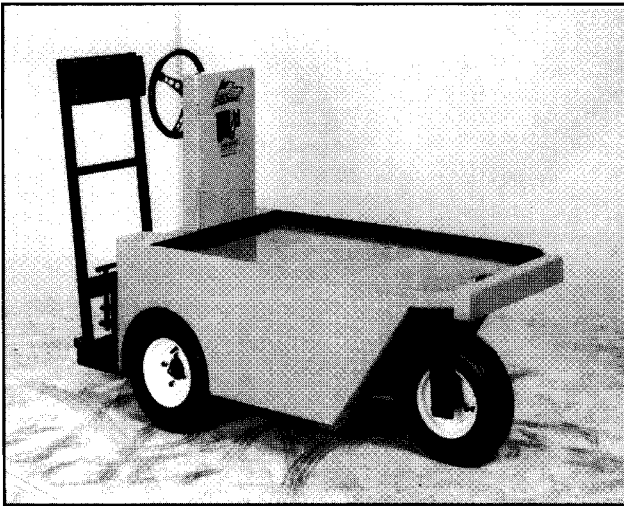
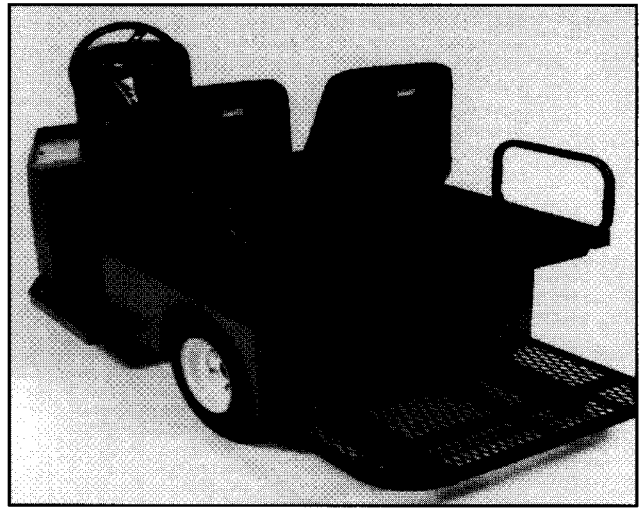


WESLEY PACK MULE LLC

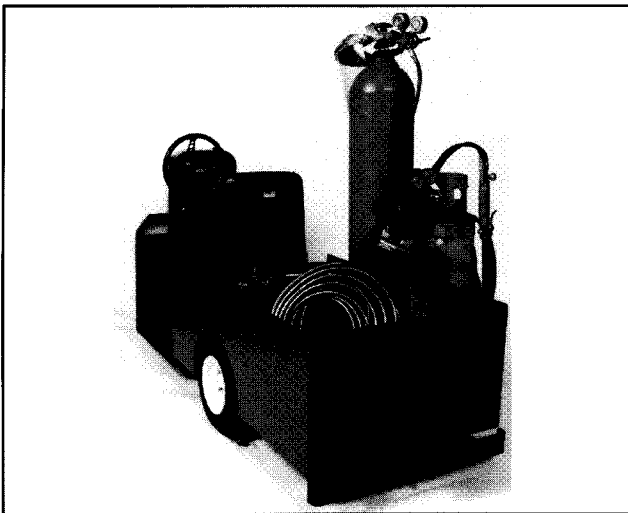
OWNER'S MANUAL



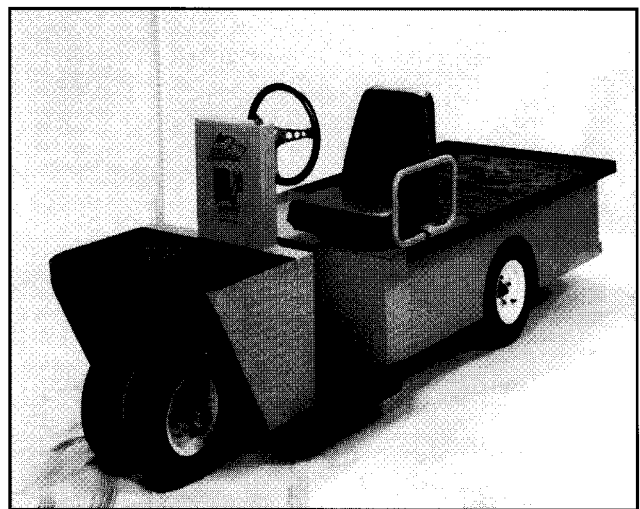
**SC-750
STOCK CHASER**



**PC-400
PERSONNEL CARRIER**



**MV-550
MAINTENANCE VEHICLE**



**CC-600
CARGO CARRIER**

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VEHICLE INCOMING INSPECTION AND CHECKLIST

BEFORE DELIVERY TRUCK LEAVES

Visually inspect the vehicle for any damage that may have occurred during shipping. Please note any damage on the carrier's bill immediately. Be sure to specify the nature of the damage.

AFTER DELIVERY

Check the vehicle for hidden damage and immediately notify the carrier if any such damage has occurred.

BEFORE OPERATING THE VEHICLE

1. Check all electrical connections in the instrument panel to ensure none have loosened during shipping.
2. Check tire pressure and check for loose wheel lug nuts.
3. Check all steering controls and the front steering gears to ensure that all are operating freely and are not damaged.
4. Check all battery connections for tightness and electrolyte levels in each battery using a hydrometer.

INCOMING CHECKLIST

The following checklist is provided for your convenience to properly inspect the electric vehicle for damage.

- | | YES | NO |
|--|--------------------------|--------------------------|
| 1. Have all accessories been received? | <input type="checkbox"/> | <input type="checkbox"/> |
| 2. Have all accessories been opened and inspected? | <input type="checkbox"/> | <input type="checkbox"/> |
| 3. Is the wiring visibly damaged? | <input type="checkbox"/> | <input type="checkbox"/> |
| 4. Are all electrical and battery connections tight? | <input type="checkbox"/> | <input type="checkbox"/> |
| 5. Do the batteries have proper electrolyte levels? | <input type="checkbox"/> | <input type="checkbox"/> |
| 6. Is the battery charger in good condition? | <input type="checkbox"/> | <input type="checkbox"/> |
| 7. Are the tires in good condition and properly inflated (55 psi)? | <input type="checkbox"/> | <input type="checkbox"/> |
| 8. Is the transmission fluid full? | <input type="checkbox"/> | <input type="checkbox"/> |
| 9. Are there dents or cracks on the vehicle? | <input type="checkbox"/> | <input type="checkbox"/> |
| 10. Are all controls operating freely and properly? | <input type="checkbox"/> | <input type="checkbox"/> |

SAFETY

The responsibility for safety lies with four main groups: manufacturers, owners, operators, and maintenance personnel.

Our responsibility as manufacturer is to ensure that the customer is acquainted with the capabilities of the vehicle. We will also make safety recommendations based on these characteristics. These recommendations appear on labels mounted on the vehicle.

The owner of the vehicle is responsible to instruct personnel in its safe operation. He/she must explain the vehicle characteristics and the action of the controls. It is Wesley Pack Mule LLC's recommendation that the owner first become familiar with the conditions of the location of use or place of operation in order to assess their effect on safe operation.

The owner, or such appropriate personnel designated by the owner (head of engineering, safety director, director of training, or head of maintenance) should familiarize himself or herself with the provisions, requirements, standards, and recommendations of

- 1) ANSI/ASME B56.8-1993, Safety Standard for Personnel and Burden Carriers.
American National Standards Institute, Inc.
1430 Broadway
New York, New York 10018
- 2) ANSI/NFPA #505, Powered Industrial Trucks.
National Fire Protection Association
Batterymarch Park
Quincy, MA 02269
- 3) 29 CFR § 1910.178, Powered Industrial Trucks.
Superintendent of Documents
U. S. Government Printing Office
Washington, DC 20402

The owner shall survey the specific operating conditions and establish and train its operators to comply with additional, specific safety practices.

The operators of the Wesley Pack Mule LLC should be selected on the basis of visual, auditory, physical and mental abilities to operate the vehicle in a safe manner. Such operators must observe safe driving rules, and be aware of the vehicle operating characteristics. He/she must also be aware of the manufacturer's safety recommendations, and should be trained to adhere strictly to the safety guidelines. The training of the operators should be done in accordance to a survey of the projected operating conditions and environment. Maintenance personnel must be aware that their activities affect the safe operation of the vehicle. Also, the service and maintenance processes involve hazards which must be taken into account.

All vehicles described in this manual are designed for use on smooth surfaces in and around industrial plants, warehouses, nurseries, and greenhouses. These vehicles are not designed for use on public highways.

SAFETY GUIDELINES

- Do not operate your Wesley Pack Mule without reading this manual.
- Do not start the vehicle without prechecking the brakes.
- Do not mount or dismount the vehicle with the key in the ignition.
- If the accelerator requires excessive pressure, do not drive.
- Do not park or operate near flammable objects or in flammable or hazardous environments.
- Use only necessary power.
- Keep both hands on the steering wheel while operating the vehicle.
- Accelerate and decelerate slowly.
- Drive slowly and carefully when turning or cornering
- Avoid sharp turns, especially on an incline or at high speeds.
- Take special caution when driving in reverse.
- Keep arms and legs within the operator's platform while driving.
- Do not use if not operating properly.
- Do not use vehicle to push objects.
- Perform all maintenance procedures at the recommended intervals.
- Do not operate in sand, gravel, or snow.
- Do not exceed, under any conditions, the maximum speed the vehicle can obtain on level ground.
- Do not use the accelerator to hold the vehicle at a standstill on an incline.
- Do not allow the tires to lose contact with the ground.
- Do not overload the vehicle above its rated capacity.
- Make sure that the area of operation is free and clear of trash, litter and other foreign objects.
- Proceed around low overhangs with caution. Make sure that there is enough clearance for the head of the operator and/or the ladder/backrest to clear easily.
- Never change direction abruptly.
- Adjust speed to surface conditions.
- Whenever going up an incline, drive directly up its face, never across.
- Position loads carefully and evenly.
- Remain in the operator's position while operating the vehicle.
- Never exceed occupant capacity.

