ITEM	PART NO.	DESCRIPTION	QTY
1	030987-000	PLATFORM WELDMENT	REF
2	108145-000	GUARDRAIL WELDMENT	1
3	108144-001	GUARDRAIL WELDMENT	1
4	108062-000	GATE WELDMENT	1
5	003570-005	RETAINING PIN ASSY	1
6	062642-026	BEARING	2
7	066526-004	TORSION SPRING	1
8	108063-000	GATE KICKRAIL WELDMENT	1
9	011254-010	SCREW HHC 3/8-16UNC X 1 1/4	6
10	108066-000	GUARDRAIL WELDMENT 3	1
11	108065-000	GUARDRAIL WELDMENT 4	1
12	011248-006	NUT HEX ESNA 3/8-16UNC	46
13	011254-018	SCREW HHC 3/8-16UNC X 2 1/4	4

ITEM	PART NO.	DESCRIPTION	QTY
16	067755-001	SWING TUBE	12
17	011254-016	SCREW HHC 3/8-16UNC X 2	10
18	064046-000	BRACKET, RAIL MOUNT	2
19	011254-020	SCR HHC 3/8-16 X 2-1/2	22
20	108064-000	PIVOT TUBE WELDMENT	1
21	030987-015	GUARDRAIL WELDMENT REAR	1
22	011739-014	ROLLPIN 3/8D X 1 3/4	1
23	011240-006	WASHER, FLAT STD 3/8	4
24	067463-000	BRACKET GUARDRAIL CORNER	2
25	011254-032	SCREW HHC 3/8-16 X 4	2
27	011254-034	SCREW 3/8 X 4 1/4	2
28	011254-006	SCREW 3/8 X 3/4	2
29	067695-000	SPACER	1

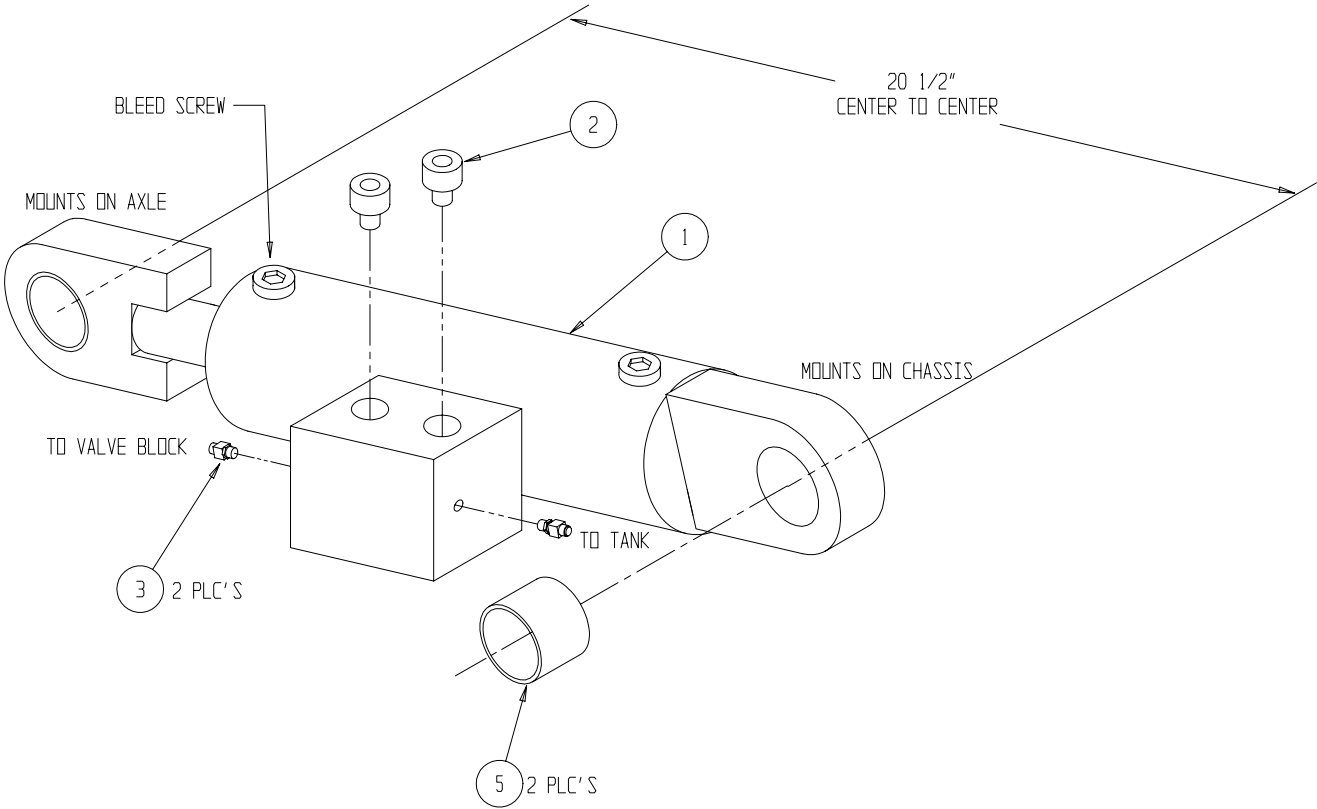
## NOTES:

1. POSITION SLOTS TO INSIDE ON SIDE RAIL ASSEMBLIES.
2. UNLESS OTHERWISE SPECIFIED TORQUE FASTENERS TO UPRIGHT SPEC. 105



**Axle Pivot Cylinder Assembly**  
**108060-000**

ITEM	PART NO.	PART/MATERIAL DESCRIPTION	QTY.
1	108058-000	AXLE PIVOT CYLINDER	1
*	108058-010	AXLE PIVOT CYLINDER SEAL KIT	REF
2	064297-003	CHECK VALVE CP450-2L-B-0-030-0	2
3	011941-001	FITTING, 4MB-4MJ	2
5	027931-057	BEARING, #AA-1704-11	2



## Front Tire & Wheel Assembly, Air Filled, LX31/LX41 067664-000, -001

ITEM	PART NO.	PART/MATERIAL DESCRIPTION	-000 RIGHT FRONT	-001 LEFT FRONT
			QTY.	QTY.
1	067609-000	WHEEL, 16.5 X 8.25 6 HOLE, 6 BC	1	1
2	067610-000	TIRE, 10-16.5 NHS 8 PLY	1	1
3	012282-001	VALVE STEM	1	1

## Rear Tire & Wheel Assembly, Air Filled, LX31/LX41 067666-004, -005

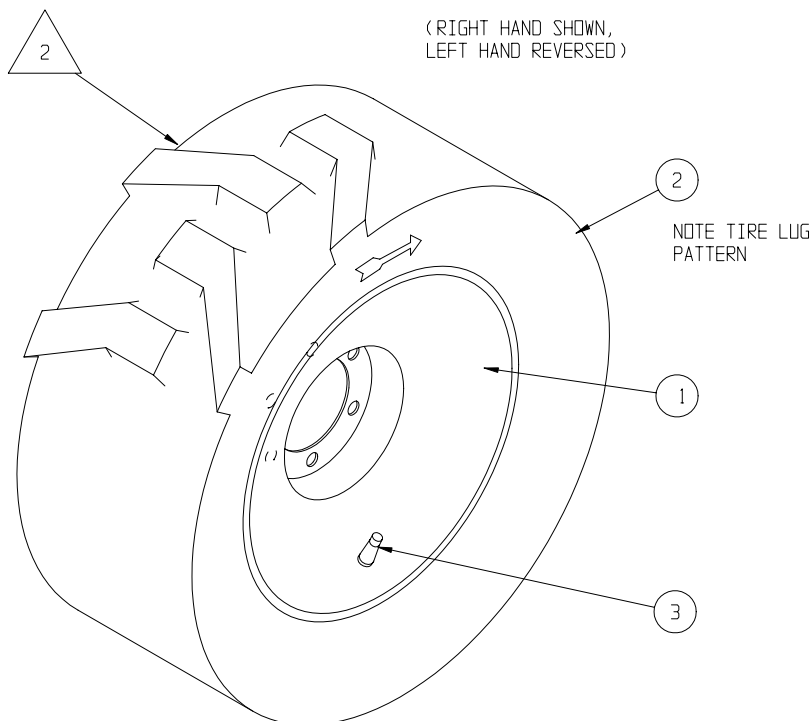
ITEM	PART NO.	PART/MATERIAL DESCRIPTION	-004 RIGHT REAR	-005 LEFT REAR
			QTY.	QTY.
1	067605-006	WHEEL, 16.5 X 8.25 8 HOLE, 5.5" BC	1	1
2	067610-000	TIRE, 10-16.5 NHS 8 PLY	1	1
3	012282-001	VALVE STEM	1	1

## Front Tire & Wheel Assembly, Poly-Filled, LX50 067664-002, -003

ITEM	PART NO.	PART/MATERIAL DESCRIPTION	-002 RIGHT FRONT	-003 LEFT FRONT
			QTY.	QTY.
1	067609-000	WHEEL, 16.5 X 8.25 6 HOLE, 6 BC	1	1
2	067610-000	TIRE, 10-16.5 NHS 8 PLY	1	1
3	012282-001	VALVE STEM	1	1

## Rear Tire & Wheel Assembly, Poly-Filled, LX50 067666-006, -007

ITEM	PART NO.	PART/MATERIAL DESCRIPTION	-006 RIGHT REAR	-007 LEFT REAR
			QTY.	QTY.
1	067605-006	WHEEL, 16.5 X 8.25 8 HOLE, 5.5" BC	1	1
2	067610-000	TIRE, 10-16.5 NHS 8 PLY	1	1
3	012282-001	VALVE STEM	1	1



### NOTES:

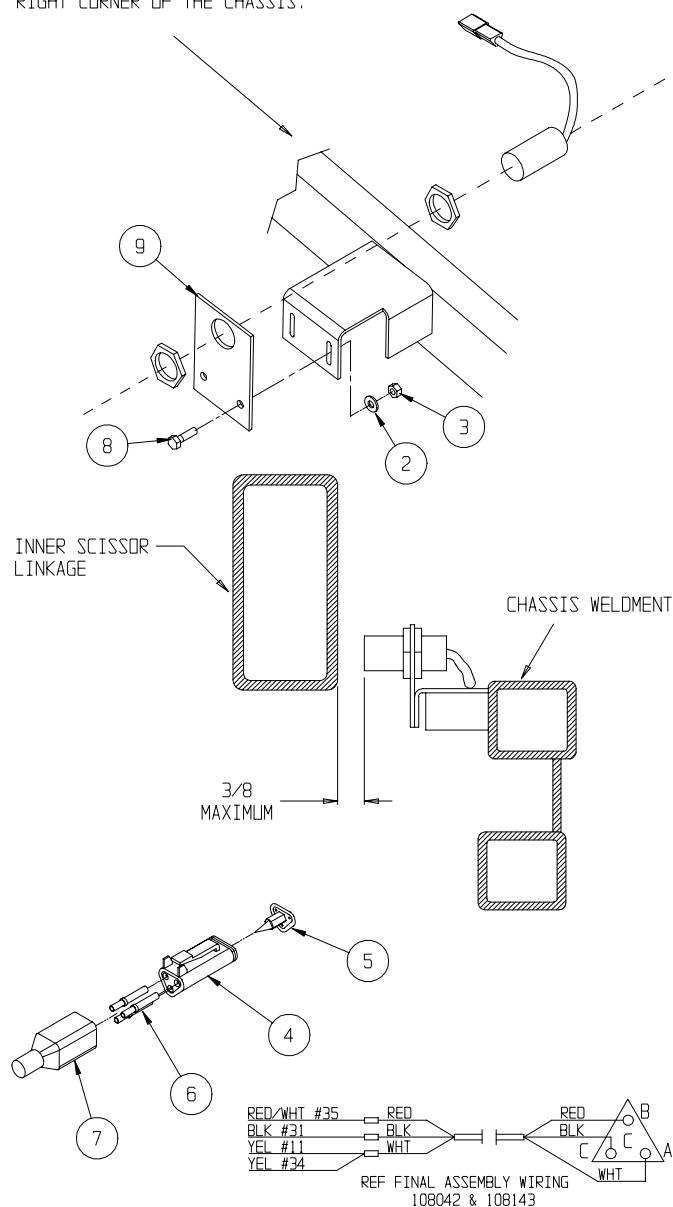
1. FILL TIRE/WHEEL ASSY WITH 110 LBS MIN TO 120 LBS MAX OF POLYFILL OR EQUIVALENT.
2. BRAND BACKSIDE OF TIRE/WHEEL ASSY AS FOLLOWS:  
"UPRIGHT 6KP"  
TIRE SEALANT  
SPACE  
LAST DIGIT OF  
YEAR WHEN TIRE  
WAS FILLED  
LETTER CORRESPONDING  
TO MONTH:  
JAN=1=A  
FEB=2=B  
ECT.

## Proximity Switch Installation 108040-010

ITEM	PART NO.	PART/MATERIAL DESCRIPTION	QTY
1	067193-001	IND. PROX. SWITCH TURK#BI10-M30-VP4X	1
2	014996-004	WASHER - 1/4" FLAT	2
3	011248-004	LOCKNUT 1/4-20 UNC ESNA	2
4	067456-001	RECEPTACLE 3 PIN DT04-3P-E004	1
5	067456-003	WEDGE LOCKING W3P-P012	1
6	068762-000	PIN CONTACT 0460-215-16141	3
7	068908-005	BOOT 3 PIN DT 3P-BT	1
8	011252-008	SCREW - 1/4-20 UNC X 1" LG.	2
9	108141-001	BRACKET - PROX. DOWN SWITCH	1

NOTE: ADJUST SWITCH TO OPEN AT LESS THAN  
2 FEET OF PLATFORM LIFT

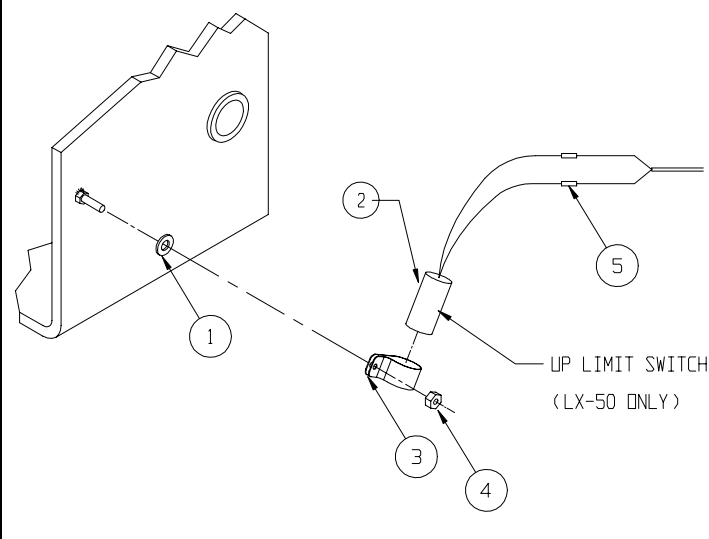
LOCATION: UNDER SCISSOR STACK NEAR THE FRONT  
RIGHT CORNER OF THE CHASSIS.



## Mercury Switch Installation - LX50 Only 108041-010

ITEM	PART NO.	PART/MATERIAL DESCRIPTION	QTY.
1	011240-006	3/8 FLAT WASHER	1
2	063497-001	MERCURY SWITCH	1
3	013919-013	CLAMP	1
4	011248-006	LOCKNUT, 3/8-16 UNC ESNA	1
5	029620-002	CONNECTOR, BUTT 16-14 GA.	2

NOTE: SEE FINAL ASSY SPECIFICATION FOR SWITCH ADJUSTMENT

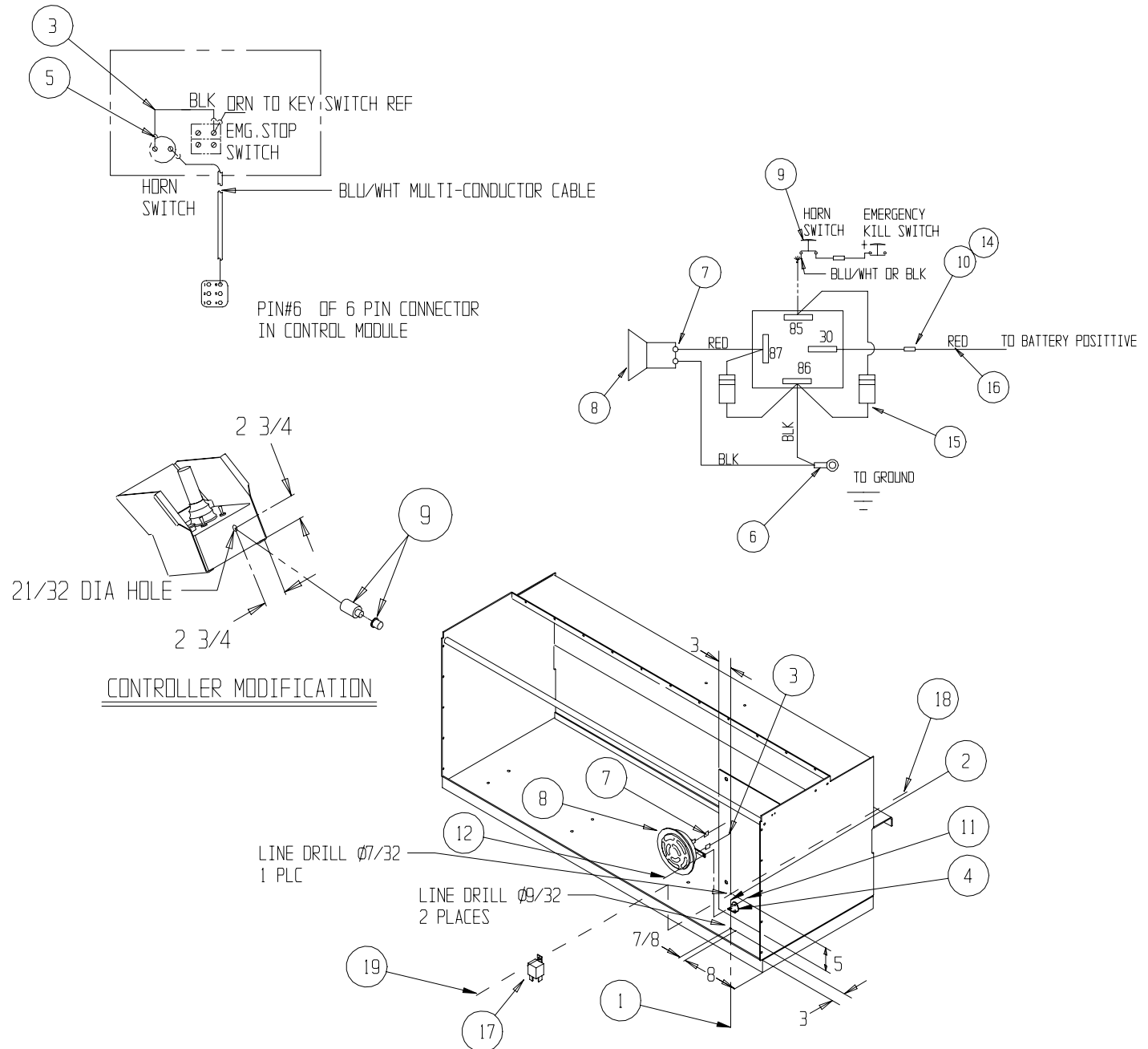


# Horn

## 067908-001

ITEM	PART NO.	PART/MATERIAL DESCRIPTION	QTY.
1	011252-008	SCREW HHC 1/4-20 X 1	2
2	011248-004	NUT HEX 1/4-20	2
3	029452-099	WIRE 16 GA BLACK	75 FT
4	067902-000	BRACKET, GAS SPRING	1
5	029610-002	CONNECTOR FORK	3
6	029601-014	CONNECTOR RING	2
7	029615-002	CONECTOR PUSH	2
8	029958-001	HORN 12VDC	1
9	063917-000	SWITCH PUSHBUTTON	1

ITEM	PART NO.	PART/MATERIAL DESCRIPTION	QTY.
10	029704-007	FUSE, 7-1/2 AMP	1
11	011248-005	NUT HEX ESNA 5/16-18	1
12	011253-008	SCREW HHC 5/16-18UNC X 1	1
14	029702-000	FUSE HOLDER	1
15	029825-002	DIODE, 5 AMP 400V	2
16	029454-099	WIRE 16 GA RED	3 FT
17	068132-001	RELAY, AUTOMOTIVE	1
18	011249-003	LOCKNUT HEX 10-32	1
19	011826-005	SCREW RND HD 10-32	1

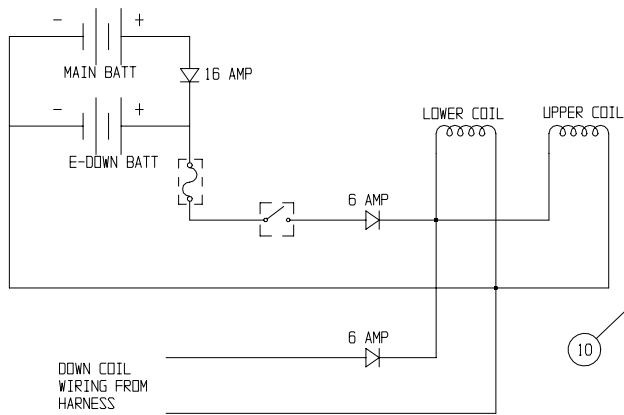


# Electric Emergency Lowering, LX50

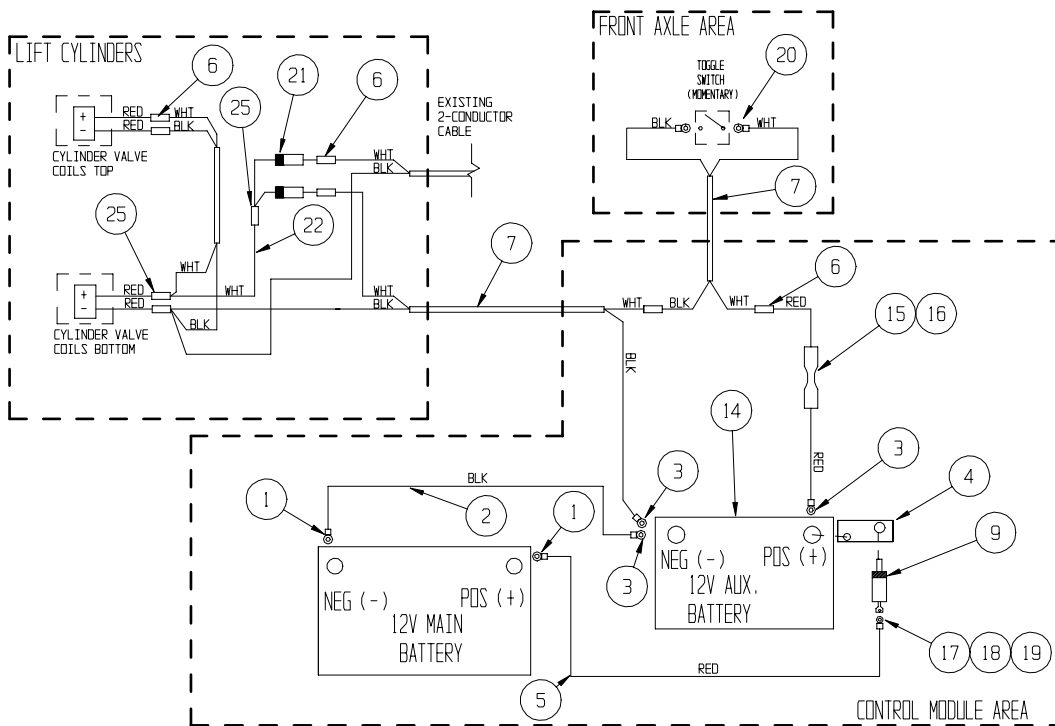
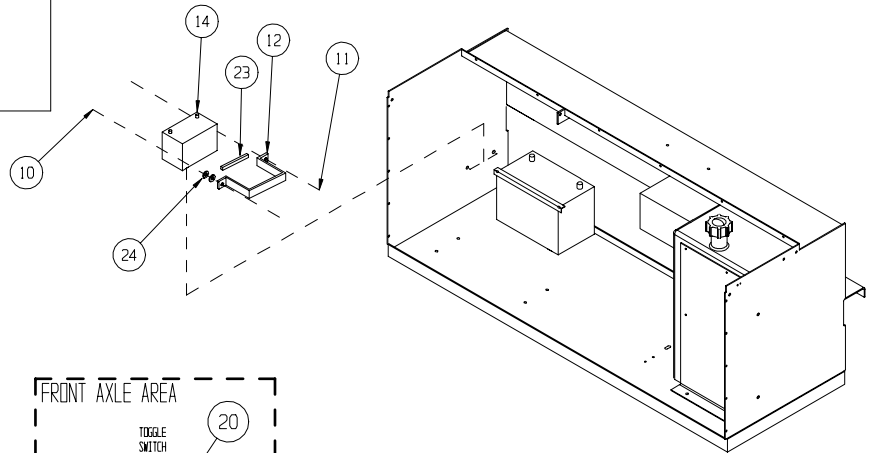
## 108038-000

ITEM	PART NO.	PART/MATERIAL DESCRIPTION	QTY.
1	029601-040	5/16" RING TERM - 16 AWG	2
2	029452-099	WIRE 16 AWG BLACK	3 FT
3	029601-013	#10 RING TERM - 16 AWG	3
4	066630-012	BUSS BAR - COPPER	1
5	029454-099	WIRE 16 GA - RED	3 FT
6	029620-002	CONN BUTT 16-14 GA INSL	6
7	029496-099	WIRE 16 GA 2-COND	75 FT
8	029872-001	BOOT - RED	1
9	066630-013	DIODE - 16 AMP	1
10	011252-012	HHC 1/4-20 UNC X 1-1/2	2
11	011248-004	LOCKNUT, 1/4-20 UNC HEX	2
12	066630-011	BACKET - BATTERY HOLD DOWN	1
13	012798-003	SWITCH, TOGGLE MOMENTARY	1

ITEM	PART NO.	PART/MATERIAL DESCRIPTION	QTY.
14	066630-010	BATTERY - 5 AMP SIEBERT	1
15	029702-000	HOLDER, FUSE LITTLEFUSE #155100	1
16	029704-007	FUSE, 7-1/2 AMP	1
17	029601-012	#8 RING TERM - 16 AWG	1
18	011708-004	SCREW - MACH #8-32 UNC X 1/2" LG	1
19	011248-002	NUT - ESNA #8-32 UNC	1
20	029601-011	#6 RING TERM - 16 AWG	2
21	029825-002	DIODE - 6 AMP	2
22	029451-099	WIRE 16 GA WHITE	3 FT
23	068889-099	WEATHERSTRIP - 1/2 X 3/16 FOAM	.5 FT
24	014996-004	WASHER - 1/4" FLAT	4
25	029620-003	CONN - BUTT 12-10 GA INSL	3



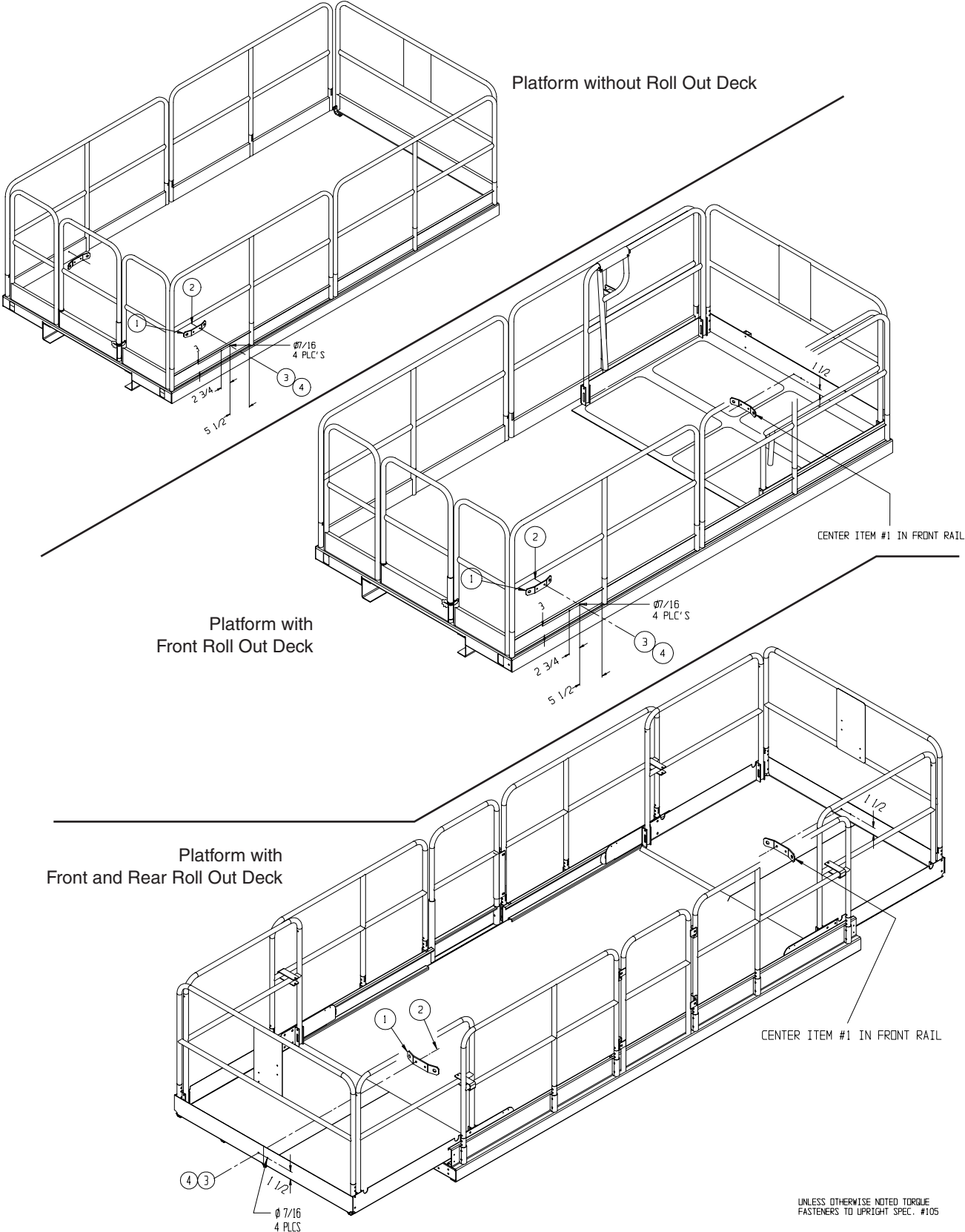
NOTES: 1) UNLESS OTHERWISE NOTED TORQUE FASTENERS TO UPRIGHT SPEC. #105.  
2) UNLESS OTHERWISE NOTED TORQUE FITTINGS TO UPRIGHT SPEC #106.



ELECTRICAL ASSEMBLY

Lanyard  
030742-003

ITEM	PART NO.	PART/MATERIAL DESCRIPTION	QTY.
1	030712-010	HARNESS HARDPOINT	2
2	011254-006	SCREW HHC GR5 3/8-16 UNC X 3/4	4
3	011240-006	WASHER FLAT STD 3/8	4
4	011248-006	NUT HEX ESNA 3/8-16	4



# Scissor Guard, LX31

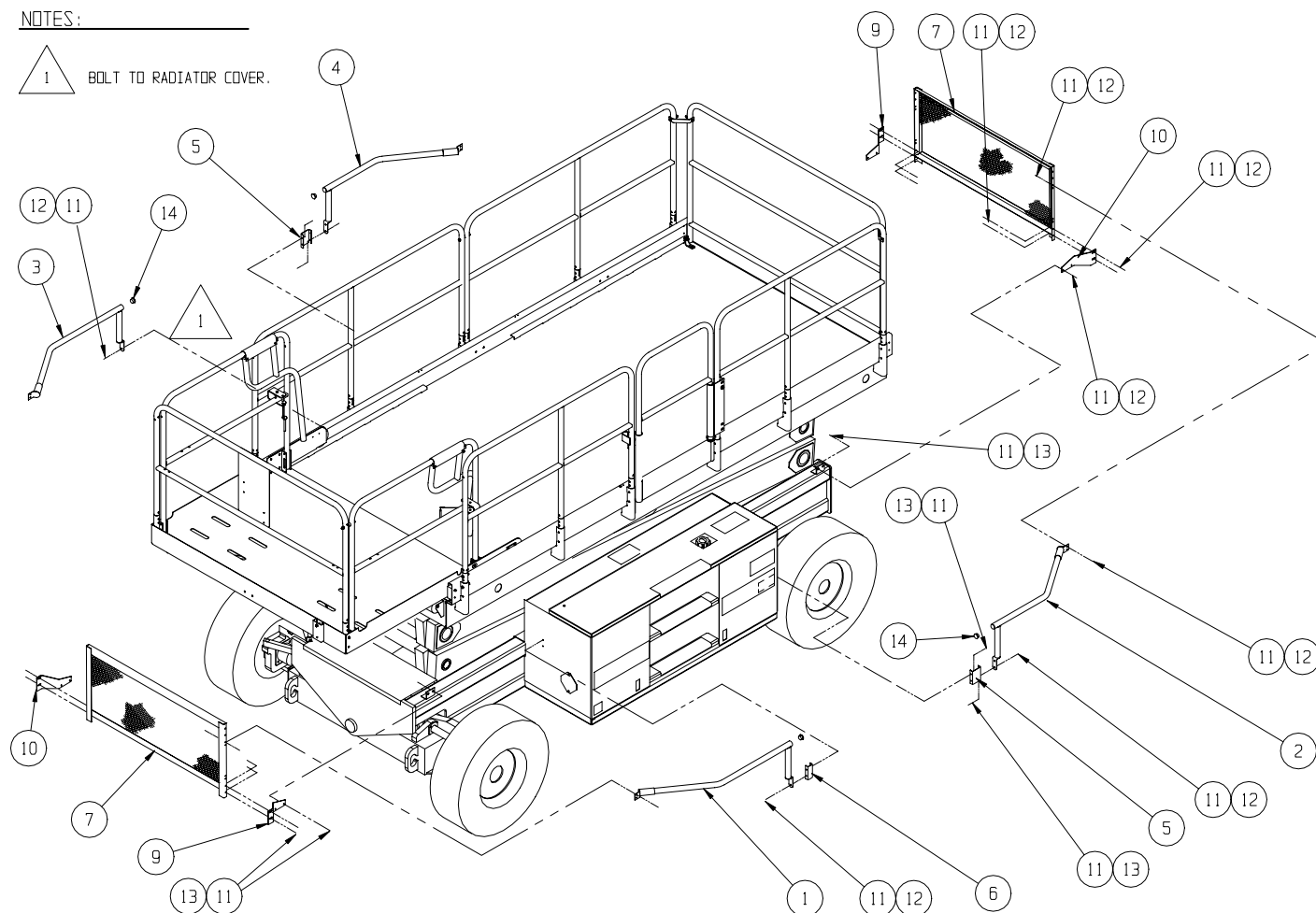
## 108135-000

ITEM	PART NO.	DESCRIPTION	QTY
1	108124-002	GUARD WELDMENT - CNTRL 31 FRT	1
2	108124-003	GUARD WELDMENT - CNTRL 31 REAR	1
3	108124-004	GUARD WELDMENT - POWER FRONT	1
4	108124-005	GUARD WELDMENT - POWER REAR	1
5	067941-001	CHANNEL-GUARD MOUNT	2
6	067941-002	CHANNEL-GUARD MOUNT (NARROW)	1
7	108120-002	GUARD WELDMENT- LX31	2

ITEM	PART NO.	DESCRIPTION	QTY
9	108128-001	BRACKET - GUARD MOUNT RH	2
10	108128-000	BRACKET - GUARD MOUNT LH	2
11	011240-004	WASHER - 1/4" FLAT STD	48
12	011248-004	NUT - 1/4-20 ESNA	36
13	011252-006	SCREW HHC 1/4-20 X 3/4"	36
14	066516-001	PLUG HEXCO	4

## NOTES:

1 BOLT TO RADIATOR COVER.



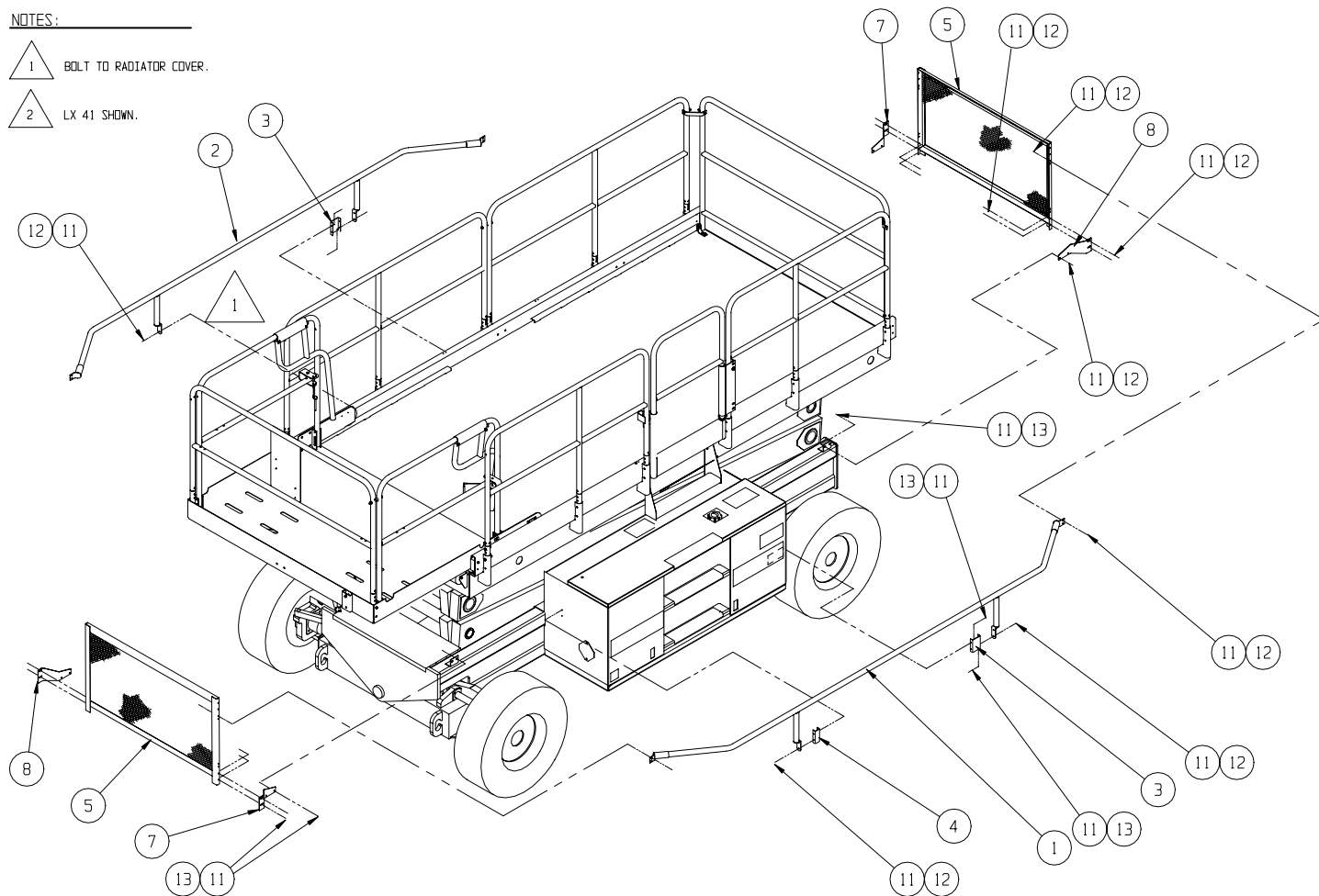
Scissor Guard, LX41/LX51  
108136-000

ITEM	PART NO.	DESCRIPTION	QTY
1	108124-000	GUARD WELDMENT - SCISSOR CNTRL	1
2	108124-001	GUARD WELDMENT - SCISSOR POWER	1
3	067941-001	CHANNEL - GUARD MOUNT	2
4	067941-002	CHANNEL - GUARD MOUNT (NARROW)	1
5	108120-001	GUARD WELDMENT -LX41/50	2

ITEM	PART NO.	DESCRIPTION	QTY
7	108128-001	BRACKET - GUARD MOUNT RH	2
8	108128-000	BRACKET - GUARD MOUNT LH	2
11	011240-004	WASHER - 1/4" FLAT STD	48
12	011248-004	NUT - 1/4-20 ESNA	36
13	011252-006	SCREW HHC 1/4-20 X 3/4"	36

NOTES:

- 1 BOLT TO RADIATOR COVER.
- 2 LX 41 SHOWN.