OPERATING SPECIFICATIONS

<u>VEHICLE MODEL</u>	<u>PC-400</u>	<u>MV-550</u>	<u>CC-600</u>	<u>SC-750</u>
DIMENSIONS				
Length:	86.5"	88.5"	105"	79"
Width:	38"	29.5"	36"	29.5"
Height:	44"	44"	43"	49"
WEIGHT	915 lbs. (w/batteries)	950 lbs. (w/batteries)	956 lbs. (w/batteries)	865 lbs. (w/batteries)
GROUND DRIVE	Direct drive transaxle	Direct drive transaxle	Direct drive transaxle	Direct drive transaxle
MOTOR				
Input Voltage	24 V., DC	24 V., DC	24 V., DC	24 V., DC
H.P. rating	2	2	2	2
Max. RPM rating	2400	2400	2400	2400
STEERING				
Max. turning	75 degrees	75 degrees	75 degrees	75 degrees
Min. circle	6 feet	6-1/2 feet	6-1/2 feet	5 feet
Int. aisle clearance	70 inches	64 inches	79 inches	58 inches
CONTROLS				
Power operation	Ignition key	Ignition key	Ignition key	Ignition key
Steering operation	Steering wheel	Steering wheel	Steering wheel	Steering wheel
Forward/Reverse	Toggle switch	Toggle switch	Toggle switch	Toggle switch
Speed Control	Acceleration	Acceleration	Acceleration	Acceleration
BRAKES				
Service brake system	Band brake	Band brake	Band brake	Band brake
Parking brake system	Deadman brake on accelerator	Deadman brake on accelerator	Deadman brake on accelerator	Deadman brake on accelerator
CAPACITY				
Vehicle Occupants	up to 4 Persons	1	1	1
Carry on back deck	N/A	800	800	N/A
Carry on front deck	200	200	200	950
Tow	N/A	2000 lbs.	2000 lbs.	2000 lbs.
SPEED	10 MPH	10 MPH	10 MPH	10 MPH
CHARGER				
Input Voltage	117 A.C.	117 A.C.	117 A.C.	117 A.C.
Output Rating	25 Amps.	25 Amps.	25 Amps.	25 Amps.
Output Voltage	24 D.C.	24 D.C.	24 D.C.	24 D.C.
TIRES/WHEELS				
Tire Size	4.80-8"	4.80-8"	4.80-8"	4.80-8"
Tire Pressure	55 psi.	55 psi.	55 psi.	55 psi.
Number	4	4	4	3
BODY				
Frame	14 GA diamond plate on surface	14 GA diamond plate on surface	14 GA diamond plate on surface	14 GA diamond plate on surface
Color	Safety yellow	Safety yellow	Safety yellow	Safety yellow
SAFETY	Padded seat	Padded seat	Padded seat/ hip rest	Padded hip rest
OPTIONAL EQUIPMENT	Revolving safety light, back up alarm, front and rear lights	Revolving safety light, back up alarm, front and rear lights	Revolving safety light, back up alarm, front and rear lights	Revolving safety light, back up alarm, front and rear lights

This is a copy of the safety instructions affixed to your vehicle. Do not remove the label from the vehicle. If your vehicle does not have these instructions firmly affixed, please contact Wesley Pack Mule LLC and they will be sent to you immediately.

CAUTION AND SAFETY INSTRUCTIONS

CHARGER AND BATTERY

Deck/lid must be opened and secured while batteries are charging.
Remember that battery and ignition cables carry high-voltage currents. Use caution to avoid a short circuit.
Never connect or disconnect either the battery or any other component while the power is on.
When connecting the battery cables, pay particular attention to their polarities. Never connect the positive cable to a negative terminal or a negative cable to a positive terminal.
Keep battery securely mounted.
Keep battery top clean and dry.
Keep terminals and connections clean, tight, and coated with petroleum jelly or terminal grease.
Rinse off any spilled electrolyte immediately with solution of water and baking soda.
If vehicle is not being used for an extended time, disconnect cables.
Read instructions from battery manufacturer for your own safety.

FUSES

Never install a wire-instead of the proper fuse-even for a temporary fix. It may cause extensive damage and possibly a fire.
Do not use a screwdriver or any other metal object to remove fuses, as an electrical short circuit may occur and damage the system.
Do not modify or tamper with any part of the operating or speed control system. All inspections and adjustments must be made by a qualified technician.

WHEELS

When replacing wheels for any reason, care should be taken to insure that the wheels are equivalent to those removed, in diameter, rim width and off-set.
An incorrectly sized wheel may adversely affect wheel and bearing life, braking and stopping ability, handling characteristics, ground clearance, body-to-tire clearance.

GENERAL MECHANICAL

Please open and secure deck/lid completely before checking any portion of drive train, batteries, etc.
Please chock wheels when appropriate.
Before placing deck/lid back in normal position, make sure battery charging plug has been disconnected from receptacle; battery charging wire must be securely tied up; all tools have been removed.

OPERATING INSTRUCTIONS

The following are step by step operating procedures:

I. DISCONNECT BATTERY CHARGER

Remove the charger cord from the 110 Volt power outlet. Disconnect charger cord from the female receptacle in the lower right hand area of the operator's station. Carefully wrap charger cord and store in its box attached to the instrument panel. Ensure that the area is clear of all obstructions.

II. TURN KEY SWITCH ON

Insert the key into the ignition switch located on the instrument panel. Turn completely to the right. The indicator light located immediately to the left of the ignition switch should come on. If not, do not attempt to operate.

III. MOVE DIRECTION SWITCH TO THE DESIRED SETTING

Before operation, the toggle switch, which is located towards the left of the operator's panel, should be set to the middle or neutral position. The different settings are shown on a metal plate located immediately to the left of the toggle switch. For the forward position, move the toggle switch upwards. The reverse position is the toggle switch set downwards.

IV. PRESS ACCELERATOR

Depress the accelerator with the right foot. The speed of the vehicle will be proportional to the amount that the accelerator pedal is depressed. The controller (EV-E030) regulates the speed, acting as an automatic transmission.

V. STOPPING

In order to stop, simply remove foot from the accelerator pedal. The brake automatically engages upon release of accelerator pedal.

WARNING: Be sure that the vehicle is completely stopped before changing direction. An attempt to rapidly change direction may cause vehicle cargo to shift resulting in possible operator injury. Vehicle damage caused by not operating a vehicle in accordance to the instructions of this manual is not covered by manufacturer's warranty.

MAINTENANCE

Safe and trouble-free operation of a Wesley Pack Mule electric vehicle is highly dependent upon the frequent and proper execution of maintenance. One should follow these guidelines more frequently if the vehicle is used in multi-work shifts or in harsh environmental conditions.

WARNING: Never service your vehicle without disconnecting battery ground cable. Failure to do so may result in possible injury and/or vehicle damage.

The following chart has been provided to serve as a guide for the service of your Wesley Pack Mule electric vehicle.

Maintenance Service	Daily	Weekly	Monthly	3 to 6 Months	Yearly
Check all gauges	X				
Check horn	X				
Check brake linkage			X		
Check band brake and other components for wear and deterioration			X		
Check battery charge by voltmeter on the instrument panel (reading should be 24 volts).	X				
Check all battery cells with a hydrometer* and add distilled water if necessary.		X			
Check the oil level in the transaxle and fill if necessary. Heavy Duty 90W Gear Oil					X
Clean, inspect, re-pack and reseal front axle and fork bearings.					X
Grease steering chain and sprockets			X		

- * A hydrometer is the device used to determine if a battery is properly charged. It measures the specific gravity of the electrolyte (liquid) in the battery. The electrolyte is heavier (about 1260 in specific gravity) when fully charged, and lighter (about 1100) when fully discharged.

Maintenance Service	Daily	Weekly	Monthly	3 to 6 Months	Yearly
Check tire pressure with tires cold. The recommended tire pressure is 55 psi.**		X			
Grease fork pivot fittings and gears with grease gun (automotive grease). Inspect steering operations, gear housing and linkage		X		X	
Oil all moving parts that do not have fittings with an oiler or brush (automotive oil).			X		
Plug in charger when vehicle is not in service; also vehicle should be left on charge overnight when possible.	X				
Tighten any loose battery terminals and oil with a brush (automotive oil)			X		
Tighten bolts and nuts			X		
Wash batteries with baking soda and water (protect charger from direct spray). Dry batteries thoroughly before returning to service.			X		

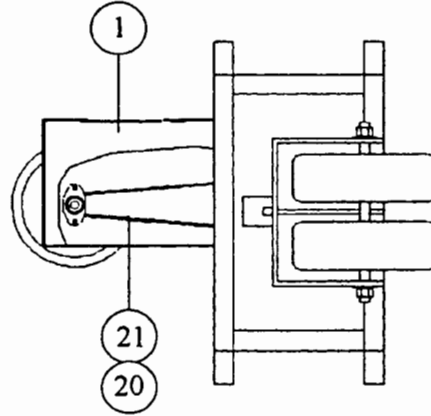
NOTE: In freezing weather, recharge after adding distilled water to make sure that the water mixes properly with the fluid. Otherwise the water may freeze and damage the battery.

CAUTION: Do not expose the battery to flames or electrical sparks. Hydrogen gas generated by the battery action is explosive. Do not allow battery fluid to come into contact with skin, eyes, fabric, or painted surfaces. If it contacts eyes or skin, immediately flush with water for 15 minutes and seek medical attention.

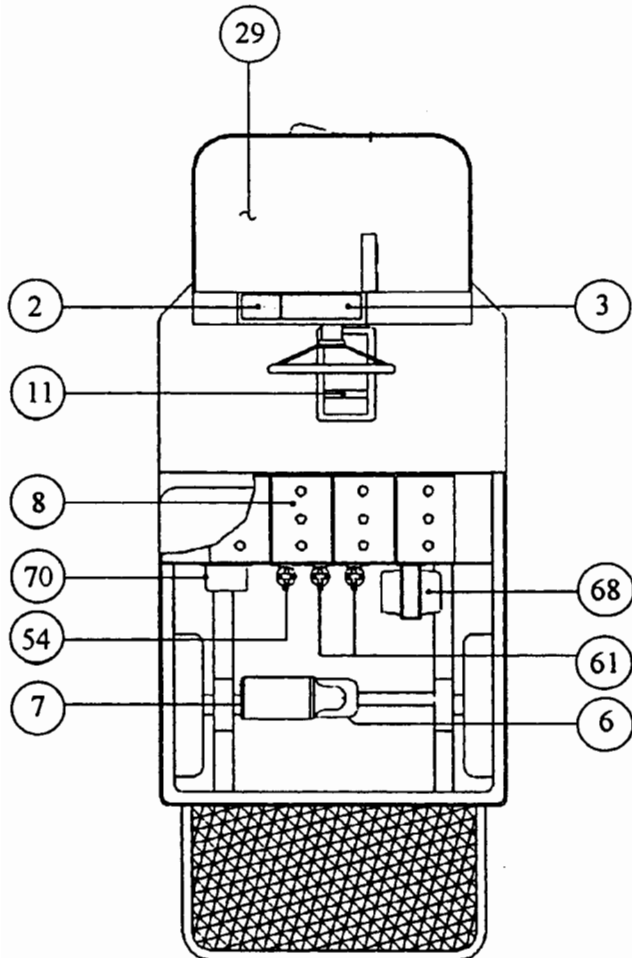
** Overinflation or underinflation can reduce tire life, adversely affect vehicle handling and lead to sudden tire failure. This could result in an unexpected loss of vehicle control.

PC-400 PERSONNEL CARRIER

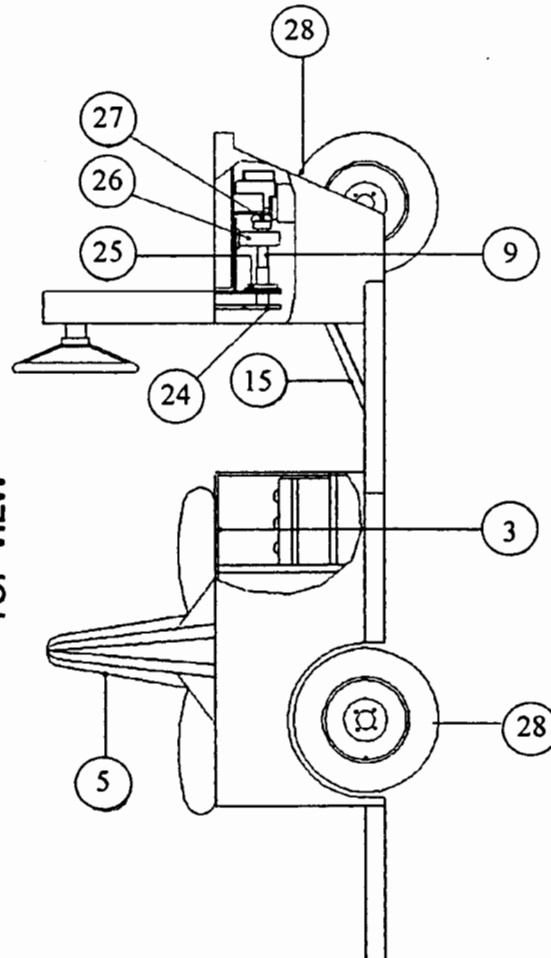
DWG.#	DESCRIPTION	P/N	QTY
1	PACK MULE DECAL	EV-A001	1
2	PACK MULE I.D. PLATE	EV-A002	1
3	CAUTION STICKER	EV-A003	2
5	BUCKET SEAT	EV-A005	1, 2 or 4
6	TRANSAXLE	EV-D007	1
7	2 HP. MOTOR	EV-D008	1
8	BATTERY	EV-E036	4
9	STEERING ROD, PC-400	EV-S026	1
11	TREADLE ROD	EV-F022	1
15	ACCELERATOR PEDAL	EV-F034	1
20	DRIVE CHAIN #40	EV-S001	1
21	MASTER LINK	EV-S002	1
24	LOWER STEERING SPROCKET	EV-S029	1
25	STEER ROD BEARING	EV-S011	3
26	PILLOW BLOCK	EV-S021	1
27	PINION GEAR	EV-S022	1
28	TIRE/RIM ASSEMBLY	EV-W002	4
29	FRONT DECK	EV-F040	1
54	4 TERMINAL SOLENOID	EV-E014	1
61	6 TERMINAL SOLENOID	EV-E021	2
66	CHARGER CORD (not illustrated)	EV-E026	1
68	CHARGER	EV-E028	1
70	CONTROLLER	EV-E030	1



FRONT VIEW



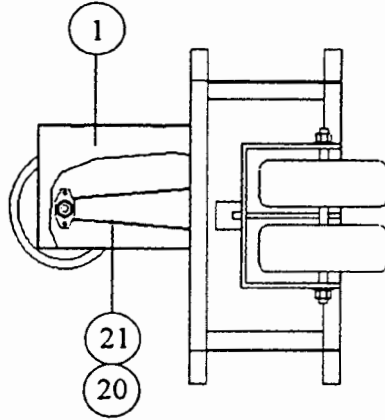
TOP VIEW



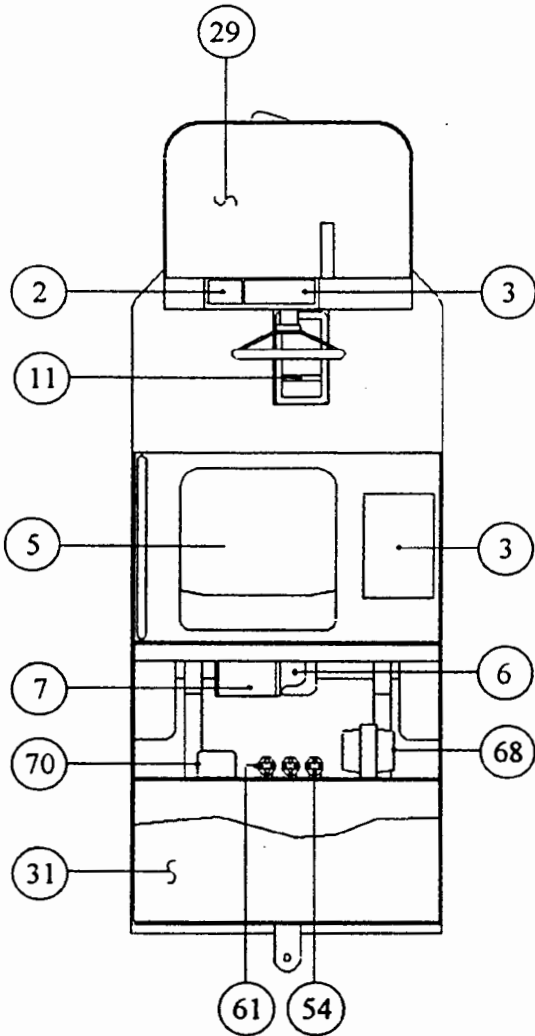
SIDE VIEW

MV-550 MAINTENANCE VEHICLE

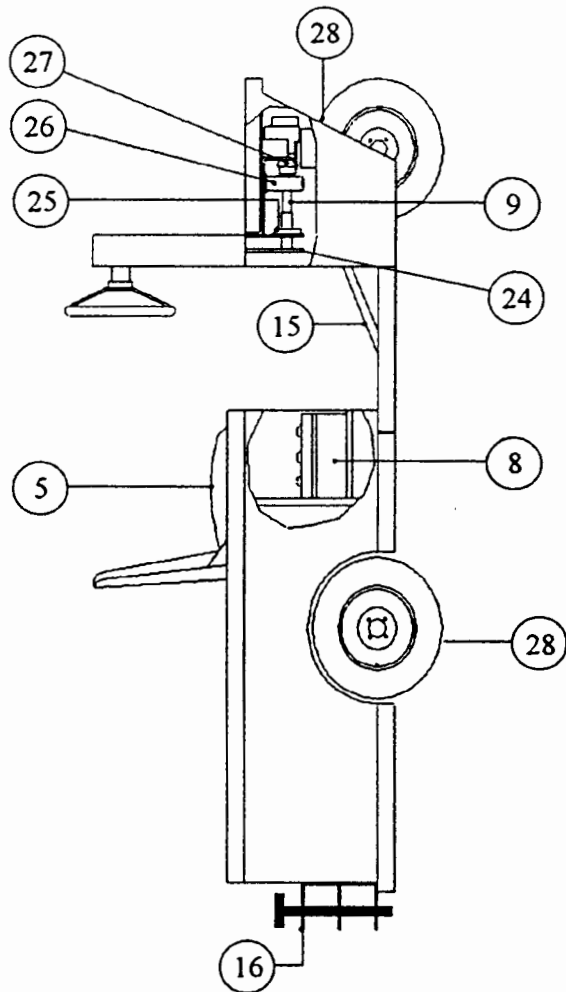
DWG.#	DESCRIPTION	P/N	QTY
1	PACK MULE DECAL	EV-A001	1
2	PACK MULE I.D. PLATE	EV-A002	1
3	CAUTION STICKER	EV-A003	2
5	BUCKET SEAT	EV-A005	1
6	TRANSAXLE	EV-D007	1
7	2 HP. MOTOR	EV-D008	1
8	BATTERY	EV-E036	4
9	STEERING ROD, MV-550	EV-S026	1
11	TREADLE ROD	EV-F022	1
15	ACCELERATOR PEDAL	EV-F034	1
16	T-HANDLE HITCH	EV-F035	1
20	DRIVE CHAIN #40	EV-S001	1
21	MASTER LINK	EV-S002	1
24	LOWER STEERING SPROCKET	EV-S029	1
25	STEER ROD BEARING	EV-S011	3
26	PILLOW BLOCK	EV-S021	1
27	PINION GEAR	EV-S022	1
28	TIRE/RIM ASSEMBLY	EV-W002	4
29	FRONT DECK	EV-F040	1
31	PLYWOOD DECK	EV-F041	1
54	4 TERMINAL SOLENOID	EV-E014	1
61	6 TERMINAL SOLENOID	EV-E021	2
66	CHARGER CORD (not illustrated)	EV-E026	1
68	CHARGER	EV-E028	1
70	CONTROLLER	EV-E030	1