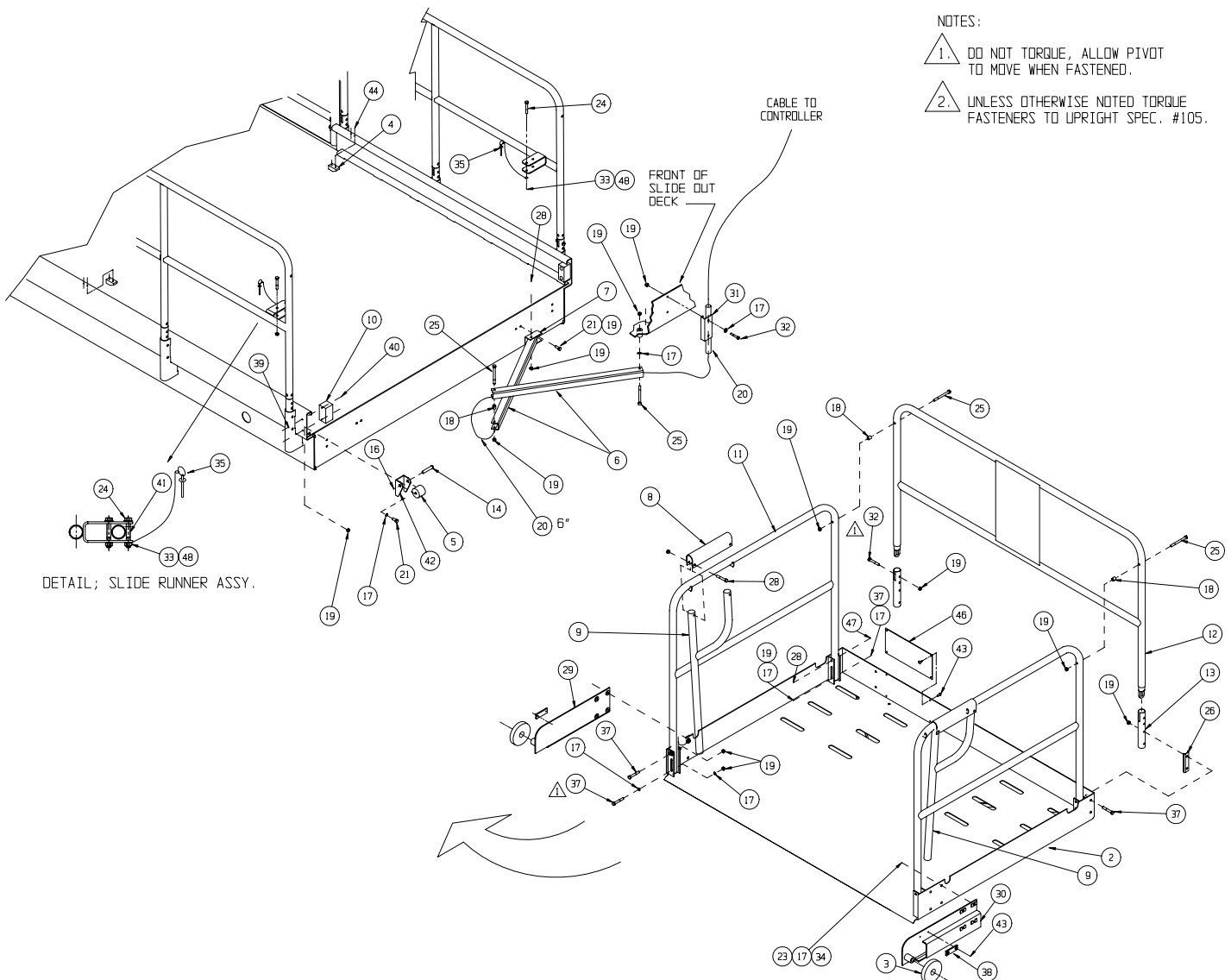


# Slide-Out Deck Installation, Front

## 067866-037

ITEM	PART NO.	DESCRIPTION	QTY
2	067787-002	SLIDE-OUT DECK WELDMENT	1
3	067760-004	WHEEL, SLIDE-OUT DECK	2
4	066192-000	SLIDE BLOCK	2
5	067720-002	ROLLER	2
6	067818-001	ARM, CABLE GUIDE	2
7	067786-001	BRACKET, CABLE GUIDE	1
8	067761-000	PIVOT, PUSH BAR	2
9	067862-003	HANDLE WELDMENT	2
10	066170-002	WEAR PAD	2
11	067776-001	GUARDRAIL WELDMENT	2
12	067778-000	GUARDRAIL WELDMENT	1
13	067755-001	SWING TUBE	2
14	011848-033	CLEVIS PIN, 1/2" DIA. X 3-1/2	2
16	011757-005	COTTER PIN, RUE RING	2
17	014996-006	WASHER, FLAT 3/8" DIA	15
18	067695-000	SPACER	3
19	011248-006	LOCKNUT, 3/8-16 UNC ESNA	29
20	012865-099	LOOM, WIRE 3/4"	8 FT.
21	011254-008	SCR. HHC 3/8-16 UNC X 1	6
23	011254-006	SCR. HHC 3/8-16 UNC X 3/4	8
24	015936-020	SCR. SHOU SS 3/8-16 UNC X 2.5"	4

ITEM	PART NO.	DESCRIPTION	QTY
25	011254-032	SCR. HHC 3/8-16 UNC X 4	4
26	067920-000	SPACER, GUARDRAIL	2
28	011254-018	SCR. HHC 3/8-16 UNC X 2 1/4"	3
29	067867-001	ROLLER BRACKET REAR WELDMENT L.H.	1
30	067867-000	ROLLER BRACKET REAR WELDMENT R.H.	1
31	063666-004	WIRE CHANNEL	1
32	011254-016	SCR. HHC 3/8 X 2"	2
33	011248-005	NUT HEX 5/16-18 ESNA	4
34	011238-006	WASHER 3/8 SPLIT LOCK WASHER	8
35	010414-006	LOCKING PIN ASSY 3/8 X 2	2
37	011254-020	SCR. HHC 3/8-16 UNC X 2 1/2"	6
38	066198-000	WEAR PAD	2
39	011252-012	SCR. HH 1/4-20 X 1-1/2	4
40	011248-004	1/4-20 ESNA NUT	4
41	067364-001	TUBING, 3/8 I.D. X 2" LG	4
42	067783-006	ROLLER BRACKET	2
43	026553-006	POP RIVET, 3/16 X.38-.50 GRIP	8
44	026553-012	POP RIVET, 3/16 X 1.125 GRIP	4
46	108056-000	PLATE LABEL MOUNT	1
47	011246-006	LOCKNUT THIN ESNA 3/8	2
48	014996-005	WASHER, FLAT 5/16	2



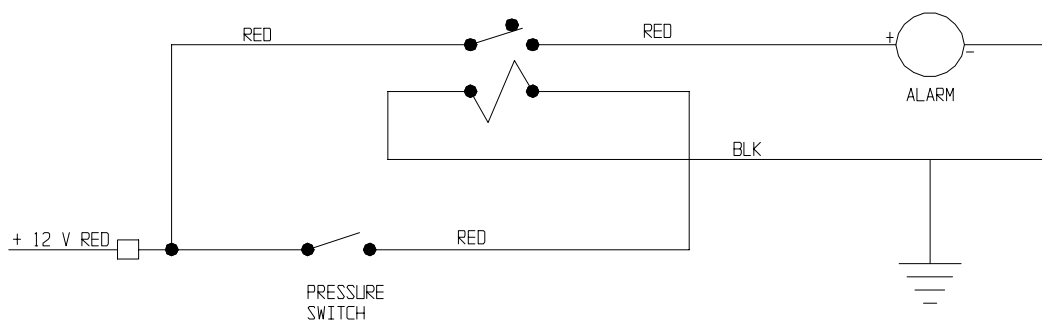
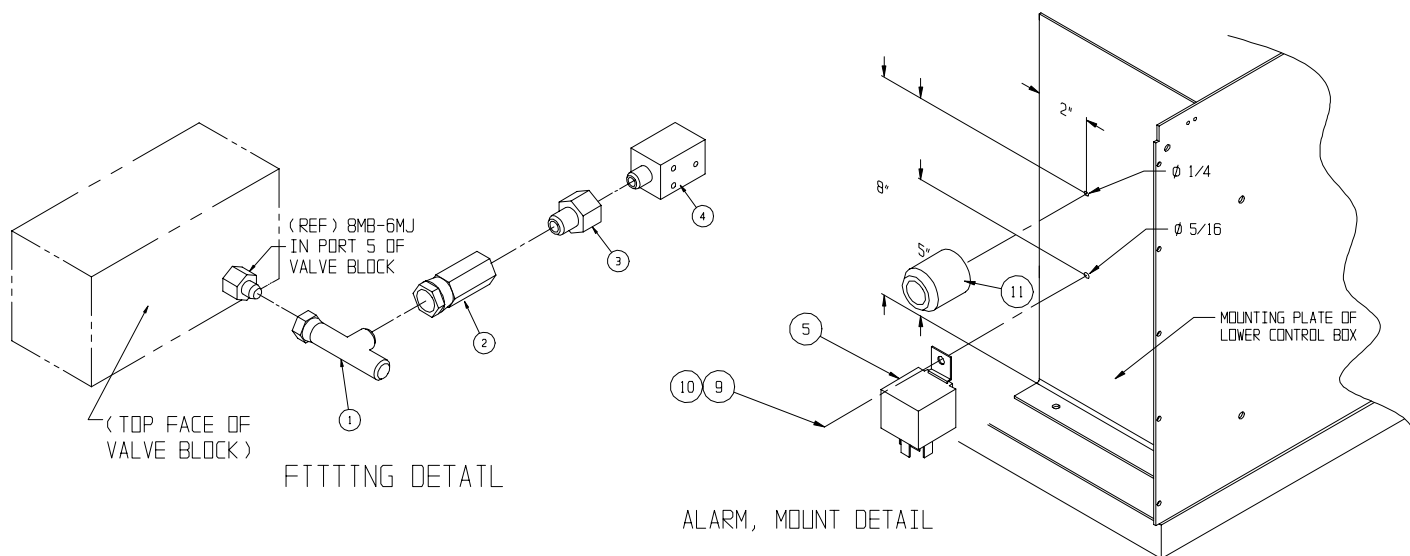
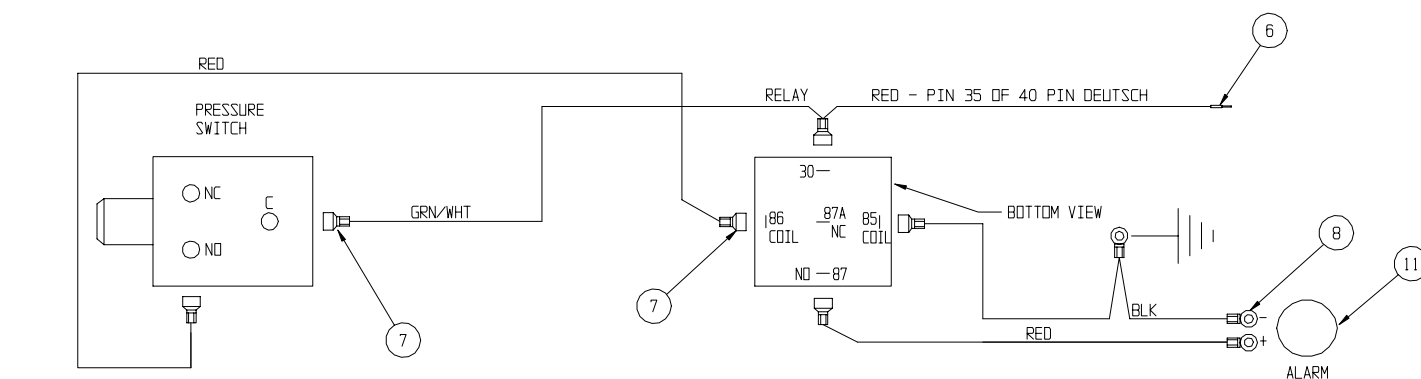


# Lift Overload – Option

## 030916-010

ITEM	PART NO.	PART/MATERIAL DESCRIPTION	QTY.
1	020733-002	TEE, 6FJX-6MJ-6MJ	1
2	014048-001	ADAPTER, 6FJX-6FP	1
3	011923-003	ADAPTER, 6MP-4FP	1
4	063921-004	PRESSURE SWITCH	1
5	068132-001	RELAY 12V-DC	1
6	014914-001	CONN. MALE PUSH 16-14 AWG .25 TAB	1

ITEM	PART NO.	PART/MATERIAL DESCRIPTION	QTY.
7	029931-003	CONN. FEMALE PUSH 16-14 AWG .25 TAB	7
8	029601-013	CONN. RING #10 16-14 AWG	3
9	011252-006	SCREW, HHCS 1/4-20 X 3/4 HHCS	1
10	011248-004	NUT ESNA 1/4-20	1
11	066807-003	ALARM 12V	1



ELECTRICAL SCHEMATIC

# Rear Slide-Out Deck – Option

## 067866-038/-039/-040

LX31 – 067866-038

LX41 – 067866-039

LX50 – 067866-040

### Rear Slide-Out Deck Labels

ITEM	PART NO.	DESCRIPTION	QTY
2	067787-002	SLIDE-OUT DECK WELDMENT	1
3	067760-004	WHEEL, SLIDE-OUT DECK	2
4	066192-000	SLIDE BLOCK	2
5	067720-002	ROLLER	2
6	067761-000	PIVOT PUSH BAR	2
7	108144-000	GUARDRAIL WELDMENT	1
8	108065-001	GUARDRAIL WELDMENT	1
9	067862-003	HANDLE WELDMENT	2
10	066170-002	WEAR PAD	2
11	067776-001	GUARDRAIL WELDMENT	2
12	067778-000	GUARDRAIL WELDMENT	1
13	067755-001	SWING TUBE	2
14	011848-033	CLEVIS PIN, 1/2" DIA. X 3-1/2	2
16	011757-005	COTTER PIN, RUE RING	2
17	014996-006	WASHER, FLAT 3/8" DIA	17
18	067695-000	SPACER	2
19	011248-006	LOCKNUT, 3/8-16 UNC ESNA	25
21	011254-008	SCR. HHC 3/8-16 UNC X 1	8
23	011254-006	SCR. HHC 3/8-16 UNC X 3/4	8
24	015936-020	SCR. SHOU SS 3/8-16 UNC X 2.5"	4
25	011254-032	SCR HHC 3/8 X 4	2
26	067920-000	SPACER, GUARDRAIL	2
28	011254-018	SCR. HHC 3/8-16 UNC X 2 1/4"	4
29	067867-001	ROLLER BRACKET REAR WELDMENT L.H.	1
30	067867-000	ROLLER BRACKET REAR WELDMENT R.H.	1
32	011254-016	SCR. HHC 3/8 X 2"	2
33	011248-005	NUT HEX 5/16-18 ESNA	10
34	011238-006	WASHER 3/8 SPLIT LOCK WASHER	4
35	010414-006	LOCKING PIN ASSY 3/8 X 2	2
37	011254-020	SCR. HHC 3/8-16 UNC X 2 1/2"	4
38	066198-000	WEAR PAD	2
39	011252-012	SCR. HH 1/4-20 X 1-1/2	4
40	011248-004	1/4-20 ESNA NUT	4
41	067364-001	TUBING, 3/8 I.D. X 2" LG	4
42	067783-006	ROLLER BRACKET	2
43	026553-006	POP RIVET, 3/16 X .38- .50 GRIP	8
44	026553-012	POP RIVET, 3/16 X 1.125 GRIP	4
46	108056-000	PLATE LABEL MOUNT	1
65	011246-006	LOCKNUT THIN ESNA 3/8	2
66	014996-005	WASHER, FLAT 5/16	2

067866-038 LX31			
ITEM	PART NO.	DESCRIPTION	QTY
48	066551-201	LABEL, WARNING GERMAN	1
49	066551-301	LABEL, WARNING FRENCH	1
50	066551-401	LABEL, WARNING SPANISH	1
51	066556-000	LABEL, CAUTION DESEND PLTFM	1
52	066556-200	LABEL, CAUTION GERMAN	1
53	066556-300	LABEL, CAUTION FRENCH	1
54	066556-400	LABEL, CAUTION SPANISH	1
55	061683-005	LABEL, UPRIGHT 4 1/2	1
57	067644-006	LABEL, LX 4WD	1
59	064910-016	LABEL, MAX LOAD 795 kg GER	2
60	066557-313	LABEL, MAX LOAD 795 kg FRN	2
61	066557-413	LABEL, MAX LOAD 795 kg SPN	2
62	066551-051	LABEL, MAX LOAD SLIDE-OUT EUR	1
63	066557-063	LABEL, MAX LOAD 795 kg EUR	2
64	108057-099	REFLECTIVE TAPE 2' WIDE	5 FT
067866-039 LX41			
ITEM	PART NO.	DESCRIPTION	QTY
48	066551-201	LABEL, WARNING GERMAN	1
49	066551-301	LABEL, WARNING FRENCH	1
50	066551-401	LABEL, WARNING SPANISH	1
51	066556-000	LABEL, CAUTION DESEND PLTFM	1
52	066556-200	LABEL, CAUTION GERMAN	1
53	066556-300	LABEL, CAUTION FRENCH	1
54	066556-400	LABEL, CAUTION SPANISH	1
55	061683-005	LABEL, UPRIGHT 4 1/2	1
57	067644-008	LABEL, LX 4WD	1
59	064910-010	LABEL, MAX LOAD 567 kg GER	2
60	066557-306	LABEL, MAX LOAD 567 kg FRN	2
61	066557-406	LABEL, MAX LOAD 567 kg SPN	2
62	066551-051	LABEL, MAX LOAD SLIDE-OUT EUR	1
63	066557-056	LABEL, MAX LOAD 567 kg EUR	2
64	108057-099	REFLECTIVE TAPE 2" WIDE	5 FT
067866-040 LX50			
ITEM	PART NO.	DESCRIPTION	QTY
48	066551-201	LABEL, WARNING GERMAN	1
49	066551-301	LABEL, WARNING FRENCH	1
50	066551-401	LABEL, WARNING SPANISH	1
51	066556-000	LABEL, CAUTION DESEND PLTFM	1
52	066556-200	LABEL, CAUTION GERMAN	1
53	066556-300	LABEL, CAUTION FRENCH	1
54	066556-400	LABEL, CAUTION SPANISH	1
55	061683-005	LABEL, UPRIGHT 4 1/2	1
57	067644-020	LABEL, LX 4WD	1
59	064910-006	LABEL, MAX LOAD 340 kg GER	2
60	066557-300	LABEL, MAX LOAD 340 kg FRN	2
61	066557-400	LABEL, MAX LOAD 340 kg SPN	2
62	066551-051	LABEL, MAX LOAD SLIDE-OUT EUR	1
63	066557-050	LABEL, MAX LOAD 340 kg EUR	2
64	108057-099	REFLECTIVE TAPE 2' WIDE	5 FT