FRONT VIEW



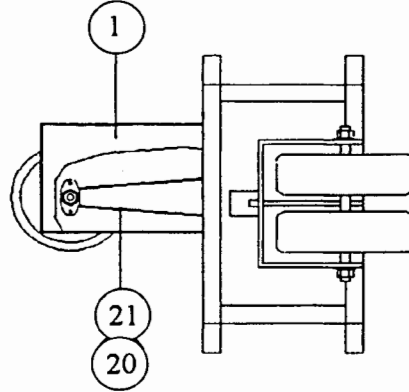
TOP VIEW



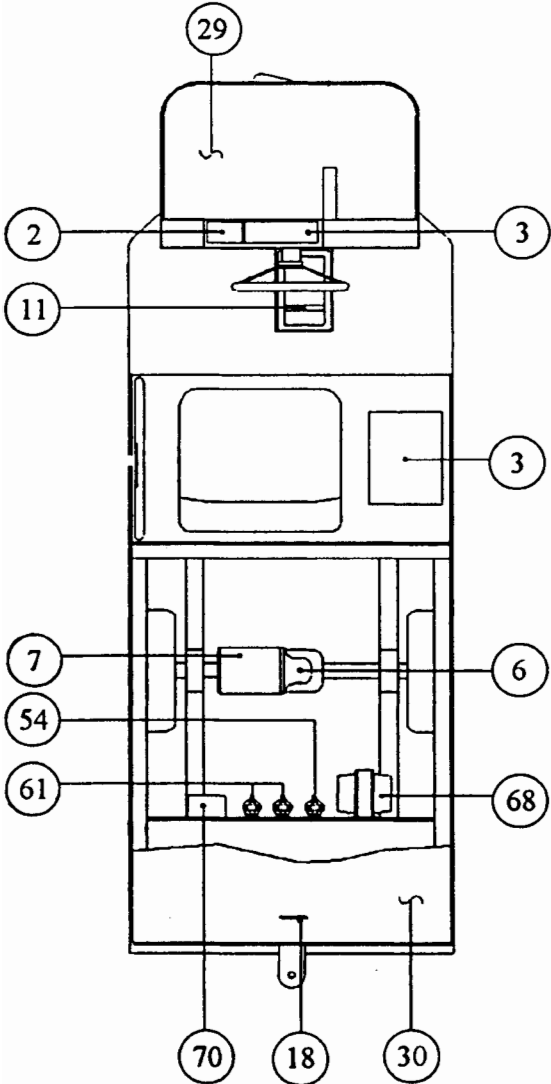
SIDE VIEW

CC-600 CARGO CARRIER

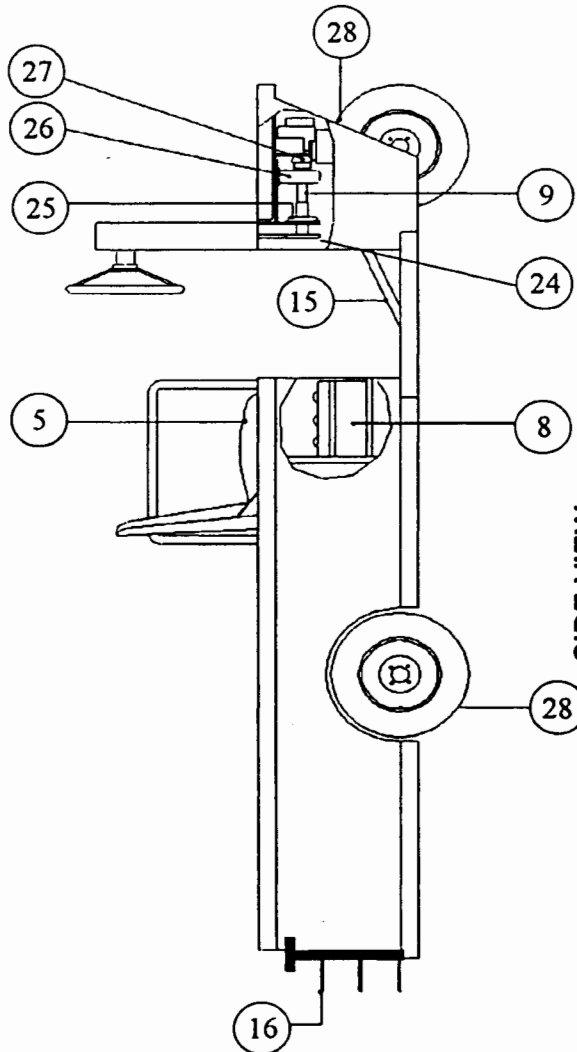
DWG.#	DESCRIPTION	P/N	QTY
1	PACK MULE DECAL	EV-A001	1
2	PACK MULE I.D. PLATE	EV-A002	1
3	CAUTION STICKER	EV-A003	2
5	BUCKET SEAT	EV-A005	1
6	TRANSAXLE	EV-D007	1
7	2 HP. MOTOR	EV-D008	1
8	BATTERY	EV-E036	4
9	STEERING ROD, CC-600	EV-S026	1
11	TREADLE ROD	EV-F022	1
15	ACCELERATOR PEDAL	EV-F034	1
16	T-HITCH HANDLE	EV-F035	1
18	DECK HANDLE	EV-F036	1
20	DRIVE CHAIN #40	EV-S001	1
21	MASTER LINK	EV-S002	1
24	LOWER STEERING SPROCKET	EV-S029	1
25	STEER ROD BEARING	EV-S011	3
26	PILLOW BLOCK	EV-S021	1
27	PINION GEAR	EV-S022	1
28	TIRE/RIM ASSEMBLY	EV-W002	4
29	FRONT DECK	EV-F040	1
30	PLYWOOD DECK (CC-600)	EV-F039	1
54	4 TERMINAL SOLENOID	EV-E014	1
61	6 TERMINAL SOLENOID	EV-E021	2
66	CHARGER CORD (not illustrated)	EV-E026	1
68	CHARGER	EV-E028	1
70	CONTROLLER	EV-E030	1



FRONT VIEW



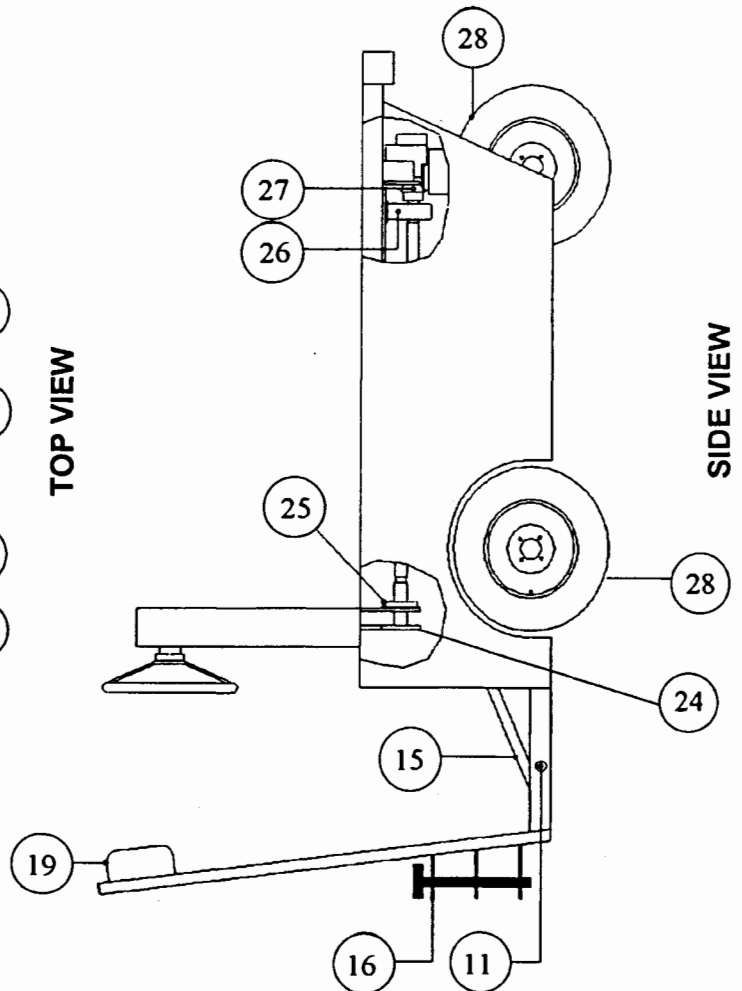
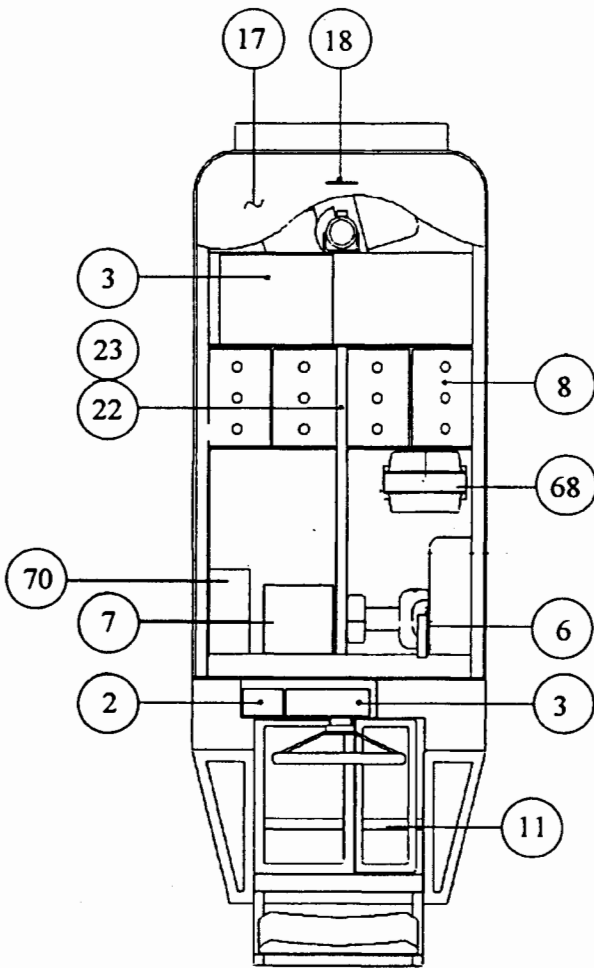
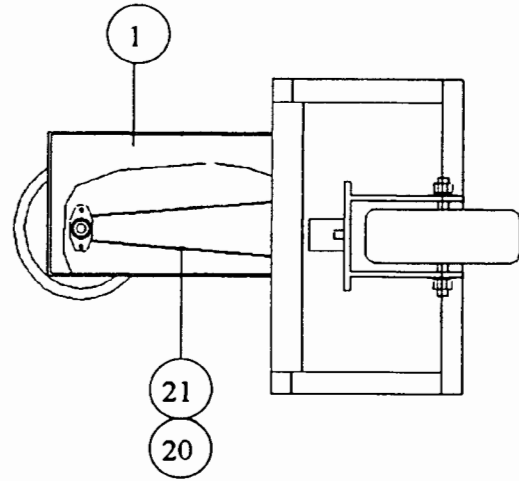
TOP VIEW



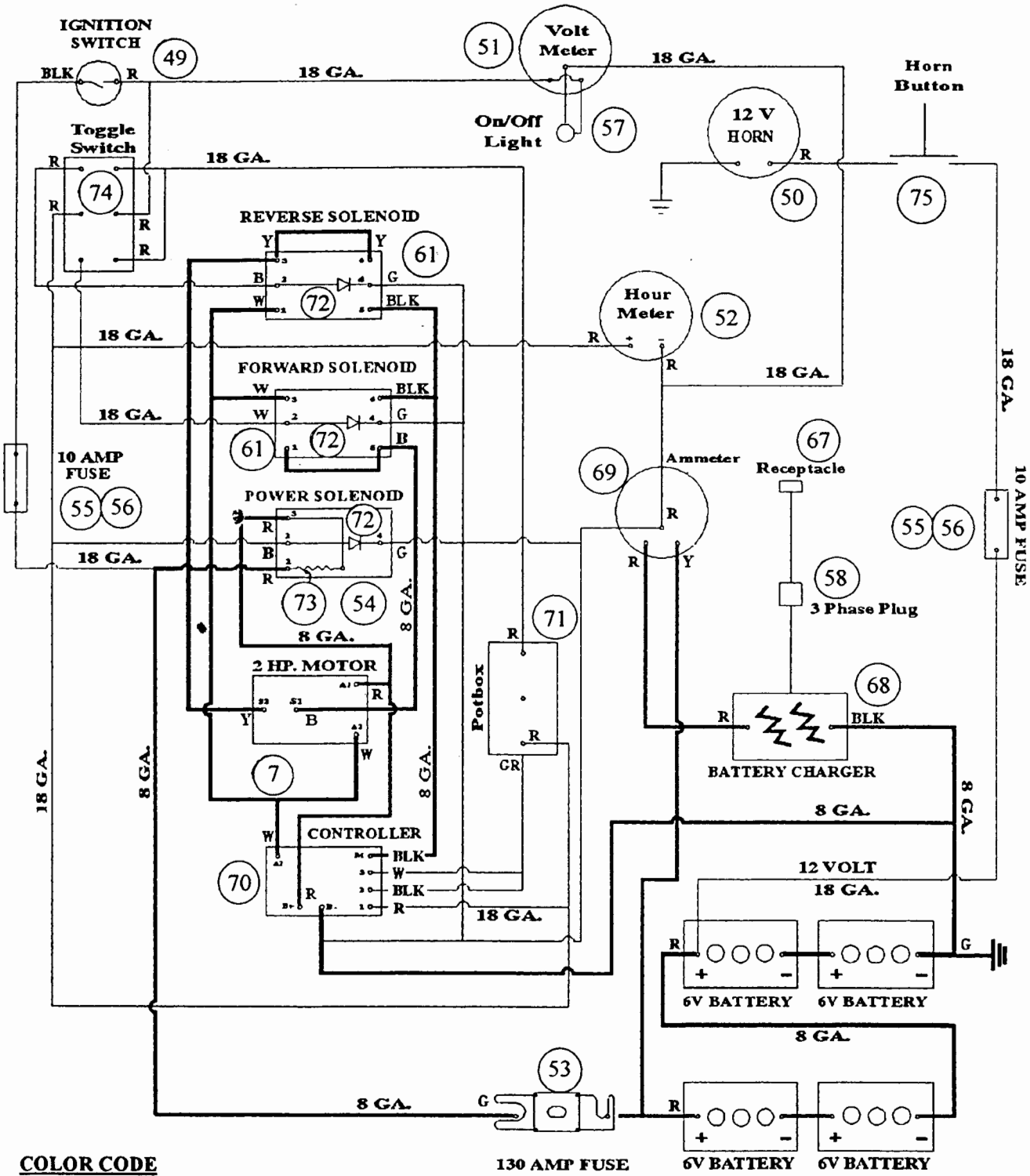
SIDE VIEW

SC-750 STOCK CHASER

DWG.#	DESCRIPTION	P/N	QTY
1	PACK MULE DECAL	EV-A001	1
2	PACK MULE I.D. PLATE	EV-A002	1
3	CAUTION STICKER	EV-A003	2
6	TRANSAXLE	EV-D007	1
7	2 HP. MOTOR	EV-D008	1
8	BATTERY	EV-E036	4
11	TREADLE ROD	EV-F022	1
15	ACCELERATOR PEDAL	EV-F034	1
16	T-HANDLE HITCH	EV-F035	1
17	DECK (SPECIFY MODEL NUMBER)	EV-F038	1
18	DECK HANDLE	EV-F036	1
19	BACKREST	EV-F037	1
20	DRIVE CHAIN #40	EV-S001	1
21	MASTER LINK	EV-S002	1
22	STEER ROD, (SC-750)	EV-S008	1
23	INSULATOR, STEERING	EV-S009	1
24	LOWER STEERING SPROCKET	EV-S029	1
25	STEER ROD BEARING	EV-S011	3
26	PILLOW BLOCK	EV-S021	1
27	PINION GEAR	EV-S022	1
28	TIRE/RIM ASSEMBLY	EV-W002	3 or 4
54	4 TERMINAL SOLENOID (not illustrated)	EV-E014	1
61	6 TERMINAL SOLENOID (not illustrated)	EV-E021	2
66	CHARGER CORD (not illustrated)	EV-E026	1
68	CHARGER	EV-E028	1
70	CONTROLLER	EV-E030	1