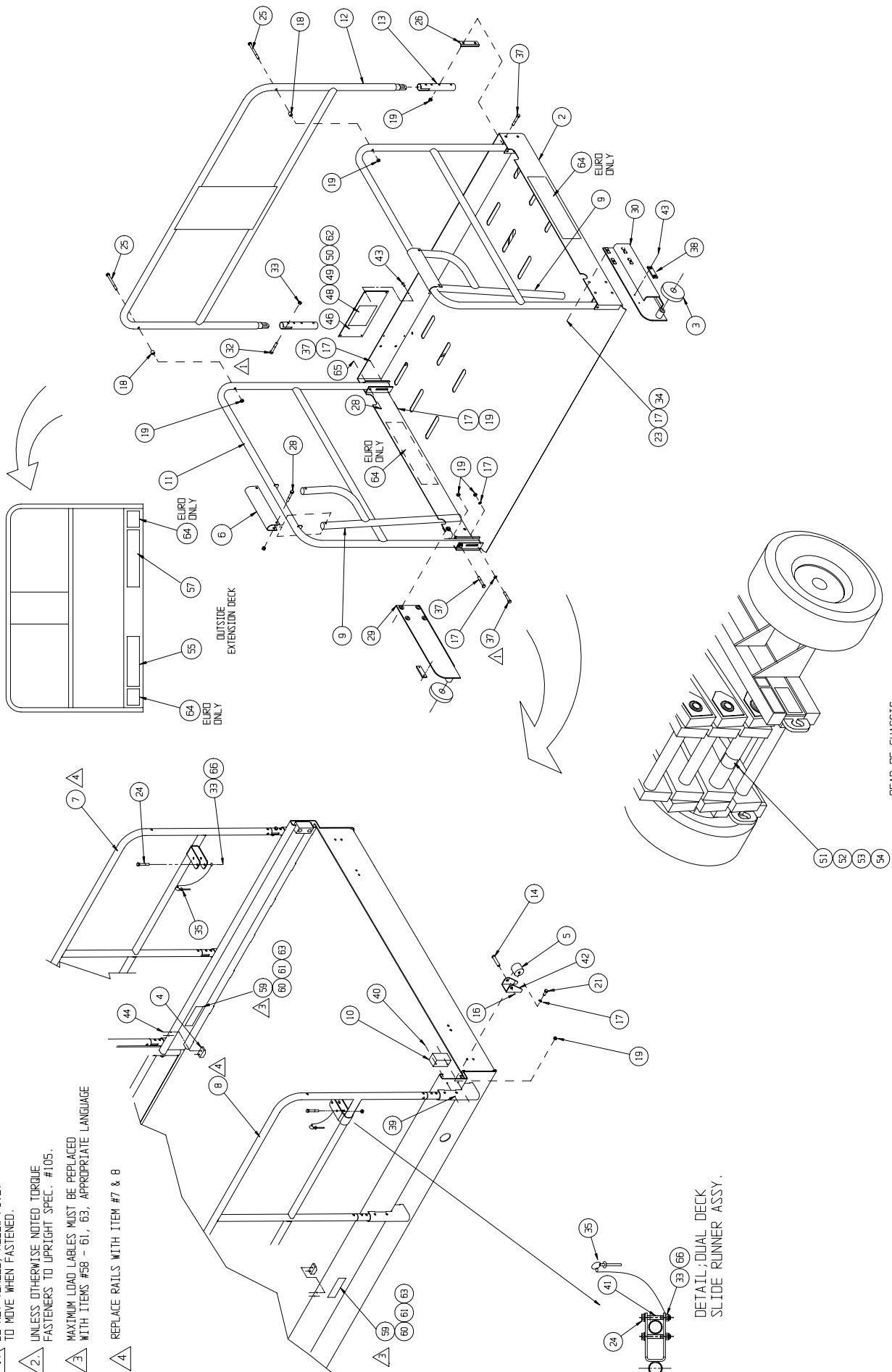
## NOTES:

1. DO NOT TORQUE, ALLOW PIVOT TO MOVE WHEN FASTENED.

2. UNLESS OTHERWISE NOTED, TORQUE FASTENERS TO UPRIGHT SPEC. #105.

3. MAXIMUM LOAD LABELS MUST BE REPLACED WITH ITEMS #58 - 61, 63, APPROPRIATE LANGUAGE

4. REPLACE RAILS WITH ITEM #7 & 8



**Platform Assembly, 17 FT Deck – Option****108014-012/-013/-014****Labels****LX31 – LX41 – LX50****108014-012 #2 LX31**

ITEM	PART NO.	DESCRIPTION	QTY
1	108110-001	PLATFORM - 17 FOOT CENTERED	1
2	108103-002	RAIL WELDMENT - SIDE	1
3	108103-001	RAIL WELDMENT - SIDE	1
4	108104-002	RAIL WELDMENT - SIDE	1
5	108104-001	RAIL WELDMENT - SIDE	1
7	108103-003	RAIL WELDMENT - SIDE	1
8	067787-222	DECK ASSY - ROLLOUT	2
9	066170-002	PAD - WEAR	4
10	066192-000	COVER - BLOCK	4
12	067364-000	TUBE - SPACER	8
13	067720-002	ROLLER - SLIDE OUT DECK	4
14	067755-001	TUBE - ADAPTER	15
15	010414-006	LOCKING PIN - ASSEMBLY	4
16	067786-001	BRACKET- CABLE GUIDE	1
17	011254-032	SCREW HCC 1/2-13 X 4 LG	4
18	067818-001	ARM - CABLE GUIDE	2
19	067695-000	SPACER	3
20	063666-004	CHANNEL - WIRE	1
23	011254-006	SCREW HHC 3/8-16 X 3/4 LG	2
24	011254-008	SCREW HHC 3/8-16 X 1	10
25	011254-016	SCREW HHC 3/8-16 X 2	13
26	011254-018	SCREW HHC 3/8-16 X 2 1/4 LG	1
28	011254-032	SCREW HHC 3/8-16 X 4	6
29	011248-004	NUT 1/4-20 ESNA	8
30	011248-005	LOCKNUT 5/16-18	8
31	011248-006	NUT. HEX ESNA 3/8-16	58
32	011252-012	SCREW HHC 1/4-20 X 1 1/2 LG	8
33	026553-012	POP RVT 3/16 - .75-1.25 GRIP	8
34	011248-008	NUT, ESNA 1/2-13	4
35	015936-020	SCREW SHDR 3/8 X 2 1/2	8
36	108062-000	GATE - WELDMENT SIDE	1
37	108063-000	GATE WELDMENT- SIDE LATCH	1
38	108064-000	TUBE WELDMENT- PIVOT SIDE	1
39	003570-005	PIN - RETAINING	1
40	066526-004	SPRING - TORSION	1
41	062642-026	BEARING - 1.375 X 1.5313 X 1	2
42	011254-020	SCREW HHC 3/8-16 X 2 1/2	24
43	014996-006	WASHER 3/8 FLAT	15
44	067783-006	BRACKET - FLANGED ROLLER	4
45	011254-034	SCREW HHC 3/8 X 4 1/4	4
46	014996-005	WASHER, FLAT 5/16	4

ITEM	PART NO.	DESCRIPTION	QTY
203	066551-201	LABEL, WARNING GERMAN	1
204	066551-301	LABEL, WARNING FRENCH	1
205	066551-401	LABEL, WARNING SPANISH	1
206	066556-000	LABEL, CAUTION DESEND PLTFM	1
207	066556-200	LABEL, CAUTION GERMAN	1
208	066556-300	LABEL, CAUTION FRENCH	1
209	066556-400	LABEL, CAUTION SPANISH	1
210	061683-005	LABEL, UPRIGHT 4 1/2	1
212	067644-006	LABEL, LX 4WD	1
214	064910-016	LABEL, MAX LOAD 795 kg GER	2
215	066557-313	LABEL, MAX LOAD 795 kg FRN	2
216	066557-413	LABEL, MAX LOAD 795 kg SPN	2
217	066551-051	LABEL, MAX LOAD SLIDE-OUT EUR	1
218	066557-063	LABEL, MAX LOAD 795 kg EUR	2
219	108057-099	REFLECTIVE TAPE 2" WIDE	-
219	108057-099	REFLECTIVE TAPE 2" WIDE	5 FT

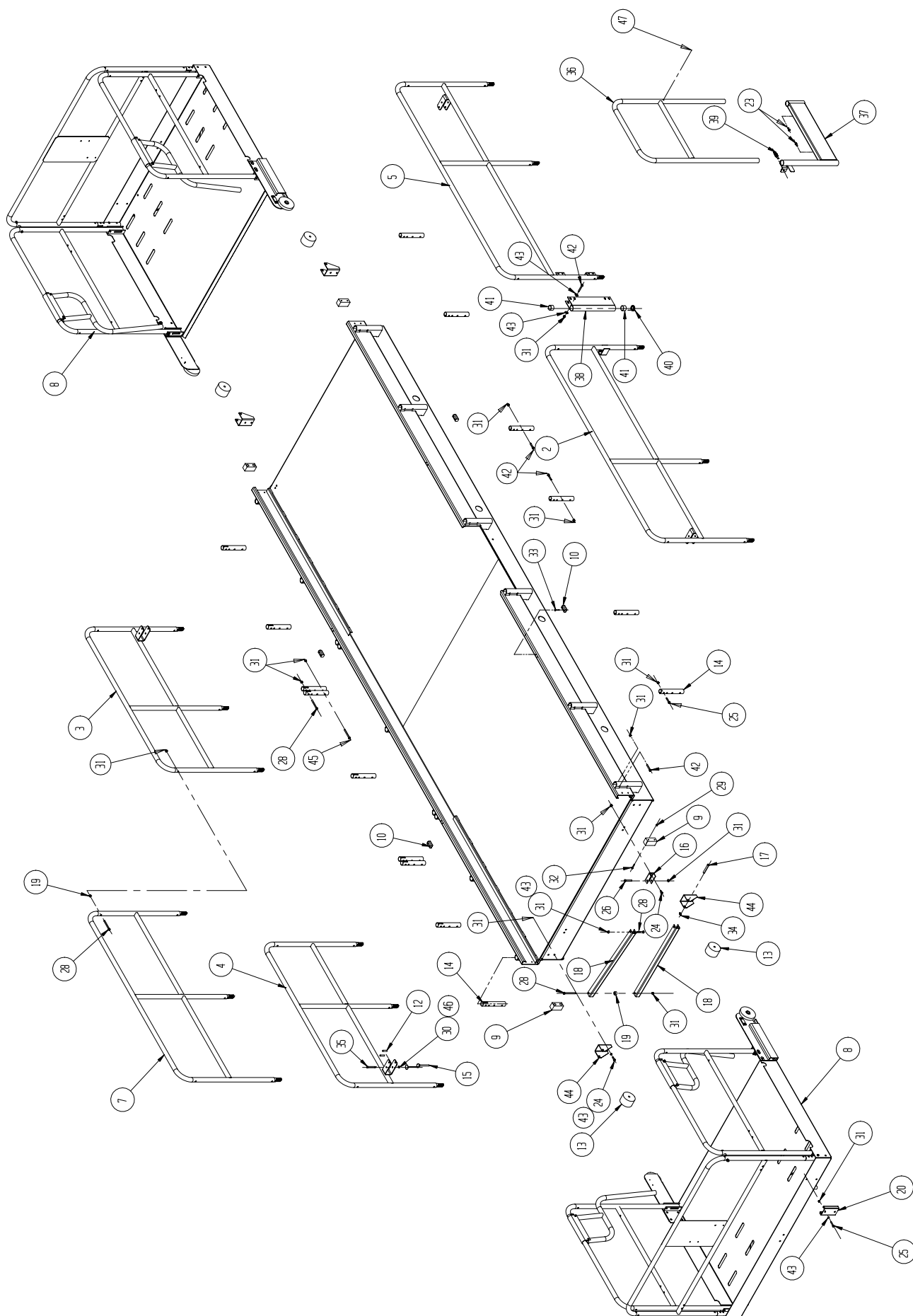
**108014-013 #2 LX41**

ITEM	PART NO.	DESCRIPTION	QTY
203	066551-201	LABEL, WARNING GERMAN	1
204	066551-301	LABEL, WARNING FRENCH	1
205	066551-401	LABEL, WARNING SPANISH	1
206	066556-000	LABEL, CAUTION DESEND PLTFM	1
207	066556-200	LABEL, CAUTION GERMAN	1
208	066556-300	LABEL, CAUTION FRENCH	1
209	066556-400	LABEL, CAUTION SPANISH	1
210	061683-005	LABEL, UPRIGHT 4 1/2	1
212	067644-008	LABEL, LX 4WD	1
214	064910-010	LABEL, MAX LOAD 567 kg GER	2
215	066557-306	LABEL, MAX LOAD 567 kg FRN	2
216	066557-406	LABEL, MAX LOAD 567 kg SPN	2
217	066551-051	LABEL, MAX LOAD SLIDE-OUT EUR	1
218	066557-056	LABEL, MAX LOAD 567 kg EUR	2
219	108057-099	REFLECTIVE TAPE 2" WIDE	5 FT

**108014-014 #2 LX50**

ITEM	PART NO.	DESCRIPTION	QTY
203	066551-201	LABEL, WARNING GERMAN	1
204	066551-301	LABEL, WARNING FRENCH	1
205	066551-401	LABEL, WARNING SPANISH	1
206	066556-000	LABEL, CAUTION DESEND PLTFM	1
207	066556-200	LABEL, CAUTION GERMAN	1
208	066556-300	LABEL, CAUTION FRENCH	1
209	066556-400	LABEL, CAUTION SPANISH	1
210	061683-005	LABEL, UPRIGHT 4 1/2	1
212	067644-020	LABEL, LX 4WD	1
214	064910-006	LABEL, MAX LOAD 340 kg GER	2
215	066557-300	LABEL, MAX LOAD 340 kg FRN	2
216	066557-400	LABEL, MAX LOAD 340 kg SPN	2
217	066551-051	LABEL, MAX LOAD SLIDE-OUT EUR	1
218	066557-050	LABEL, MAX LOAD 340 kg EUR	2
219	108057-099	REFLECTIVE TAPE 2" WIDE	5 FT

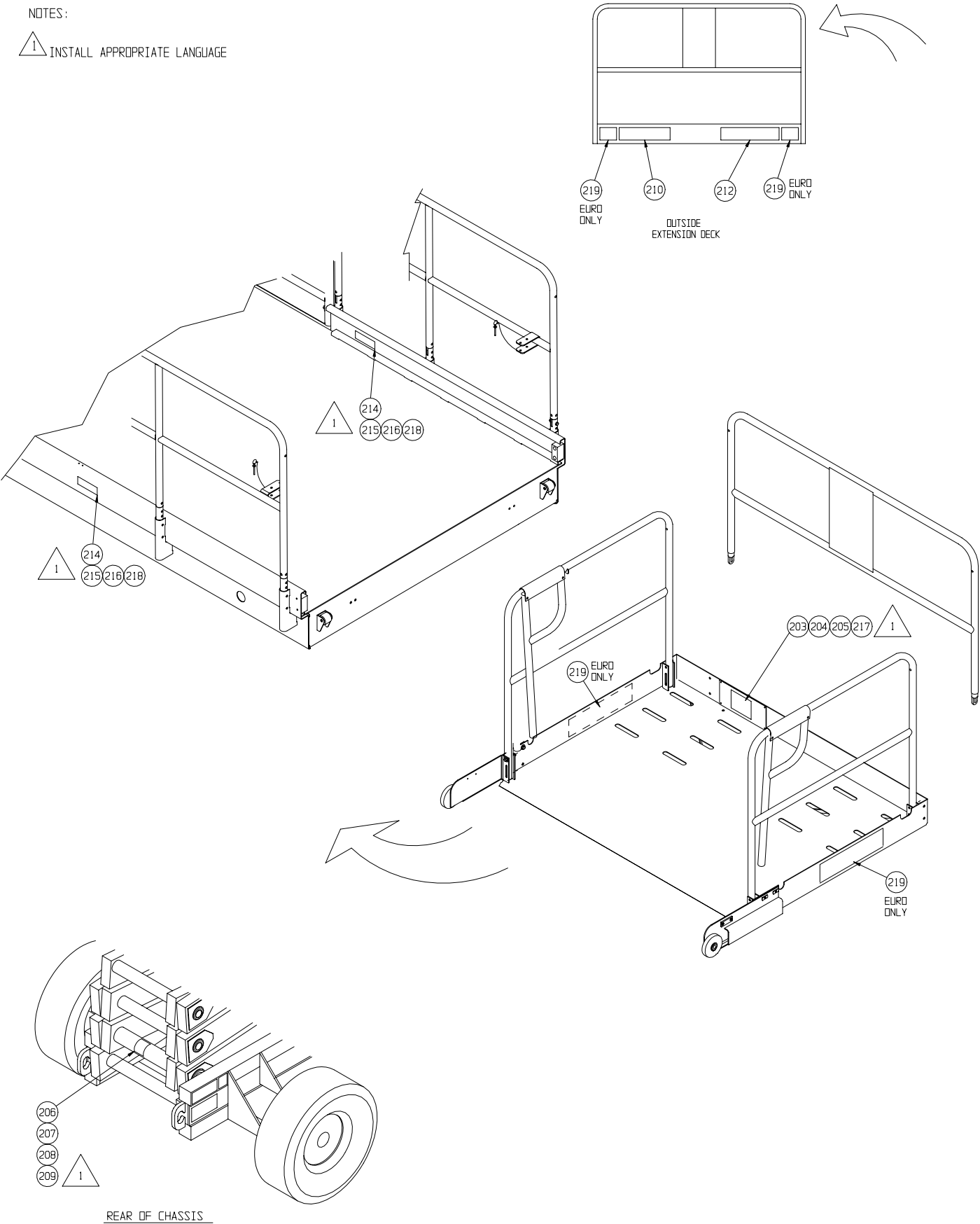
## Drawing 1 of 2



Drawing 2 of 2

NOTES:

1 INSTALL APPROPRIATE LANGUAGE



# Outrigger – Option

## 067950-042

ITEM	PART NO.	PART/MATERIAL DESCRIPTION	QTY.
1	067844-001	OUTRIGGER SUPPORT WELDMENT	REF
2	067840-000	OUTRIGGER CYL.	4
*	067840-010	SEAL KIT	REF
3	067953-020	HOSE INSTALLATION, LX OUTRIGGER	1
5	011248-008	NUT HEX ESNA 1/2-13 UNC	16
6	011256-016	SCREW HHC 1/2-13UNC X 2	16
7	062881-000	SWITCH BALL	REF
8	063921-006	SWITCH PRESS.	REF
9	066516-000	PLUG	4
10	069218-000	GROMMET, CAPLUG #GRO-1/2-UL	4
11	011941-005	FITTING 6MB-6MJ	4
12	011934-004	FITTING 6MBH-6MJ 90	4
13	011937-003	FITTING 6FJX-6MJ 90	4
14	066556-001	LABEL CAUTION	4
15	066556-201	LABEL CAUTION (GERMAN)	4
16	066556-301	LABEL CAUTION (FRENCH)	4
17	011240-008	WASHER 1/2 FLAT STD	16
202	067491-004	CONTROLLER ASSY (DIESEL)	1
203	067528-013	UPPER CONTROLLER ASSY (W/LIGHTS)	1
204	067490-000	OUTRIGGER VALVE BLOCK ASSY	1
205	011252-032	SCREW, HHC, 1/4-20 X 4	2
206	011248-004	NUT, 1/4-20, ESNA	6
207	000942-000	ORBIT LEVEL	1
208	005133-000	SPRING	3
209	011721-008	SCREW, RND HD, MACH., 4-40 X 1	3