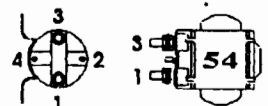


WIRING DIAGRAM

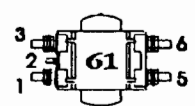


COLOR CODE

- B BLUE
- BLK BLACK
- G GREEN
- GR GRAY
- R RED
- W WHITE
- Y YELLOW



4 Terminal Solenoid

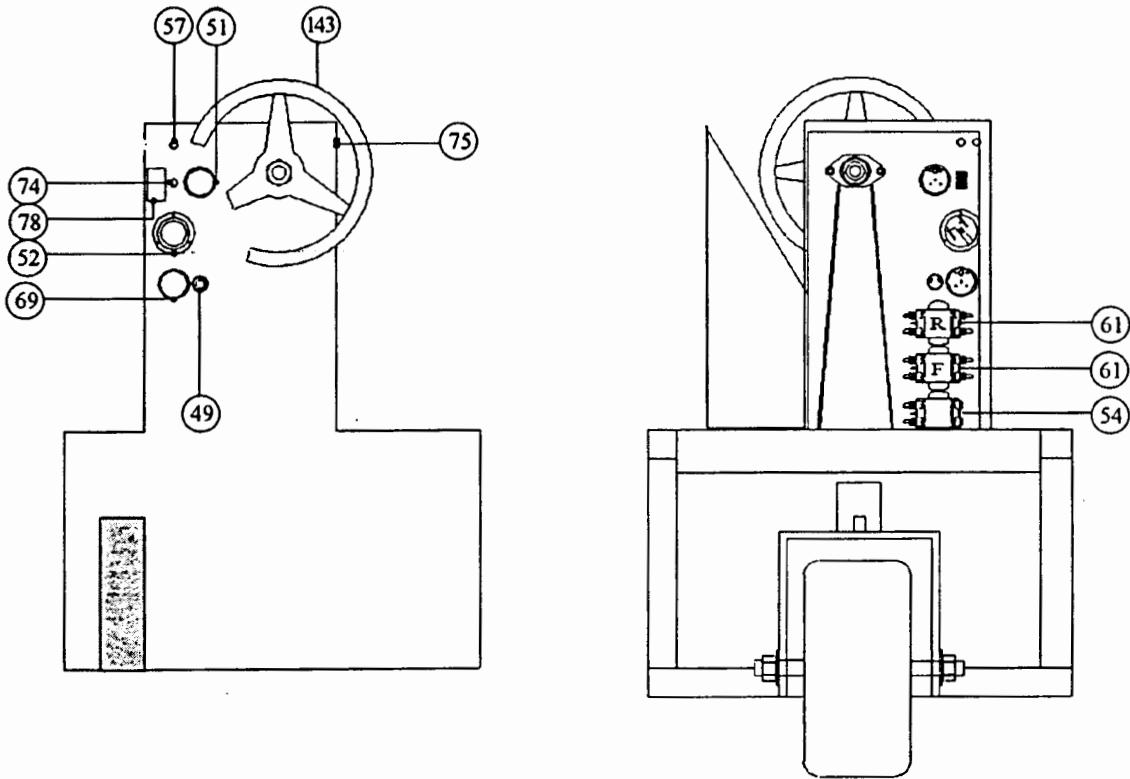


6 Terminal Solenoid

WIRING DIAGRAM PARTS LIST

DWG.#	DESCRIPTION	P/N	QTY
7	2 HP MOTOR	EV-D008	1
49	IGNITION SWITCH	EV-E009	1
50	12 V HORN	EV-E010	1
51	VOLT METER	EV-E011	1
52	HOUR METER	EV-E012	1
53	FUSE - 130 AMPS	EV-E013	1
54	SOLENOID, 4 TERM.	EV-E014	1
55	10 AMP FUSE	EV-E015	2
56	LITTLE FUSE HOLDER	EV-E016	2
57	ON/OFF LIGHT	EV-E017	1
58	3-PHASE FEMALE PLUG	EV-E018	1
61	SOLENOID, 6 TERMINAL	EV-E021	2
66	CHARGER CORD (NOT ILLUSTRATED)	EV-E026	1
67	RECEPTACLE	EV-E027	1
68	CHARGER	EV-E028	1
69	AMMETER, 60 A	EV-E029	1
70	CONTROLLER	EV-E030	1
71	POTBOX	EV-E031	1
72	DIODE	EV-E032	3
73	250 OHM RESISTOR	EV-E033	1
74	TOGGLE SWITCH	EV-E035	1
75	HORN BUTTON	EV-E041	1

INSTRUMENT PANEL (STOCK CHASER ILLUSTRATED)

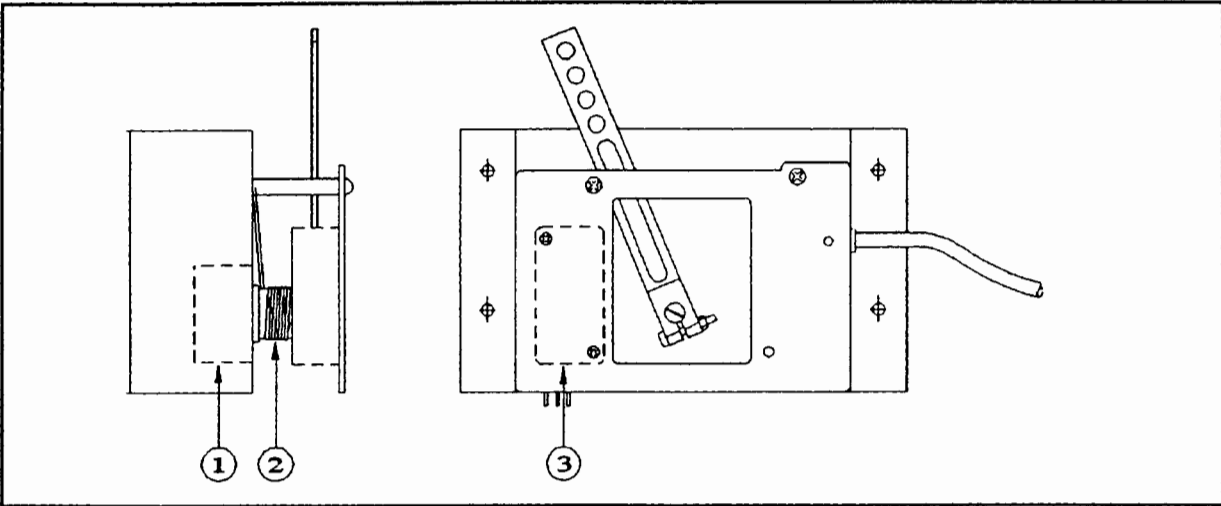


INSTRUMENT PANEL PARTS LIST

ITEM	DESCRIPTION	P/N	QTY
49	IGNITION SWITCH	EV-E009	1
51	VOLT METER	EV-E011	1
52	HOUR METER	EV-E012	1
54	4 TERMINAL SOLENOID (POWER)	EV-E014	1
57	ON/ OFF LIGHT	EV-E017	1
61	6 TERMINAL SOLENOID (FORWARD/REVERSE)	EV-E021	2
69	AMMETER	EV-E029	1
74	TOGGLE SWITCH	EV-E035	1
75	HORN BUTTON	EV-E041	1
78	DIRECTIONAL INDICATOR PLATE	EV-A006	1
143	STEERING WHEEL	EV-S012	1

POTBOX

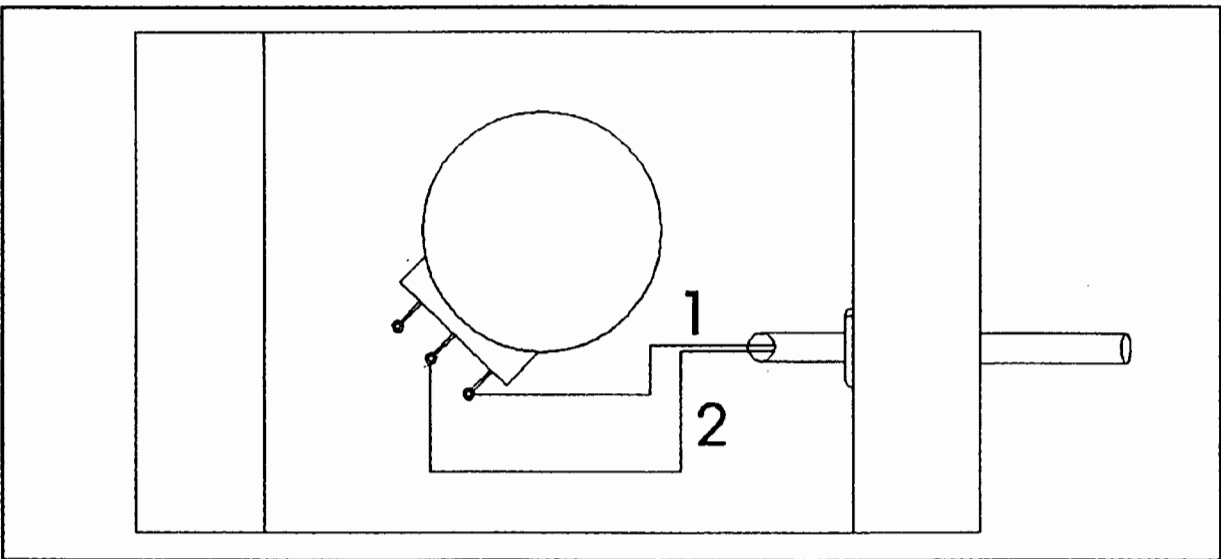
The potbox is located on a bracket on the rear of the vehicle. The potbox should be firmly attached to its mount so as to ensure proper adjustment with the accelerator pedal. Most causes of potentiometer failure are due to **IMPROPER ADJUSTMENT**.



EV-E031 POTBOX

The following are the available parts for the potbox:

- 1) Potentiometer, EV-E038
- 2) Potbox Spring, EV-E040
- 3) Microswitch, EV-E037

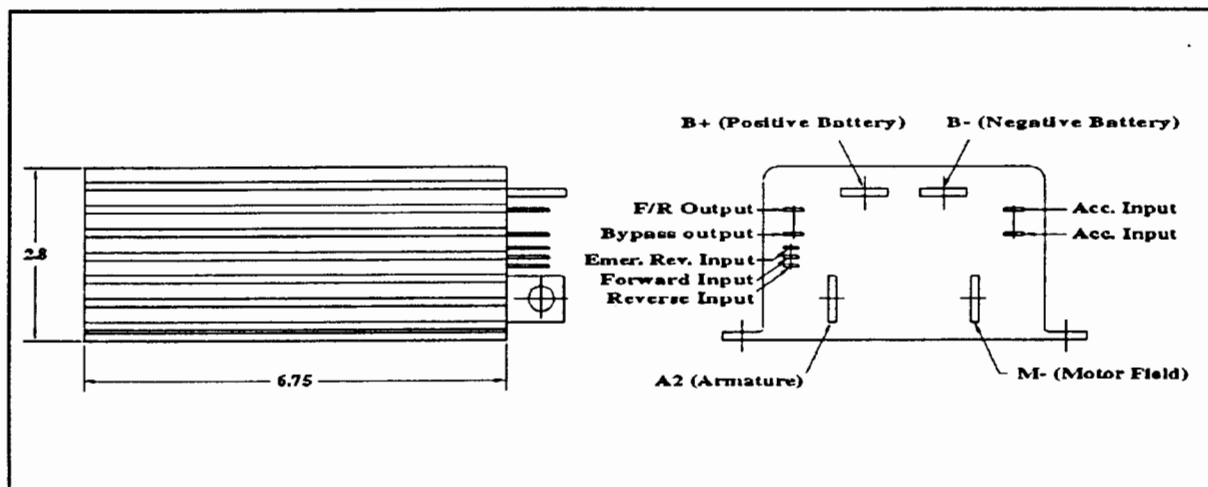


Potbox Wiring Diagram (Interior View)

Please note that the black wire connects to terminal 1, while the white wire is to be connected to the middle terminal. Terminal number 3 is not used for this application.

CONTROLLER DATA

The Pack Mule controller is a power MOSFET electronic DC motor speed controller designed to provide speed and torque control for the Wesley Pack Mule LLC. The controllers use the latest in semiconductor technology. This controller features simple installation and a sealed anodized solid aluminum housing.