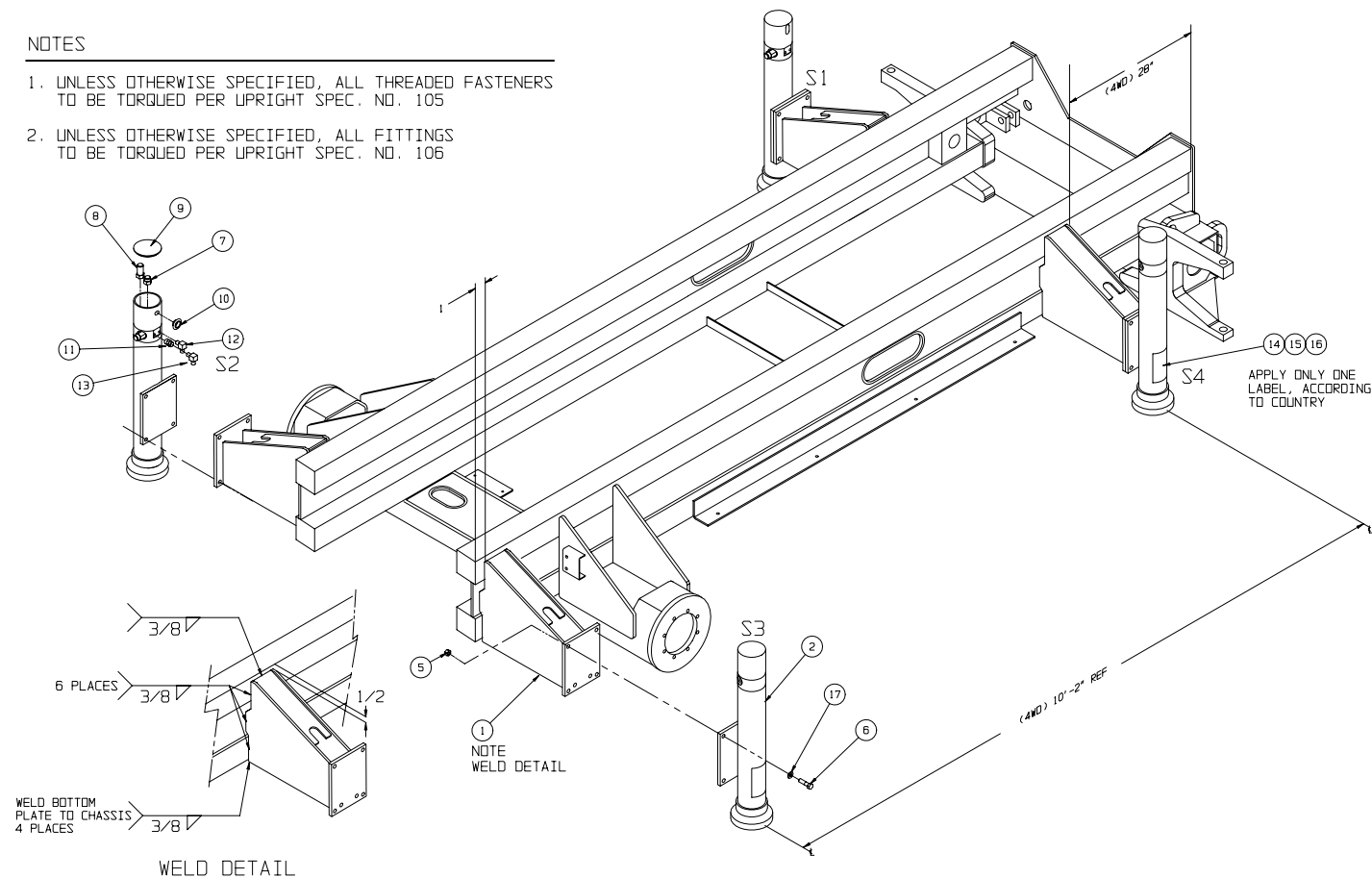
ITEM	PART NO.	PART/MATERIAL DESCRIPTION	QTY.
211	014924-008	U-BOLT	2
212	011248-049	NUT, HEX, 4-40, ESNA	3
213	020733-005	TEE, 12FJ-12MJ-6MJ	2
214	014693-003	ADAPTER, 12FJ-6MJ	2
215	011941-001	4MB-4MJ	1
216	067642-009	LABEL-CONTROLLER	1
217	067642-209	LABEL-CONTROLLER (GERMAN)	1
218	067642-309	LABEL-CONTROLLER (FRENCH)	1
219	067480-001	LABEL-LED CODES	1
220	067480-201	LABEL-LED CODES (GERMAN)	1
221	067480-301	LABEL-LED CODES (FRENCH)	1
222	066551-003	LABEL-DANGER TIPPING	1
223	066551-203	LABEL-DANGER TIPPING (GERMAN)	1
224	066551-303	LABEL-DANGER TIPPING (FRENCH)	1
225	067479-000	OUTRIGGER CONTROL CABLE ASSY	1
226	064794-000	LEVEL MOUNT	1
301	067492-024	WIRE HARNESS, OUTRIGGER	1
303	067479-001	WIRE HARNESS, OUTRIGGER LIGHT	1
401	029610-002	CONNECTOR FORK TERM 16-14 GA #8	5
402	029620-002	CONNECTOR BUTT 16-14 GA	5
403	029616-001	CONNECTOR FEMALE PUSH 16-14 GA	4
404	029601-013	CONN RING 16-14 GA #10	10
405	029454-099	WIRE 16 GA RED/WHT	1 FT
406	029825-002	DIODE	1

\* Not shown

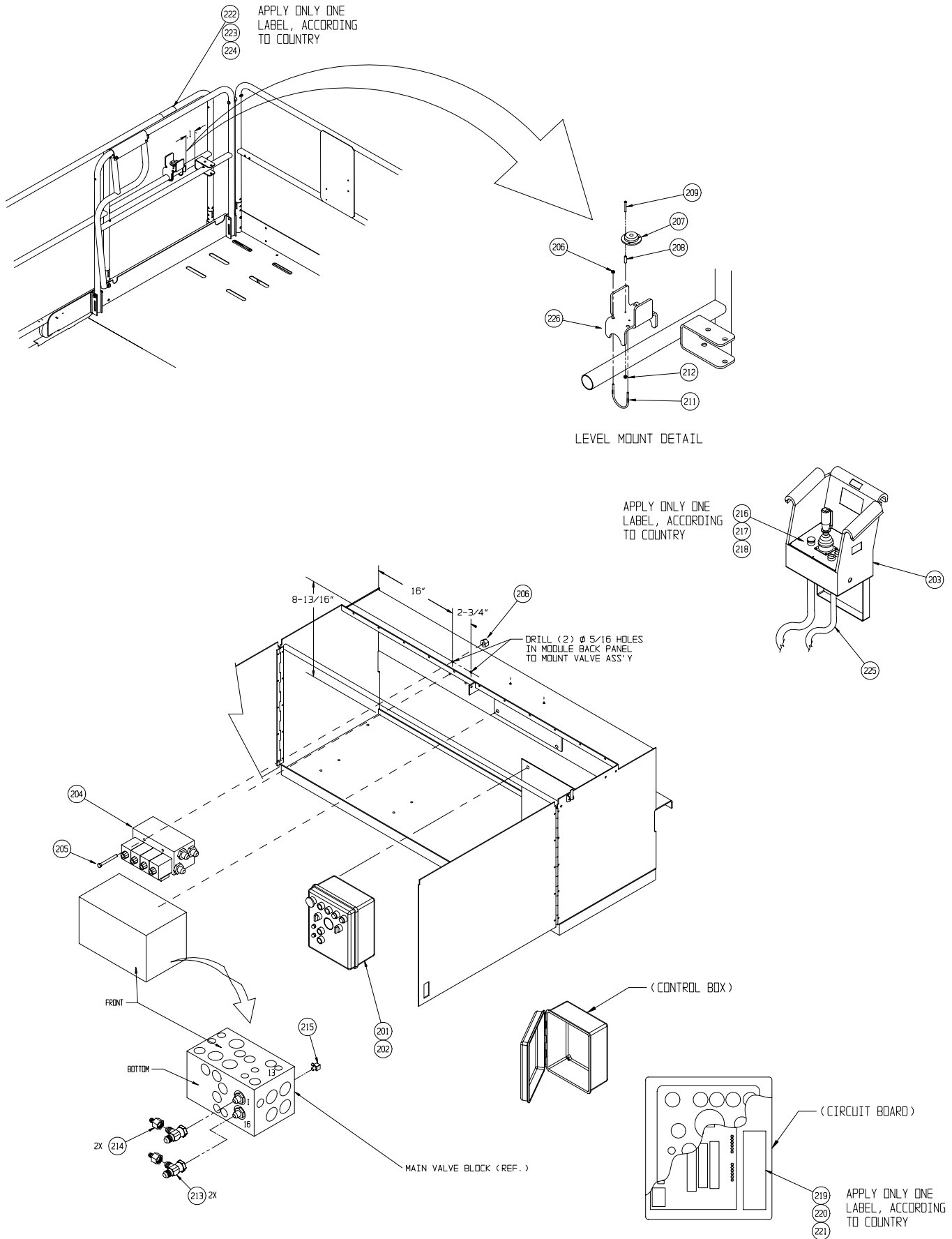
### Drawing 1 of 4

#### NOTES

1. UNLESS OTHERWISE SPECIFIED, ALL THREADED FASTENERS TO BE TORQUED PER UPRIGHT SPEC. NO. 105
2. UNLESS OTHERWISE SPECIFIED, ALL FITTINGS TO BE TORQUED PER UPRIGHT SPEC. NO. 106

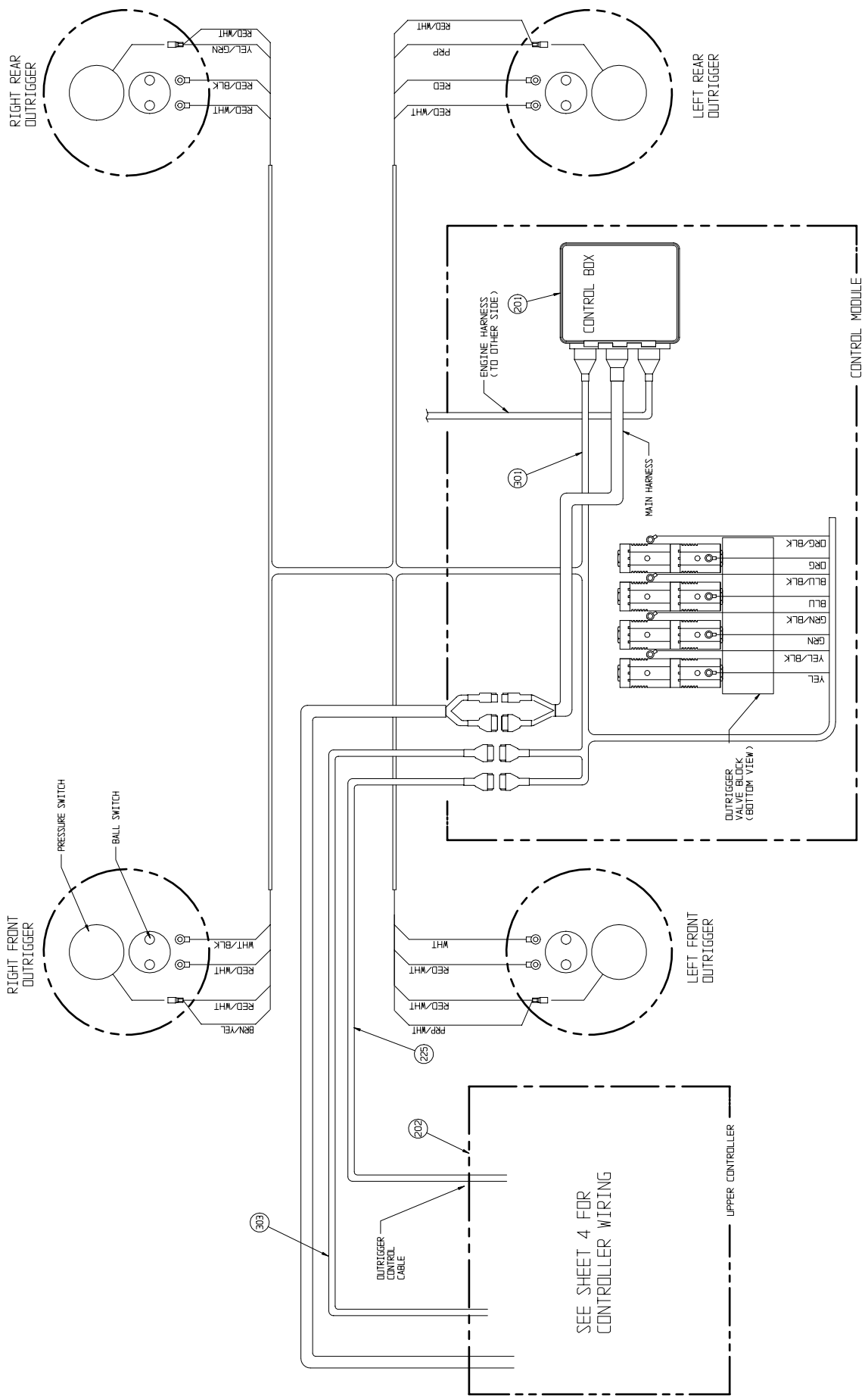


## Drawing 2 of 4

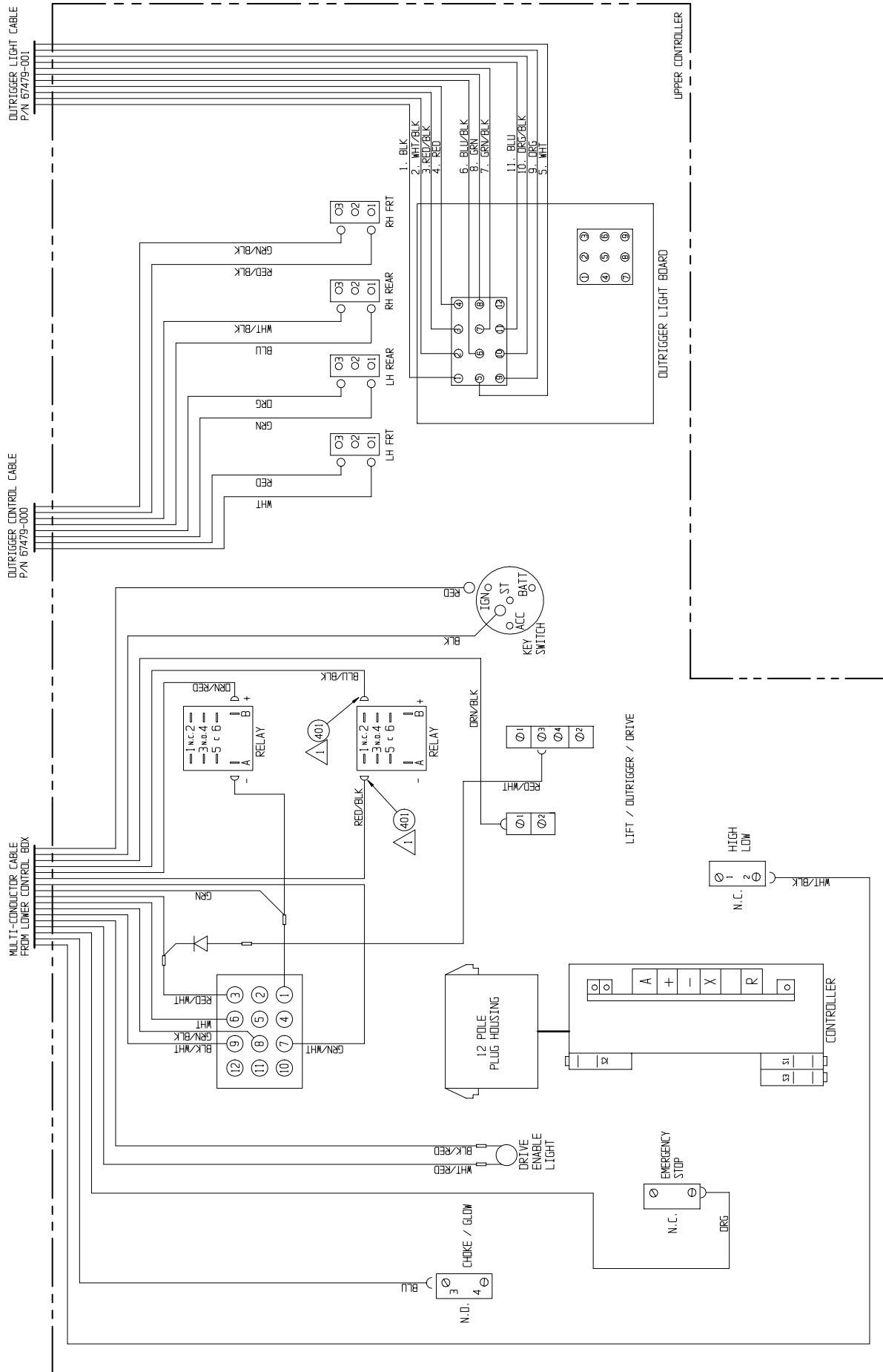


Drawing 3 of 4

NOTES: OUTRIGGER TOGGLE SWITCH ORIENTATION IS VIEWED WITH THE BOTTOM OF THE TOP COVER PLATE FACING UP.



**Drawing 4 of 4**



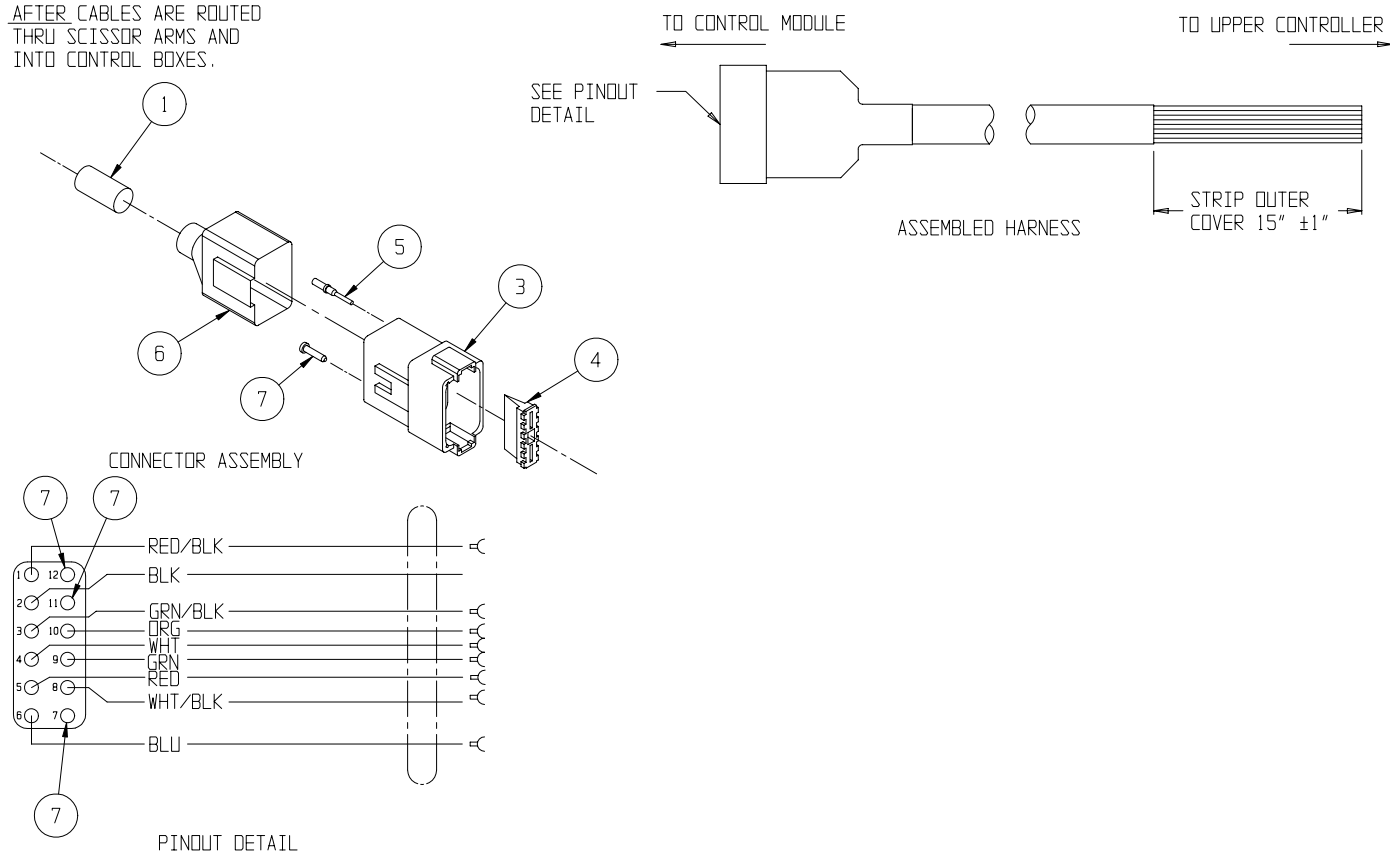
# Outrigger Control Cable Assembly – Option

## 067479-000

ITEM	PART NO.	PART/MATERIAL DESCRIPTION	QTY.
1	005469-099	CABLE, 16/9 CONDUCTOR	90 FT
2	029610-012	CONN FORK TERM 16-14 GA #8	8
3	068760-001	DT CONNECTOR, RECEPTACLE, # DT04-12P	1
4	068761-000	LOCKING WEDGE, RECEPTACLE, # W12P	1
5	015790-004	CONTACT PIN, 16-18 AWG	9
6	068908-001	BOOT ELECT. RECEPTACLE, # DT-12-P-BT	1
7	068764-000	PLUG-CONNECTOR SEAL	3