<u>MODEL NUMBER</u>	<u>INPUT VOLTAGE</u>	<u>CURRENT LIMIT</u>	<u>2 MIN. RATING</u>	<u>5 MIN. RATING</u>	<u>1 HOUR RATING</u>	<u>VOLT. DROP</u>	<u>UNDER VOLT</u>
1204-001	24-36	275	275	200	125	35V	16

RECOMMENDED SPARE PARTS

The following are parts that are recommended to be kept on hand at all times. The quantities listed below are quantities to be kept per vehicle operated.

<u>PART NUMBER</u>	<u>DESCRIPTION</u>	<u>QUANTITY</u>
EV-E013	130 Amp Fuse	2
EV-E014	Solenoid, 4 Terminal	1
EV-E015	10 Amp Fuse	2
EV-E021	Solenoid, 6 Terminal	1
EV-E040	Spring for Potbox	2
EV-E037	Micro Switch	1
EV-E038	Potentiometer	1

TRANSAXLE MAINTENANCE AND REPAIR

Important considerations in assembling and disassembling the transaxle for the Pack Mules include cleanliness, replacement of bearings and seals, careful removal of snap rings, and the application of adequate torque on bolts, bearings and screws. For these procedures, the proper tools are required. Some of the service operations require special tools, such as oil seal, bearing and slide hammer pullers.

Wesley Pack Mule LLC recommends that “original equipment” service parts be used in the event that parts need to be replaced.

All maintenance personnel should be aware that the transaxle is a precision assembly, and as such, repair and replacement of parts must be done with great care in a clean environment. The following are general recommendations that relate to work on the transaxle:

WARNING: Safety glasses should be worn at all times when assembling and disassembling

- Handle all gears with extreme care.
- Degrease axle assembly before disassembling.
- Clean parts in small wash tank prior to re-assembly.
- Replace bearings, seals, and O-rings if removed, regardless of mileage.
- Replace nuts used on ring gear and brake installation during service regardless of mileage.
- Remove bearing and seals with special pullers.
- When removing the cover plate, position the transaxle over a drain pan.
- Bearing caps are marked for identification. Letter or numbers are stamped in horizontal or vertical positions. During reassembly, place them back in their original positions.
- Whenever disassembling, use caution as to not damage sealing surfaces such as the housing sealing surface. Snap rings must be removed or installed with care to prevent damage to bearings, seals and bearing boxes.
- Use soft, clean, and lintless towels to dry components after cleaning.
- Do not air dry bearings with compressed air.
- Apply anti-seize compound to the axle shaft spline to prevent wear and corrosion.
- Use Heavy Duty 90W Gear Oil.

TORQUE INFORMATION

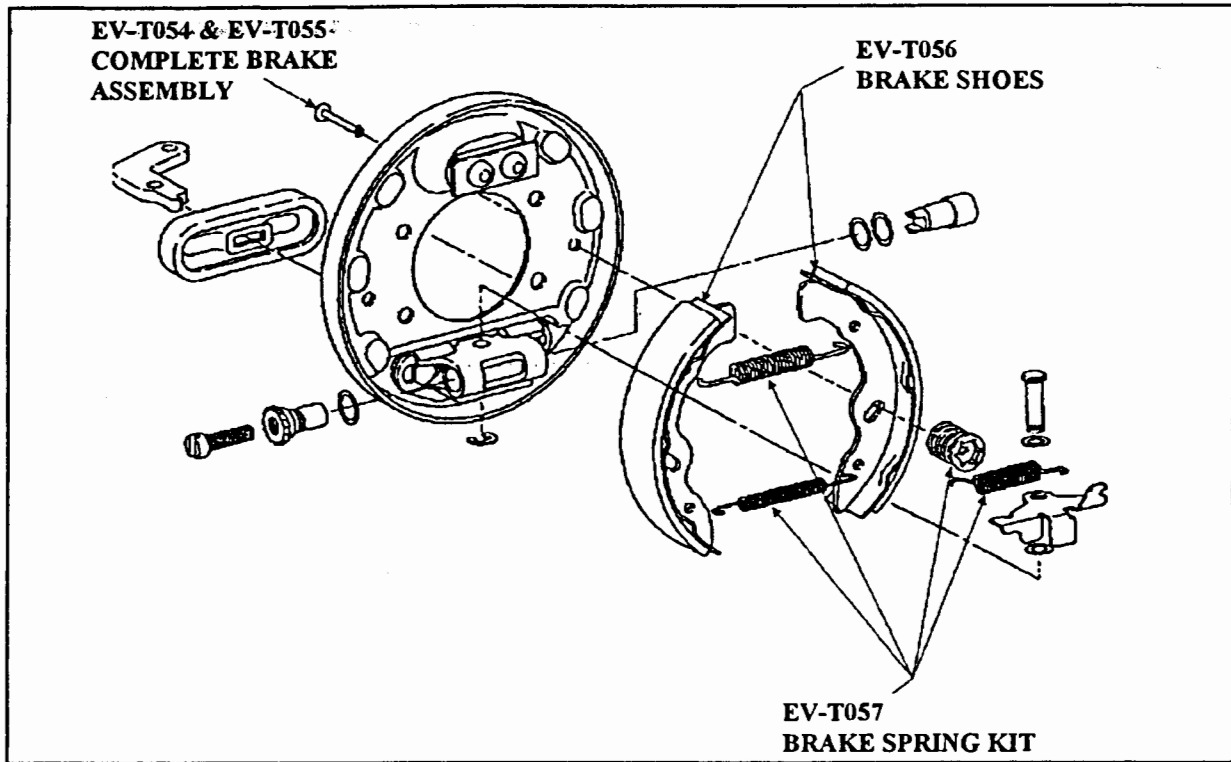
Apply the following torque to the particular components listed:

Differential Bearing Caps.....	35-45 Ft. Lbs.
Ring Gear Bolts.....	35-45 Ft. Lbs.
Cover Plate Screws.....	18-25 Ft. Lbs.
Fill Plug.....	25-40 Ft. Lbs.
Brake Hardware.....	23-35 Ft.-Lbs.
Spindle Nut.....	65-75 Ft.Lbs. then tighten to next slot.

TRANSAXLE PARTS LIST

DWG.#	DESCRIPTION	P/N	QTY
81	CARRIER SUB-ASSEMBLY	EV-T001	2
84	DIFFERENTIAL CASE ASSEMBLY	EV-T004	1
85	GEAR OUTPUT	EV-T005	1
86	CAP SCREW	EV-T006	4
87	NUT	EV-T007	4
88	BEARING, BALL	EV-T008	2
89	INT. SHAFT & GEAR ASSEMBLY	EV-T009	1
90	O-RING	EV-T010	2
91	BEARING, BALL	EV-T011	2
92	INPUT SHAFT	EV-T012	1
93	BALL BEARING	EV-T013	1
94	O-RING	EV-T014	3
95	BALL BEARING	EV-T015	1
96	SNAP RING	EV-T016	3
97	PLUG, CUP	EV-T017	2
98	COVER CARRIER	EV-T018	1
99	FLAT WASHER	EV-T019	1
100	FILL PLUG	EV-T020	1
101	SCREW COVER PLATE	EV-T021	10
102	COVER PLATE SEALANT	EV-T022	1
103	SHAFT, AXLE L.H.	EV-T023	1
104	TUBE ASSY. - L.H.	EV-T024	1
105	SHAFT, AXLE, R.H.	EV-T025	1
106	TUBE ASSY. - R.H.	EV-T026	1
107	VENT	EV-T027	1
108	BEARING	EV-T028	2
109	SNAP RING	EV-T029	4
110	SEAL, OIL	EV-T030	2
111	ANAEROBIC SEALANT	EV-T031	1
113	BRAKE ASSEMBLY, SHOE TYPE, L.H.	EV-T054	1
114	BRAKE ASSEMBLY, SHOE TYPE, R.H.	EV-T055	1

BRAKE AND AXLE

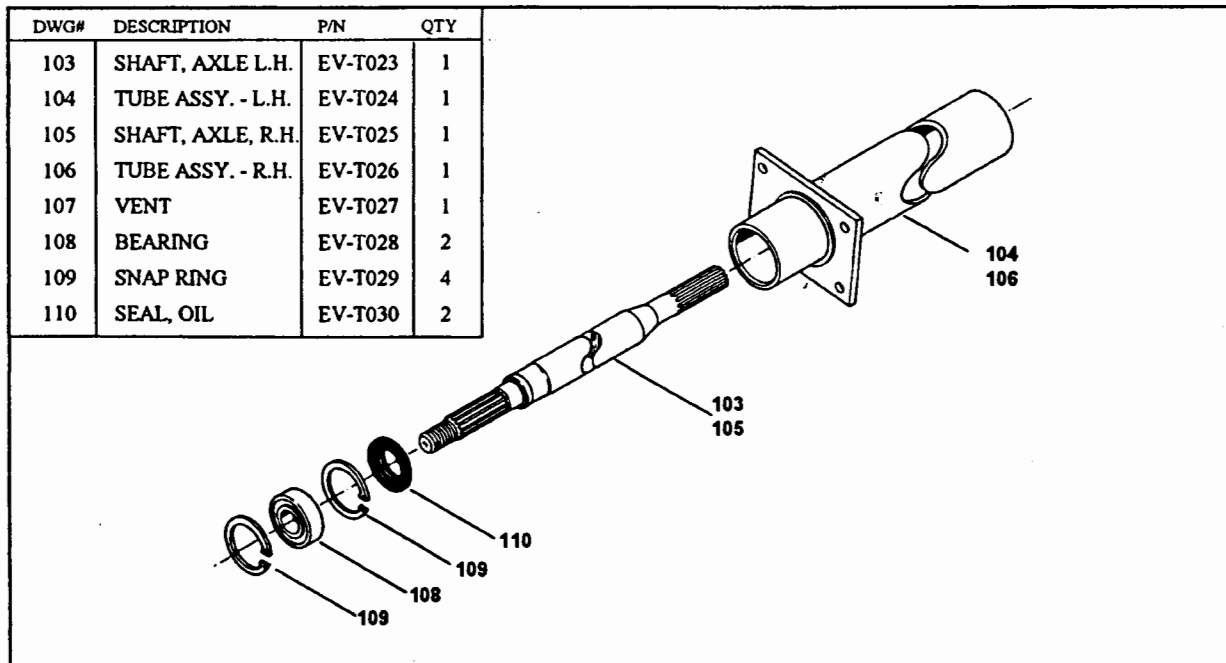


DWG # 113 & 114. Brake Assembly, EV-T054, Left Hand (Illustrated)