### NOTES: UNLESS OTHERWISE SPECIFIED

1. CRIMP ON PINS AND CONNECTORS ARE INSTALLED AFTER CABLES ARE ROUTED THRU SCISSOR ARMS AND INTO CONTROL BOXES.



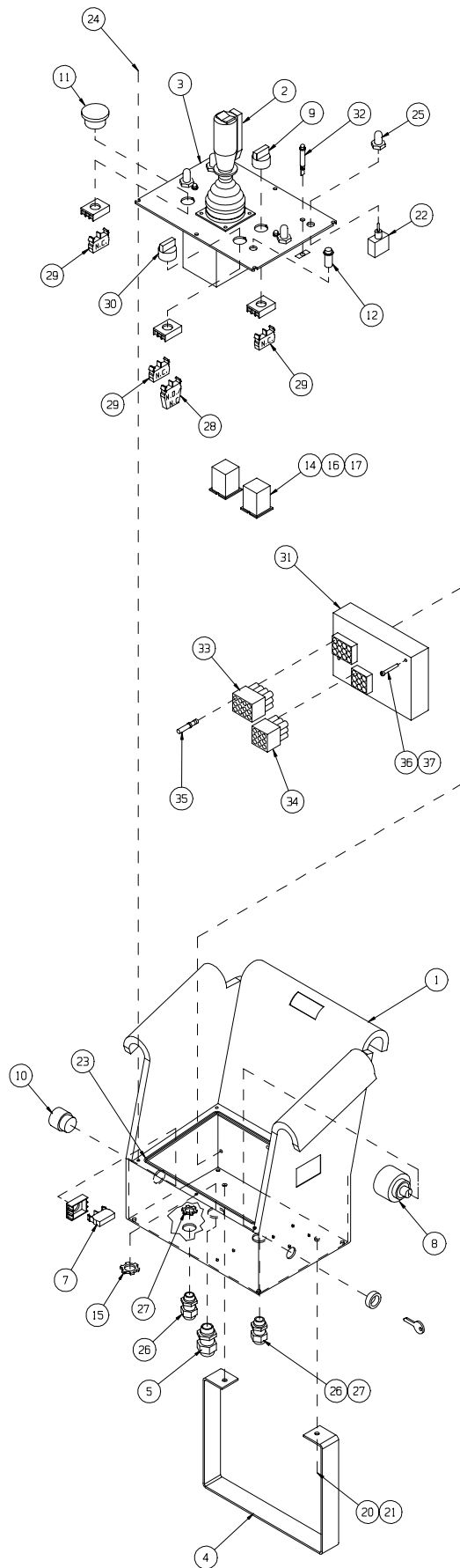
# Controller Assembly, Outrigger – Option

## 067528-013

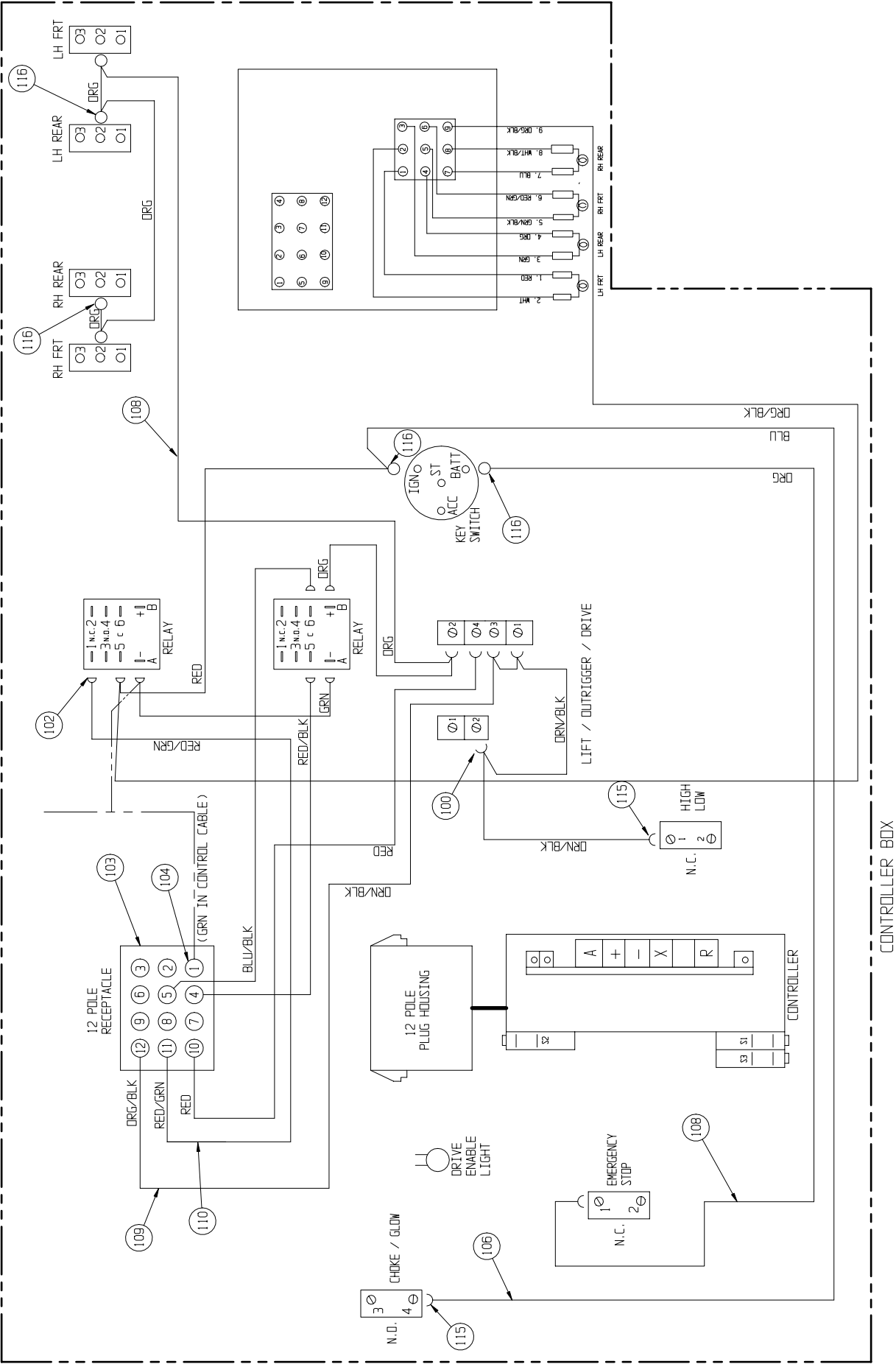
Drawing 1 of 2

ITEM	PART NO.	PART/MATERIAL DESCRIPTION	QTY.
1	067487-000	LX CONTROL BOX	1
2	067643-001	CONTROLLER, PROPORTIONAL 12V	1
*	015772-001	SWITCH, MICRO	3
*	066544-014	SWITCH, STEERING	2
*	063913-003	BOOT, STEERING SWITCH	1
*	063913-004	ROCKER ASSEMBLY	1
*	066544-010	HANDLE, 2 PIECE	1
*	066544-011	LEVER, INTERLOCK	1
*	066544-013	BOOT, CONTROL HANDLE SHAFT	1
*	066544-015	FLANGE, CONTROLLER MOUNTING	1
3	067486-001	COVER PLATE, CONTROLLER BOX	1
4	067483-000	CONTROLLER SUPPORT	1
5	029925-010	CABLE CONNECTOR, 3/4"	1
7	066805-010	CONTACT BLOCK, N.O.	1
8	064666-000	KEY SWITCH	1
9	066805-002	SELECTOR SWITCH	1
10	066805-018	PUSH BUTTON MOM. BLK.	1
11	066805-006	MUSHROOM BUTTON	1
12	068133-000	INDICATOR LIGHT	1
14	063951-001	RELAY	2
15	029939-003	CONDUIT NUT, 3/4"	1
16	011248-047	LOCKNUT, #6-32	2
17	011715-004	SCREW, #6-32 X 1/2	2
20	011252-006	SCREW, 1/4-20 UNC, HEX HD CAP X 3/4	2
21	011248-004	LOCKNUT, 1/4-20 UNC, HEX	2
22	012798-000	TOGGLE SWITCH SPOT-MOMENTARY	4
23	068889-099	WEATHERSTRIP 1/2 X 3/16 FOAM	3 FT.
24	010952-004	SCREW, BUTT. HD, TORX, 10-24 UNC X 1/2	6
25	029872-000	SWITCH BOOT	4
26	029925-000	CABLE CONNECTOR, 1/2, NPT	2
27	029939-002	NUT, LOCK, 1/2, NPT	2
28	066805-012	CONTACT BLOCK N.O. / N.C.	2
29	066805-011	CONTACT BLOCK N.C.	2
30	066805-019	SELECTOR SWITCH 3 POS.	1
31	108052-003	OUTRIGGER LIGHT BOARD-12V	1
32	102294-002	INDICATOR LIGHT W/CLIP	4
33	108139-001	RECEPTACLE, 12 POSITION, MOLEX	1
34	108139-000	RECEPTACLE, 9 POSITION, MOLEX	1
35	108139-010	PIN, 20-14 GA. MOLEX	20
36	011709-012	SCR, RD HD #10-24 UNC X 1-1/2	2
37	011248-003	LOCKNUT, HEX #10-24 UNC ESNA	2
100	029610-018	CONNECTOR FORK TERM 12-10 GA. #8	4
101	029620-002	CONNECTOR, BUTT. 16-14 GA.	8
102	029616-001	CONNECTOR FEMALE PUSH 16-14 GA. X .187	15
103	063956-003	PLUG, HOUSING	1
104	063956-010	PIN, CONTACT MALE	3
105	029452-099	WIRE 16 GA. BLACK	2 FT
106	029450-099	WIRE 16 GA. BLUE	3 FT
107	029451-099	WIRE 16 GA. WHITE	3 FT
108	029453-099	WIRE 16 GA. ORG	1 FT
109	029477-099	WIRE 16 GA. ORG/BLK	1 FT
110	029454-099	WIRE 16 GA. RED	2 FT
111	029457-099	WIRE 16 GA. GREEN	3 FT
112	029478-099	WIRE 16 GA. RED/GREEN	3 FT
113	05491-099	WIRE 16 GA. GREEN/BLACK	3 FT
114	029479-099	WIRE 16 GA. WHITE/BLACK	3 FT
115	029610-002	CONN FORK 14-16 GA #8	4
116	029601-013	CONN RING 14-16 GA #10	6

\* Not shown



Drawing 2 of 2



Lower Control Box - With Outriggers – Option  
067491-004

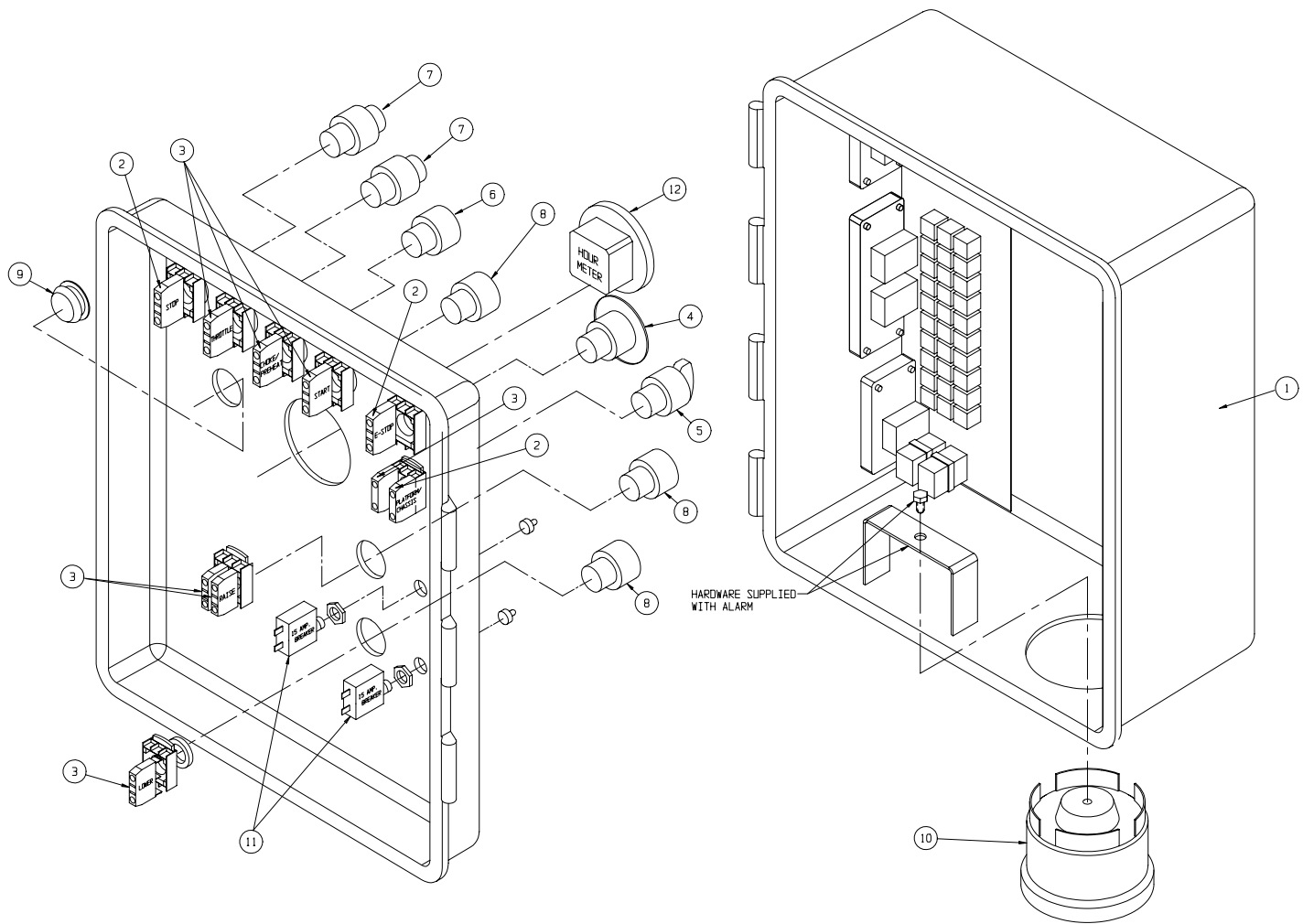
LOWER CONTROL BOX

ITEM	PART NO.	PART/MATERIAL DESCRIPTION	QTY.
1	069140-001	ENCLOSURE LX BOX	1
*	067491-012	PC BOARD	1
2	066805-011	CONTACT BLOCK N.C.	3
3	066805-010	CONTACT BLOCK N.O.	7
4	066805-006	EMERGENCY STOP	1
5	066805-002	2 POSITION SELECTOR SWITCH	1
6	066805-018	BLK STANDARD PUSH BUTTON	1
7	066805-017	RED STANDARD PUSH BUTTON	2
8	066805-016	GRN STANDARD PUSH BUTTON	3
9	064462-007	CAP PLUG, Ø 7/8	1
10	066807-001	ALARM, 107DB	1
11	029868-007	15 AMP-CIRCUIT BREAKER	2
12	015752-000	HOURL-METER	1

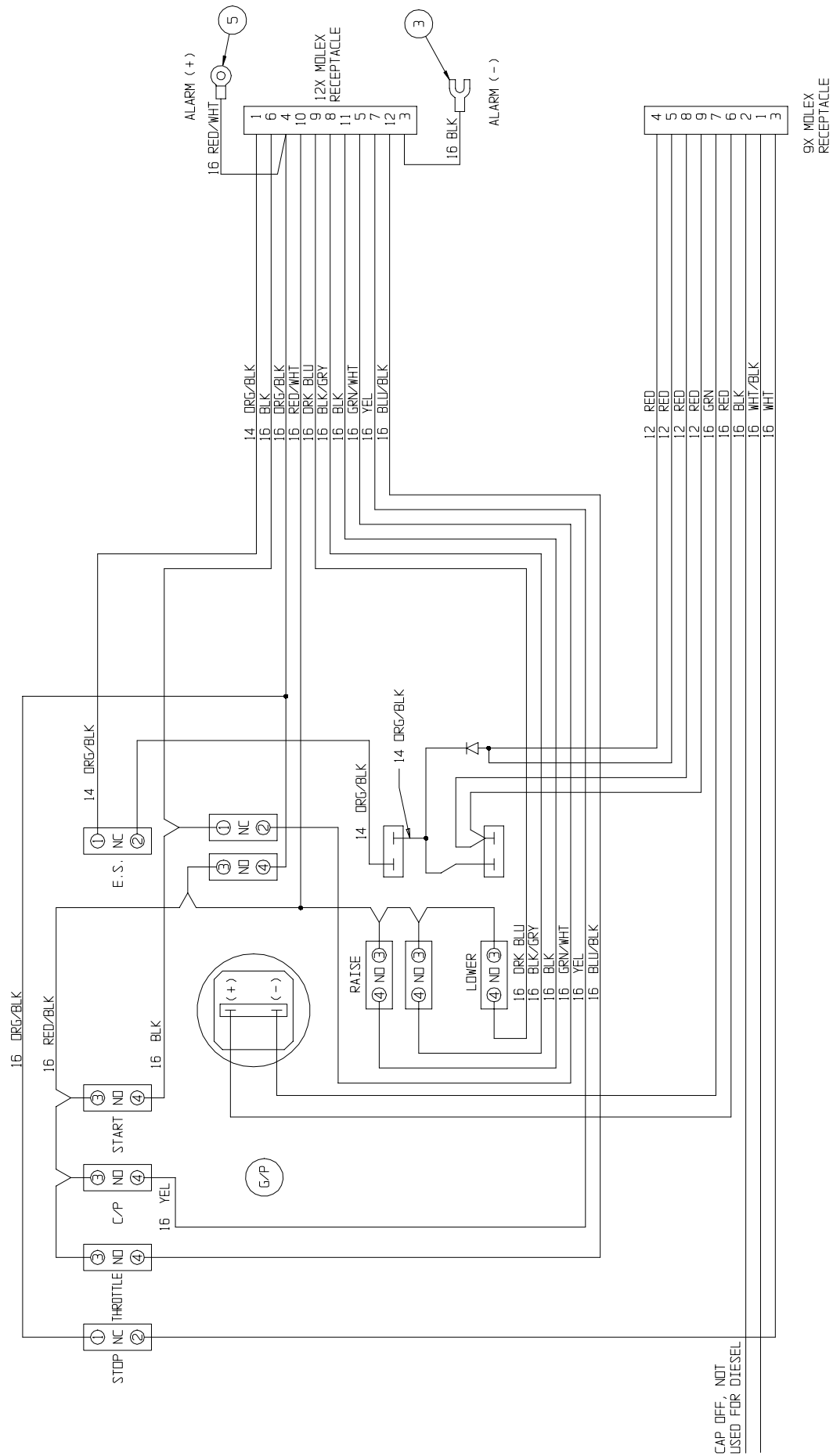
WIRING DIAGRAM

ITEM	PART NO.	PART/MATERIAL DESCRIPTION	QTY.
1	029616-002	CONN. FEMALE PUSH 16-14 .25 TAB	12
2	029616-003	CONN. FEMALE PUSH 10-12 .25 TAB	2
3	029610-002	CONN. FORK 16-14 #8	21
5	029601-012	CONN. RING TERM 16-14 #8	1
6	029470-099	WIRE, 12 AWG RED	5 FT
7	029457-099	WIRE, 16 AWG GREEN	1.5 FT
8	029454-099	WIRE, 16 AWG RED	1.5 FT
9	029452-099	WIRE, 16 AWG BLACK	5 FT
10	029479-099	WIRE, 16 AWG WHITE/BLACK	1.5 FT
11	029451-099	WIRE, 16 AWG WHITE	1.5 FT
12	029352-099	WIRE, 16 AWG RED/WHITE	2.5 FT
13	-	WIRE, 14 AWG ORANGE/BLACK	2.5 FT
14	029450-099	WIRE, 16 AWG DARK BLUE	1.5 FT
15	029477-099	WIRE, 16 AWG ORANGE/BLACK	3 FT
16	-	WIRE, 16 AWG BLACK/GREY	1.5 FT
17	029353-099	WIRE, 16 AWG GREEN/WHITE	1.5 FT
18	029456-099	WIRE, 16 AWG YELLOW	1.5 FT
19	029475-099	WIRE, 16 AWG BLUE/BLACK	1.5 FT

Drawing 1 of 2



## Drawing 2 of 2

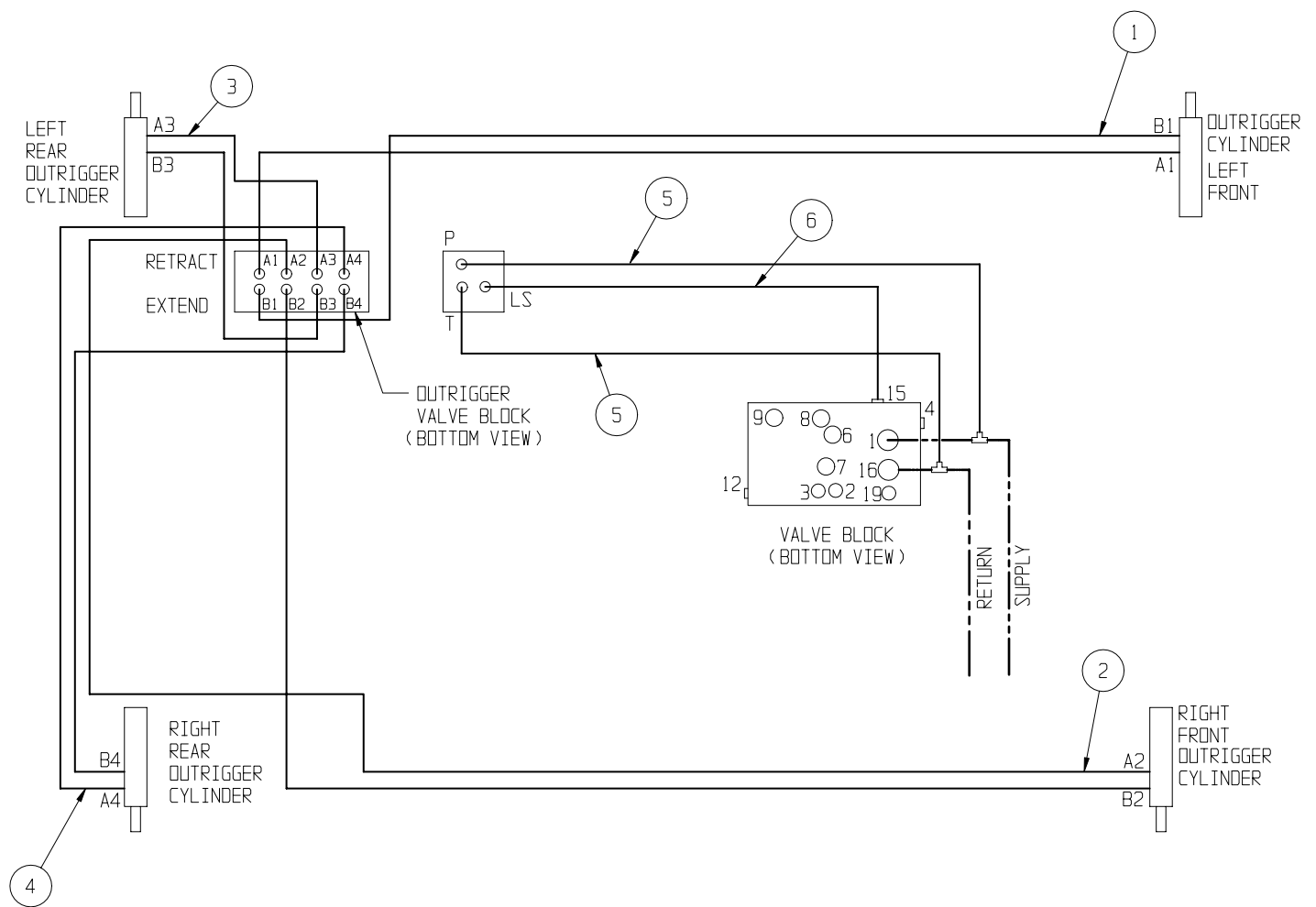


# Hose Installation, Outrigger – Option

## 067953-020

ITEM	PART NO.	DESCRIPTION	QTY
1	062192-088	1/4 HOSE ASSY X 88 6FJX-6FJX	2
2	062192-126	1/4 HOSE ASSY X 126 6FJX-6FJX	2
3	062192-035	1/4 HOSE ASSY X 137 6FJX-6FJX	2

ITEM	PART NO.	DESCRIPTION	QTY
4	062192-036	1/4 HOSE ASSY X 176 6FJX-6FJX	2
5	062192-032	1/4 HOSE ASSY X 24 6FJX-6FJX	2
6	065234-005	1/4 HOSE ASSY X 26 4FJX-4FJX	1

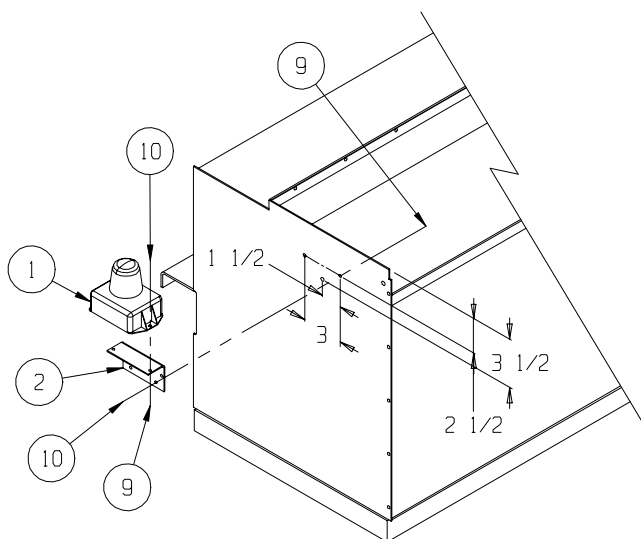
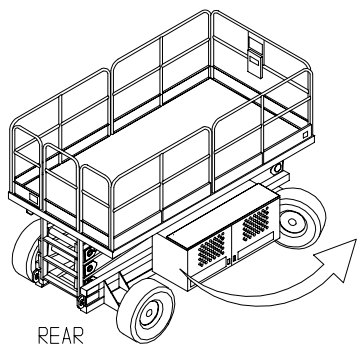
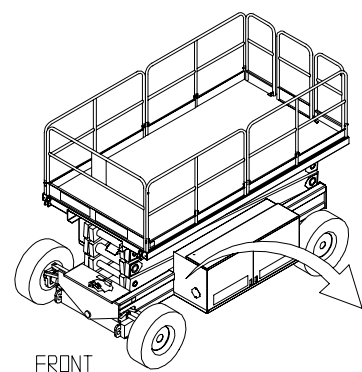
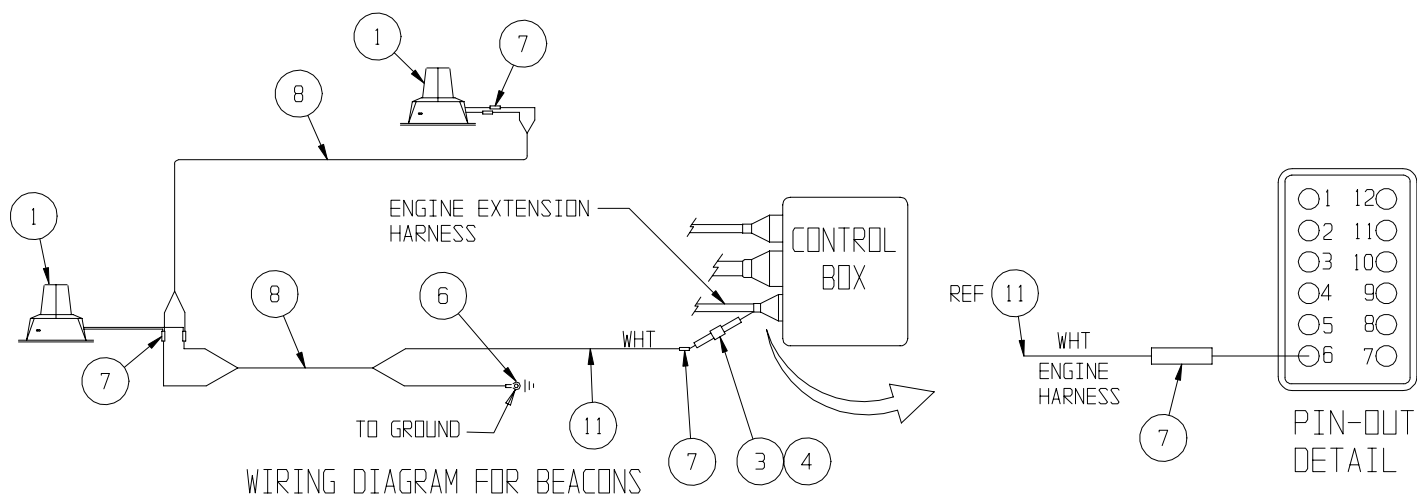


# Amber Beacon – Option

## 067947-010

ITEM	PART NO.	PART/MATERIAL DESCRIPTION	QTY.
1	012848-004	LIGHT 12-24 VOLT	2
2	063193-000	LIGHT BRACKET	2
3	029702-000	FUSE HOLDER	1
4	029704-002	FUSE 2 AMP	1
6	029601-013	CONN RING 16-14 #10	1

ITEM	PART NO.	PART/MATERIAL DESCRIPTION	QTY.
7	029620-002	CONN BUTT 16-14	6
8	029496-099	WIRE 16 AWG 2 COND	18 FT
9	011249-003	NUT HEX ESNA #10-32	4
10	011826-004	SCREW MACH.RD.HD. #10-32 X 1/2	4
11	029451-099	WIRE, 16 GA., WHITE	6 FT

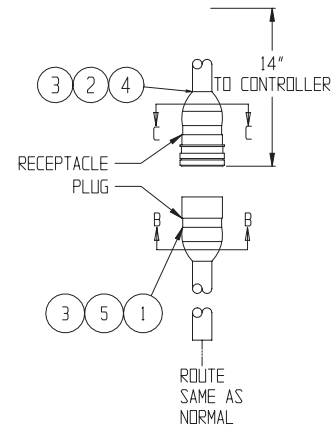


# Removable Controller – Option

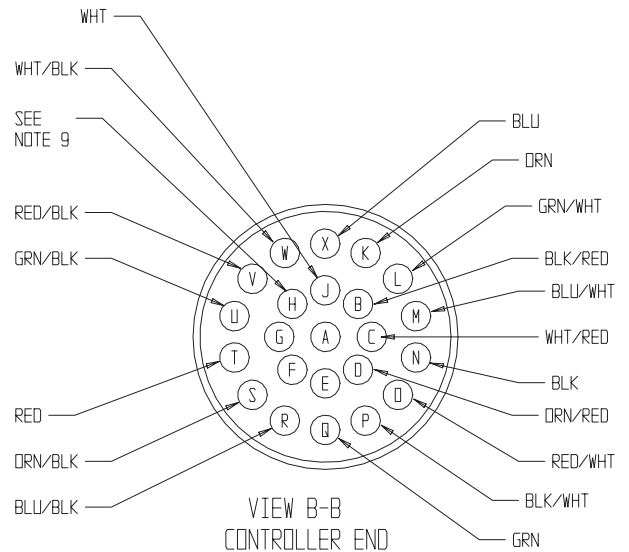
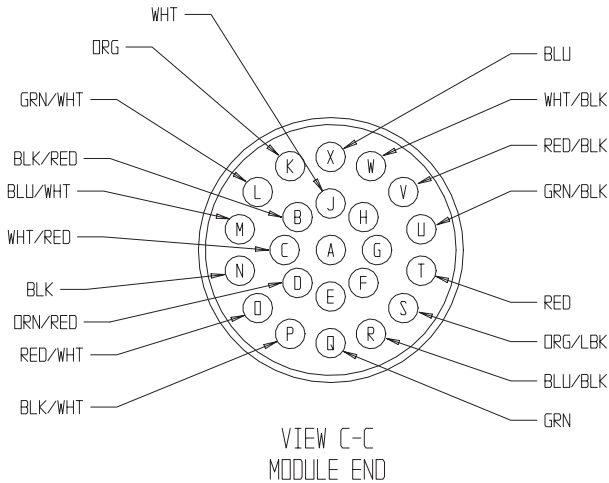
## 061898-011

ITEM	PART NO.	DESCRIPTION	QTY
1	065926-010	PLUG CONNECTOR	1
2	015790-004	PIN CONTACT	18
3	068764-000	SEALING PLUG	10
4	065926-015	RECEPTACLE CONNECTOR	1
5	015790-003	SOCKET CONTACT	18

1. CUT OFF CONTROL CABLE 14 INCHES BELOW STRAIN RELIEF ON CONTROLLER.
2. CUT OUTER CABEL COVER OF LINKAGE CABEL BACK APPROXIMATELY 1-1/2 INCH AND STRIP APPROXIMATELY 1/4 INCH OF EACH END.
3. CRIMP SOCKETS (ITEM 5) ONTO WIRE ENDS AND INSERT INTO PLUG. REF. VIEW B-B.
4. CUT OUTER CABEL COVER OF CONTROLLER END BACK APPROXIMATELY 1-1/2 INCH AND STRIP APPROXIMATELY 1/4 INCH OF EACH END.
5. SLIDE BOOT AND CLAMP ONTO CABLE.
6. CRIMP PINS (ITEM 2) ONTO WIRE ENDS AND INSERT INTO RECEPTACLE. REF. VIEW C-C.
7. CLAMP BOOT TO CONNECTOR.
8. CONNECT CONTROLLER AND TEST MACHINE FOR PROPER FUNCTION.
9. USE TERMINAL " H " FOR HORN OPTION OR IF AUX WIRE IS REQUIRED.



NOTE: USE DEUTSCH #HDT-48-00 HAND CRIMPER FOR WIRE TO PIN/SOCKET.



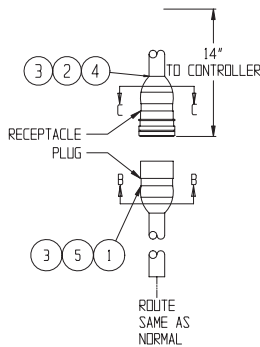
# Removable Controller, Outriggers – Option

## 061898-012

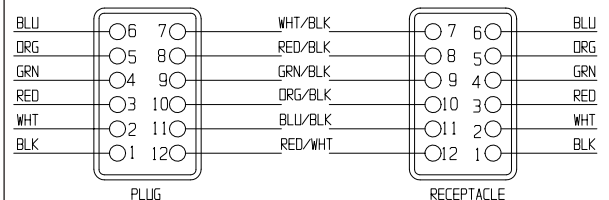
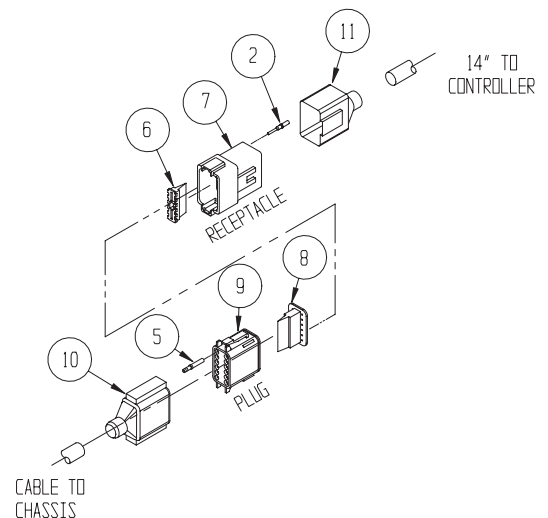
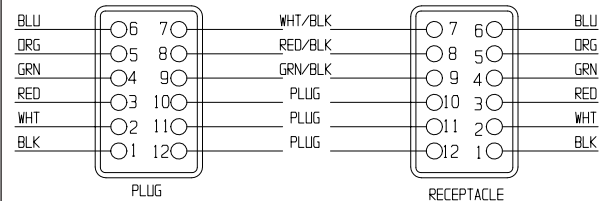
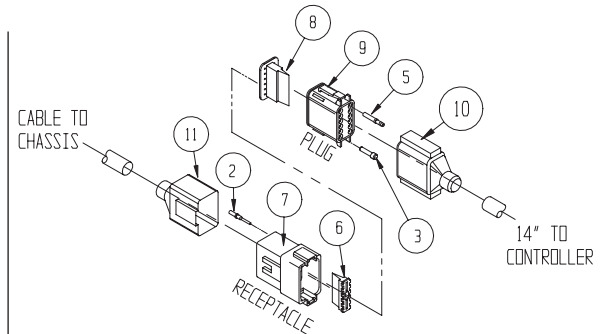
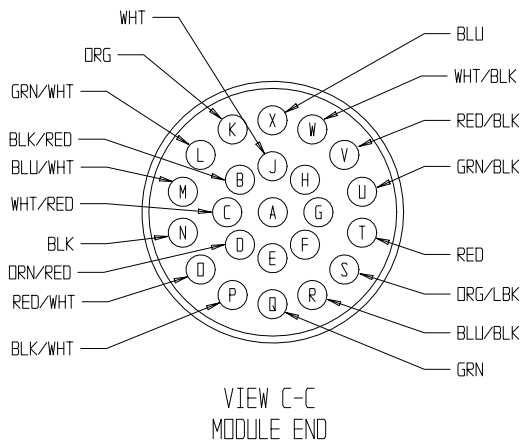
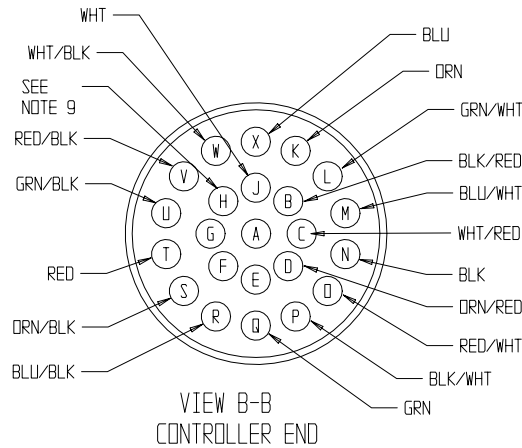
ITEM	PART NO.	DESCRIPTION	QTY
1	065926-010	PLUG CONNECTOR	1
2	015790-004	PIN CONTACT	39
3	068764-000	PLUG SEALING	16
4	065926-015	RECEPTACLE CONNECTOR	1
5	015790-003	SOCKET CONTACT	39
6	068761-000	LOCKING WEDGE-CONN	2

ITEM	PART NO.	DESCRIPTION	QTY
7	068760-001	CONNECTOR-RECEPTACLE	2
8	068761-001	LOCKING WEDGE -CONN	2
9	068760-000	PLUG - CONNECTOR	2
10	068908-000	BOOT ELECT. PLUG	2
11	068908-001	BOOT ELECT. RECEPTACLE	2

- CUT OFF CONTROL CABLE 14 INCHES BELOW STRAIN RELIEF ON CONTROLLER.
- CUT OUTER CABEL COVER OF LINKAGE CABEL BACK APPROXIMATELY 1-1/2 INCH AND STRIP APPROXIMATELY 1/4 INCH OF EACH END.
- CRIMP SOCKETS (ITEM 5) ONTO WIRE ENDS AND INSERT INTO PLUG. REF. VIEW B-B.
- CUT OUTER CABEL COVER OF CONTROLLER END BACK APPROXIMATELY 1-1/2 INCH AND STRIP APPROXIMATELY 1/4 INCH OF EACH END.
- SLIDE BOOT AND CLAMP ONTO CABLE.
- CRIMP PINS (ITEM 2) ONTO WIRE ENDS AND INSERT INTO RECEPTACLE. REF. VIEW C-C.
- CLAMP BOOT TO CONNECTOR.
- CONNECT CONTROLLER AND TEST MACHINE FOR PROPER FUNCTION.
- USE TERMINAL " H " FOR HORN OPTION OR IF AUX WIRE IS REQUIRED.



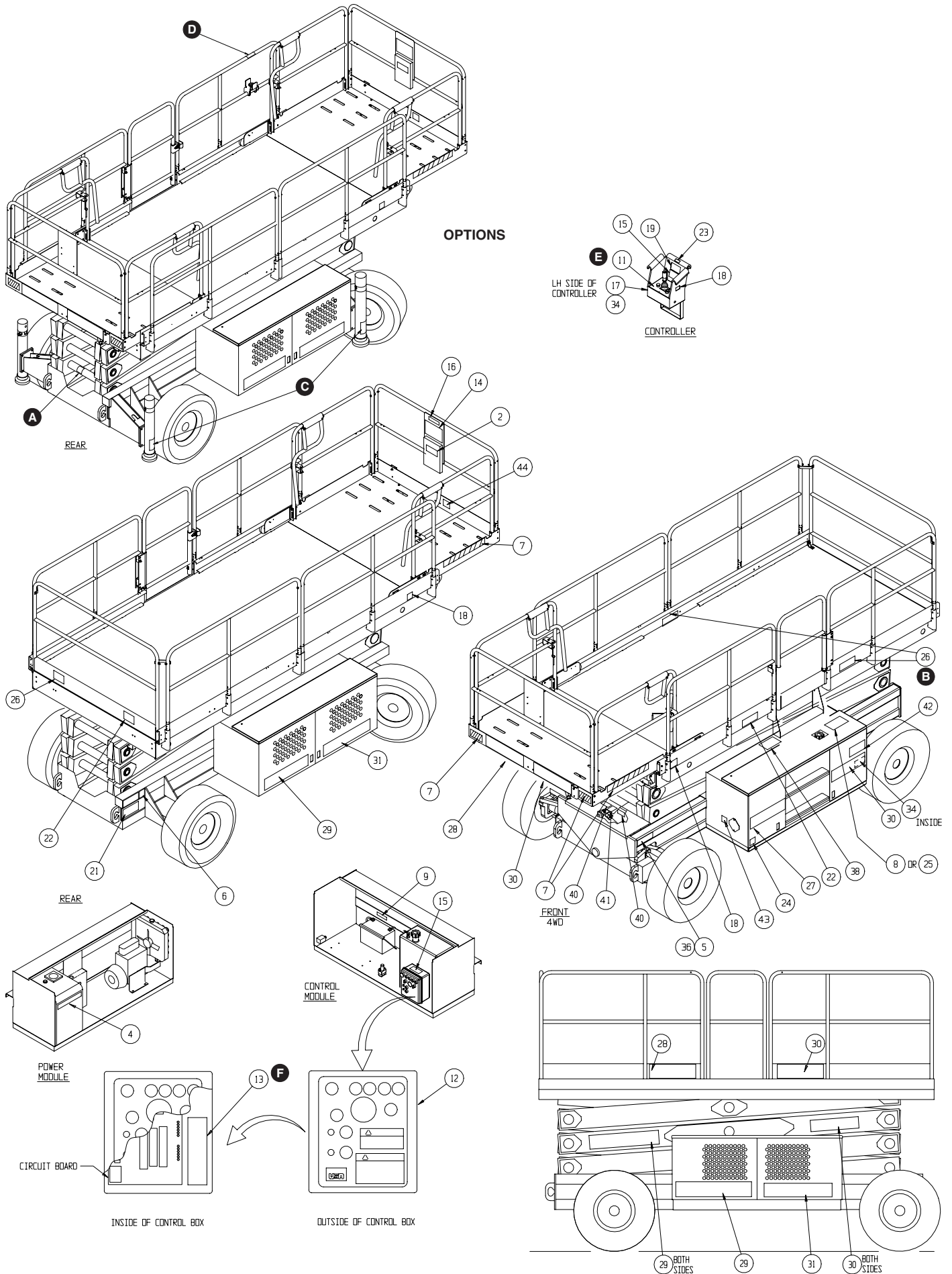
NOTE: USE DEUTSCH #HOT-48-00 HAND CRIMPER FOR WIRE TO PIN/SOCKET. USE #DT-RT1 TOOL TO REMOVE WEDGES IN PLUG & RECEPTACLE.



# Label Kit, LX31

## 108055-013/-313/-213

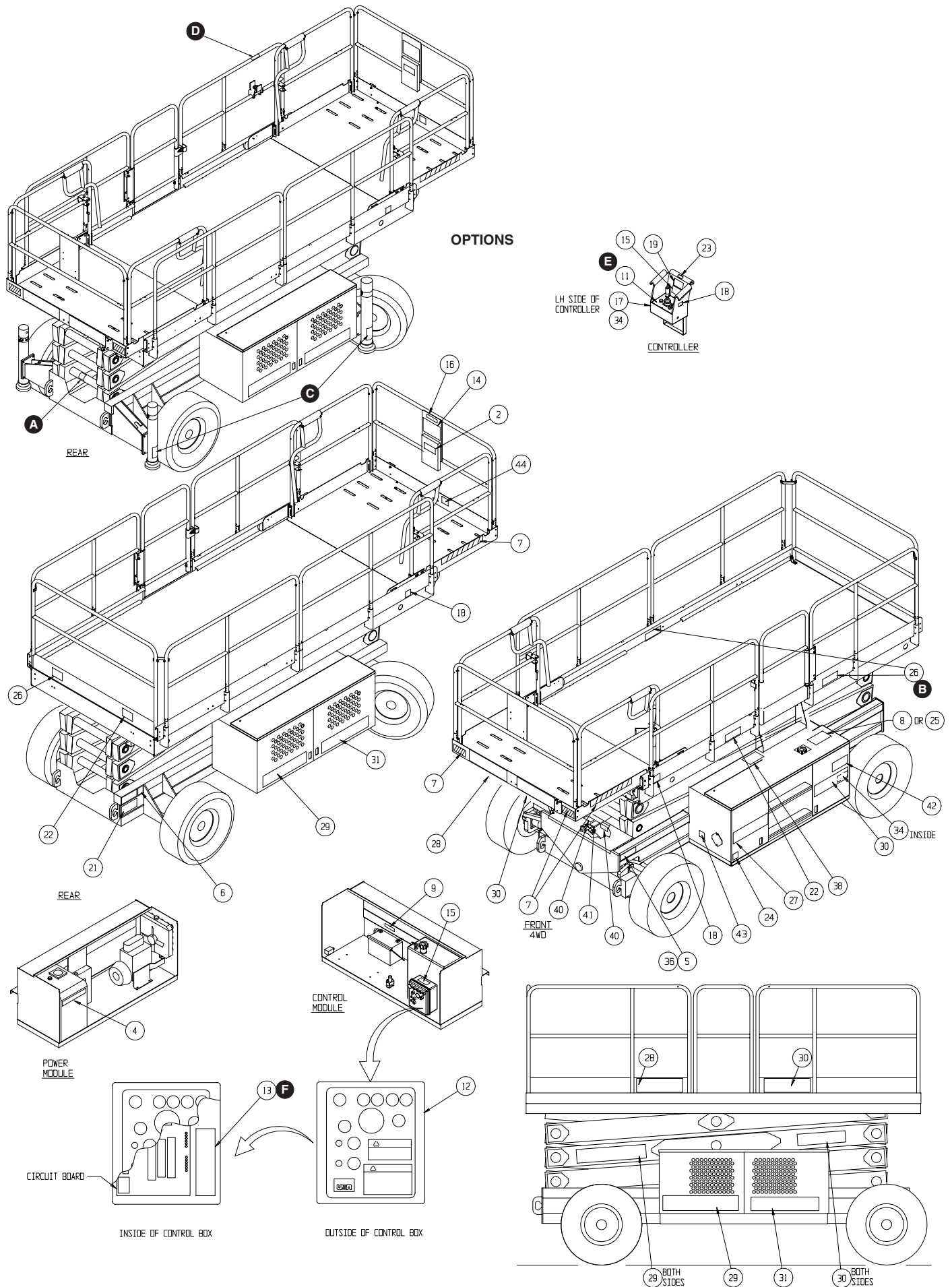
ENGLISH					
108055-013					
FRENCH					
108055-313					
GERMAN					
108055-213					
ITEM	PART NO.	PART NO.	PART NO.	PART/MATERIAL DESCRIPTION	QTY.
2	010076-001	010076-301	064913-000	LABEL-ATTENTION	1
4	060197-000	060197-000	060197-000	LABEL-HYD. FLUID	1
5	061205-003	061205-303	061205-203	NAME PLATE EURO	1
6	030768-002	030768-002	030768-002	LABEL-GS	1
7	108057-099	108057-099	108057-099	REFLECTIVE TAPE	5 FT
9	066552-000	066552-300	066552-200	LABEL-WARNING BATTERY	1
11	067642-011	067642-311	067642-211	LABEL-CONTROLLER	1
12	067481-001	067481-301	067481-201	LABEL-LOWER CONTROLS, DIESEL	1
13	067480-000	067480-300	067480-200	LABEL-LED CODES	1
14	067195-001	067195-301	067195-201	LABEL-OPERATOR INSTRUCTION	1
15	067478-000	067478-300	067478-200	LABEL-NOTICE	2
17	067822-000	067822-300	N/A	LABEL-GLOW PLUG	1
18	064444-000	064444-000	064444-000	LABEL-USA	3
21	063423-000	063423-300	063423-200	LABEL-BRAKE RELEASE	1
22	066562-000	066562-300	066562-201	LABEL-TIRE	2
25	027898-001	027898-001	027898-001	LABEL-DIESEL	1
26	066557-060	066557-310	064910-014	LABEL-MAX LOAD	3
27	061683-004	061683-004	061683-004	LABEL-UPRIGHT 2 1/2	1
28	061683-005	061683-005	061683-005	LABEL-UPRIGHT 4 1/2	2
29	061683-007	061683-007	061683-007	LABEL-UPRIGHT 5 1/2	3
30	067644-006	067644-006	067644-011	LABEL-4WD	5
31	067644-005	067644-005	067644-012	LABEL- 4WD	1
34	067822-001	067822-301	067822-201	LABEL ATTENTION GLOW PLUGS	2
36	065368-000	065368-000	065368-000	TACK	4
38	066561-001	066561-301	066561-201	LABEL, MAINT. BRACE	1
40	066558-001	066558-301	066558-201	LABEL, EMERG. LOWERING	2
41	066556-000	066556-300	066556-200	LABEL , CAUTION DESCEND PLTFM	1
42	068639-000	068639-300	066551-201	LABEL, POWER TO PLATFORM	1
44	066551-051	066551-301	N/A	LABEL DANGER MAX LOAD	1
OPTIONS – 17 FT DUAL DECK & OUTRIGGERS					
108055-013					
108055-313					
108055-213					
ITEM	PART NO.	PART NO.	PART NO.	PART/MATERIAL DESCRIPTION	QTY.
A	066556-000	066556-300	066556-200	LABEL-CAUTION	1
B	066557-063	066557-313	064910-016	LABEL-MAX LOAD 795 KG	2
C	066556-001	066556-301	066556-201	LABEL-CAUTION	4
D	066551-003	066551-303	066551-203	LABEL-DANGER TIPPING	1
E	067642-009	067642-309	067642-209	LABEL-CONTROLLER	1
F	067480-001	067480-301	067480-201	LED CODES	1



# Label Kit, LX41

## 108055-015/-315/-215

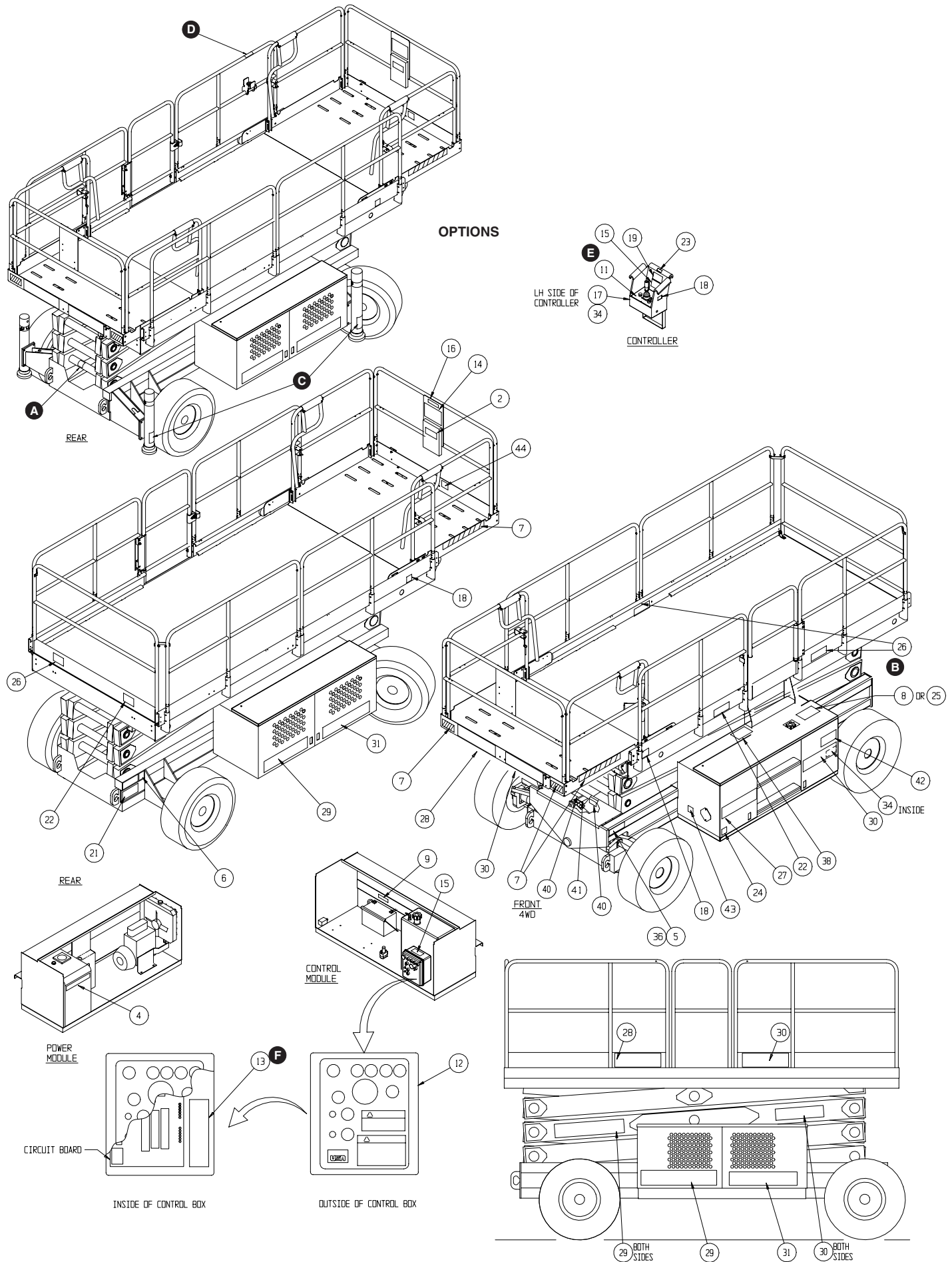
ENGLISH					
108055-015					
FRENCH					
108055-315					
GERMAN					
108055-215					
ITEM	PART NO.	PART NO.	PART NO.	PART/MATERIAL DESCRIPTION	QTY.
2	010076-001	010076-301	064913-000	LABEL-ATTENTION	1
4	060197-000	060197-000	060197-000	LABEL-HYD. FLUID	1
5	61205-003	061205-303	061205-203	NAME PLATE EURO	1
6	030768-002	030768-002	030768-002	LABEL-GS	1
7	108057-099	108057-099	108057-099	REFLECTIVE TAPE	5 FT
9	066552-000	066552-300	066552-200	LABEL-WARNING BATTERY	1
11	067642-011	067642-311	067642-211	LABEL-CONTROLLER	1
12	067481-001	067481-301	067481-201	LABEL-LOWER CONTROLS, DIESEL	1
13	067480-000	067480-300	067480-200	LABEL-LED CODES	1
14	067195-001	067195-301	067195-201	LABEL-OPERATOR INSTRUCTION	1
15	067478-000	067478-300	067478-200	LABEL-NOTICE	2
17	067822-000	067822-300	N/A	LABEL-GLOW PLUG	1
18	064444-000	064444-000	064444-000	LABEL-USA	3
21	063423-000	063423-300	063423-200	LABEL-BRAKE RELEASE	1
22	066562-000	066562-300	066562-201	LABEL-TIRE	2
25	027898-001	027898-001	027898-001	LABEL-DIESEL	1
26	066557-057	066557-307	064910-011	LABEL-MAX LOAD	3
27	061683-004	061683-004	061683-004	LABEL-UPRIGHT 2 1/2	1
28	061683-005	061683-005	061683-005	LABEL-UPRIGHT 4 1/2	2
29	061683-007	061683-007	061683-007	LABEL-UPRIGHT 5 1/2	3
30	067644-008	067644-008	067644-010	LABEL-4WD	5
31	067644-007	067644-007	067644-009	LABEL- 4WD	1
34	067822-001	067822-301	067822-201	LABEL ATTENTION GLOW PLUGS	1
36	065368-000	065368-000	065368-000	TACK	4
38	066561-001	066561-301	066561-201	LABEL, MAINT. BRACE	1
40	066558-001	066558-301	066558-201	LABEL, EMERG. LOWERING	2
41	066556-000	066556-300	066556-200	LABEL , CAUTION DESCEND PLTFM	1
42	068639-000	068639-300	066551-201	LABEL, POWER TO PLATFORM	1
44	066551-051	066551-301	N/A	LABEL DANGER MAX LOAD	1
OPTIONS – 17 FT DUAL DECK & OUTRIGGERS					
108055-013					
108055-313					
108055-213					
ITEM	PART NO.	PART NO.	PART NO.	PART/MATERIAL DESCRIPTION	QTY.
A	066556-000	066556-300	066556-200	LABEL-CAUTION	1
B	066557-056	066557-306	064910-010	LABEL-MAX LOAD 567 KG	2
C	066556-001	066556-301	066556-201	LABEL-CAUTION	4
D	066551-003	066551-303	066551-203	LABEL-DANGER TIPPING	1
E	067642-009	067642-309	067642-209	LABEL-CONTROLLER	1
F	067480-001	067480-301	067480-201	LED CODES	1



# Label Kit, LX50

## 108055-017/-317/-217

ENGLISH					
108055-017					
FRENCH					
108055-317					
GERMAN					
108055-217					
ITEM	PART NO.	PART NO.	PART NO.	PART/MATERIAL DESCRIPTION	QTY.
2	010076-001	010076-301	064913-000	LABEL-ATTENTION	1
4	060197-000	060197-000	064917-000	LABEL-HYD. FLUID	1
5	061205-003	061205-303	061205-203	NAME PLATE EURO	1
6	030768-002	030768-002	030768-002	LABEL-GS	1
7	108057-099	108057-099	108057-099	REFLECTIVE TAPE	5 FT
9	066552-000	066552-300	066552-200	LABEL-WARNING BATTERY	1
11	067642-011	067642-311	067642-211	LABEL-CONTROLLER	1
12	067481-001	067481-301	067481-201	LABEL-LOWER CONTROLS, DIESEL	1
13	067480-000	067480-300	067480-200	LABEL-LED CODES	1
14	067195-001	067195-301	067195-201	LABEL-OPERATOR INSTRUCTION	1
15	067478-000	067478-300	067478-200	LABEL-NOTICE	2
17	067822-000	067822-300	N/A	LABEL-GLOW PLUG	1
18	064444-000	064444-000	064444-000	LABEL-USA	3
21	063423-000	063423-300	063423-200	LABEL-BRAKE RELEASE	1
22	066562-003	066562-303	066562-203	LABEL-TIRE	2
25	027898-000	027898-001	027898-001	LABEL-DIESEL	1
26	066557-054	066557-317	064910-008	LABEL-MAX LOAD	3
27	061683-004	061683-004	061683-004	LABEL-UPRIGHT 2 1/2	1
28	061683-005	061683-005	061683-005	LABEL-UPRIGHT 4 1/2	2
29	061683-007	061683-007	061683-007	LABEL-UPRIGHT 5 1/2	3
30	067644-020	067644-020	067644-018	LABEL-4WD	5
31	067644-015	067644-015	067644-015	LABEL- 4WD	1
34	067822-001	067822-301	067822-201	LABEL ATTENTION GLOW PLUGS	2
36	065368-000	065368-000	065368-000	TACK	4
38	066561-001	066561-301	066561-201	LABEL, MAINT. BRACE	1
40	005223-908	005223-908	005223-908	LABEL, EMERG. LOWERING	2
41	066556-000	066556-300	066556-200	LABEL , CAUTION DESCEND PLTFM	1
42	068639-000	068639-300	066551-201	LABEL, POWER TO PLATFORM	1
44	066551-051	066551-301	N/A	LABEL DANGER MAX LOAD	1
OPTIONS – 17 FT DUAL DECK & OUTRIGGERS					
108055-017					
108055-317					
108055-217					
ITEM	PART NO.	PART NO.	PART NO.	PART/MATERIAL DESCRIPTION	QTY.
A	066556-000	066556-300	066556-200	LABEL-CAUTION	1
B	066557-050	066557-300	064910-006	LABEL-MAX LOAD 340 KG	2
C	066556-001	066556-301	066556-201	LABEL-CAUTION	4
D	066551-003	066551-303	066551-203	LABEL-DANGER TIPPING	1
E	067642-009	067642-309	067642-209	LABEL-CONTROLLER	1
F	067480-001	067480-301	067480-201	LED CODES	1



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**NOTES:**

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# **UpRight**

Call Toll Free in U.S.A.  
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108049-029

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