Wesley Pack Mule LLC offers the following kits for the braking system:

- 1) Brake Assembly (complete), EV-T054 (LH) AND EV-T055 (RH)
- 2) Brake Shoes (1 Wheel), EV-T056
- 3) Brake Spring Kit (1 Wheel), EV-T057

AXLE ASSEMBLY Left Hand (Illustrated)



TROUBLE-SHOOTING

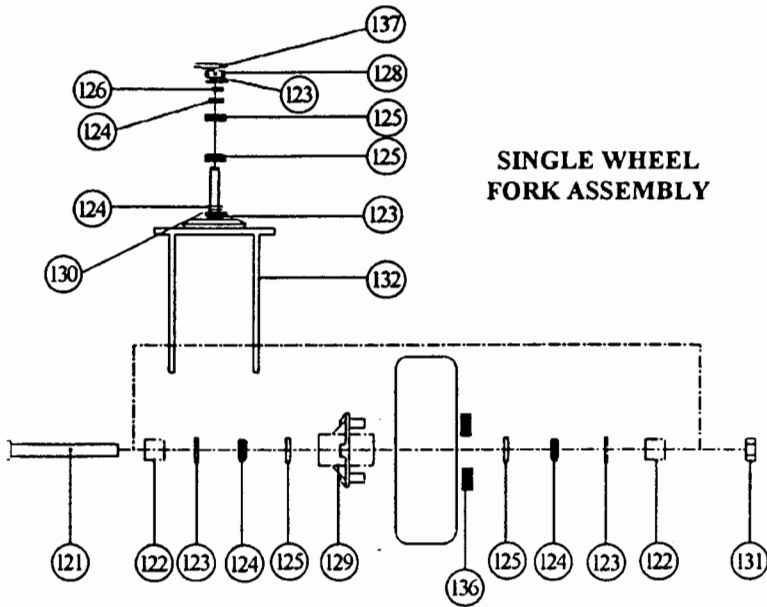
Before checking or repairing any part of the vehicle, ensure that all safety precautions have been taken. Electrical control systems adjustments should only be made by qualified personnel, due to the use of special equipment and instruments. If there is ever a question about the sensitivity of an adjustment or the difficulty of that adjustment, please feel free to contact Wesley Pack Mule LLC using our toll free number 1-800-241-2869.

SYMPTOM	POSSIBLE CAUSE	SOLUTION
VEHICLE DOES NOT RUN	<p>Main fuse blown Short circuit</p> <p>Motor</p> <p>Small (10 Amp) fuse blown Short circuit</p> <p>Faulty control circuit Faulty connections Solenoid Battery Ignition Fuse</p> <p>Malfunction of solenoid Faulty batteries</p> <p>Malfunction of solid state controller.</p>	<p>Trace the main power line from the fuse and check for a short circuit.</p> <p>Send motor to authorized G.E. motor service center.</p> <p>Trace wires from the fuse and check for a short (any bare wire that touches the chassis or common ground wire)</p> <p>Replace faulty element Check all connections to insure that all are tight and clean</p> <p>Inspect or replace Check with hydrometer* and replace faulty batteries</p> <p>Consult manufacturer and replace</p>
MOTOR RUNS IN THE WRONG DIRECTION	<p>Reversed toggle switch wires</p>	<p>Check the forward and reverse toggle switch for proper connections.</p>
VEHICLE LOSES LOW OR HIGH SPEED	<p>Malfunction of potbox.</p> <p>Malfunction of solid state control unit or accelerator</p>	<p>Check potbox and replace potentiometer or spring microswitch if necessary.</p> <p>Consult manufacturer and replace.</p>

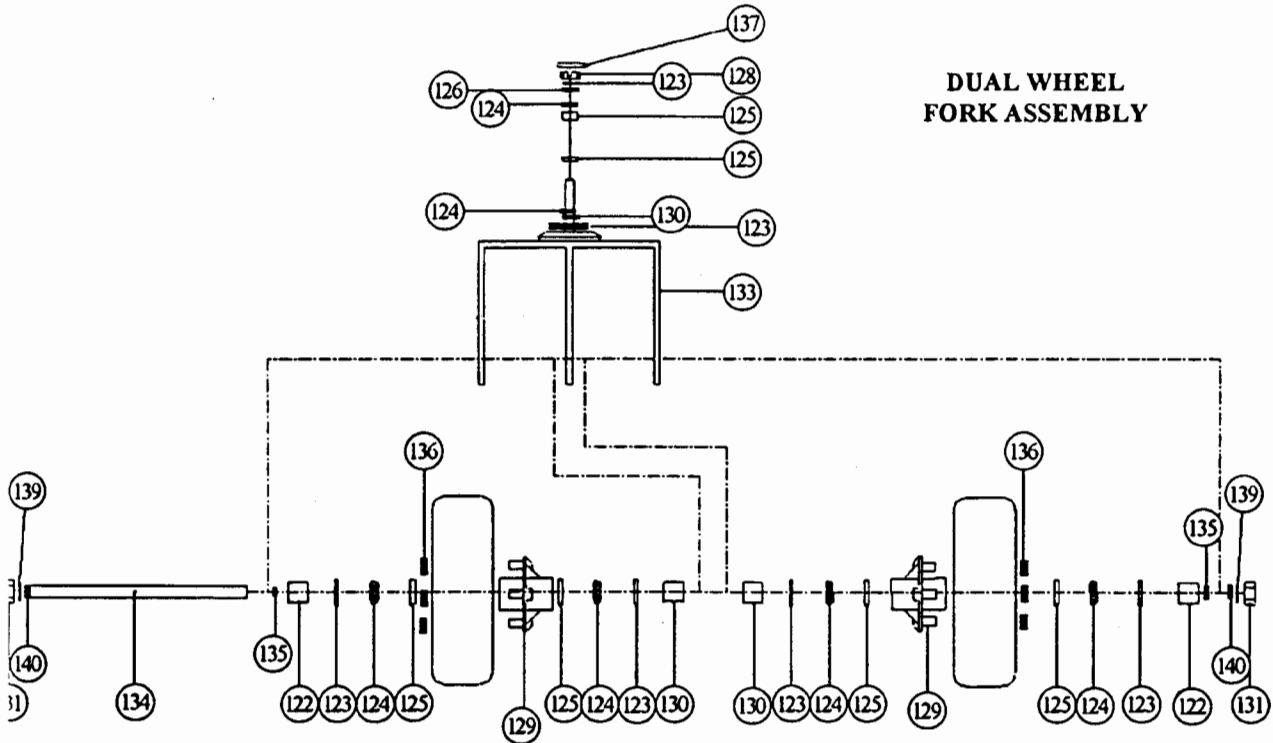
SYMPTOM	POSSIBLE CAUSE	SOLUTION
ROUGH BRAKING	Worn brake band shoes.	Adjust or replace brake band shoes by backing off the lock nut, tightening the tension nut and tighten the lock nut back into place.
	Malfunction of tension spring.	Inspect the tension spring to insure proper tension.
	Speed control linkage	Check speed control linkage to insure that the motor is not on when the pedal is fully released.
CHARGER DOES NOT WORK	Blown fuse Batteries are fully charged Battery damaged Charger failure Faulty ammeter	Inspect circuit and replace fuse Disconnect batteries Check batteries with hydrometer.* Replace charger By-pass ammeter-replace
BATTERY UNABLE TO FULLY RECHARGE	Battery fluid level low Battery worn out	Check water level of batteries and fill with distilled water After allowing enough time for the batteries to recharge, check with hydrometer.*

* See maintenance requirements.

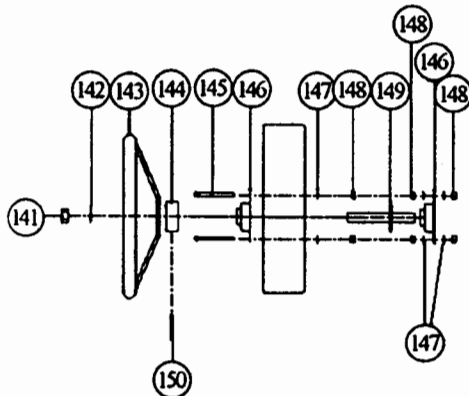
FRONT FORK WHEEL ASSEMBLY



ITEM	DESCRIPTION	P/N
121	FRONT WHEEL AXLE BOLT	EV-W003
122	FRONT BEARING SLEEVE (2)	EV-W007
123	OIL SEAL (4) (6 on Dual Wheel)	EV-W008
124	TAPERED ROLLER BEARING (4 or 6)	EV-W009
125	BEARING RACE (4) (6 on Dual Wheel)	EV-W010
126	BUSHINGS-SHORT	EV-W011
128	1" THIN SLOTTED HEX NUT	EV-W013
129	HUB W/STUDS (2 on Dual Wheel)	EV-W001
130	SPACER-LONG (1) (3 on Dual Wheel)	EV-W014
131	1" SLOTTED HEX NUT (2 on Dual Wheel)	EV-W006
132	FRONT WHEEL FORK ASSEMBLY	EV-W015
133	DOUBLE FORK ASSEMBLY	EV-W016
134	DUAL FRONT WHEEL AXLE	EV-W017
135	1" THIN HEX NUT (2 on Dual Wheel)	EV-S017
136	FRONT LUG NUTS (4) (8 on Dual Wheel)	EV-W006
137	COTTER PIN 3/16 - 1 1/4"	EV-W025
139	1" LOCK WASHER (2 on Dual Wheel)	EV-W026
140	1" FLAT WASHER (2 on Dual Wheel)	EV-W027



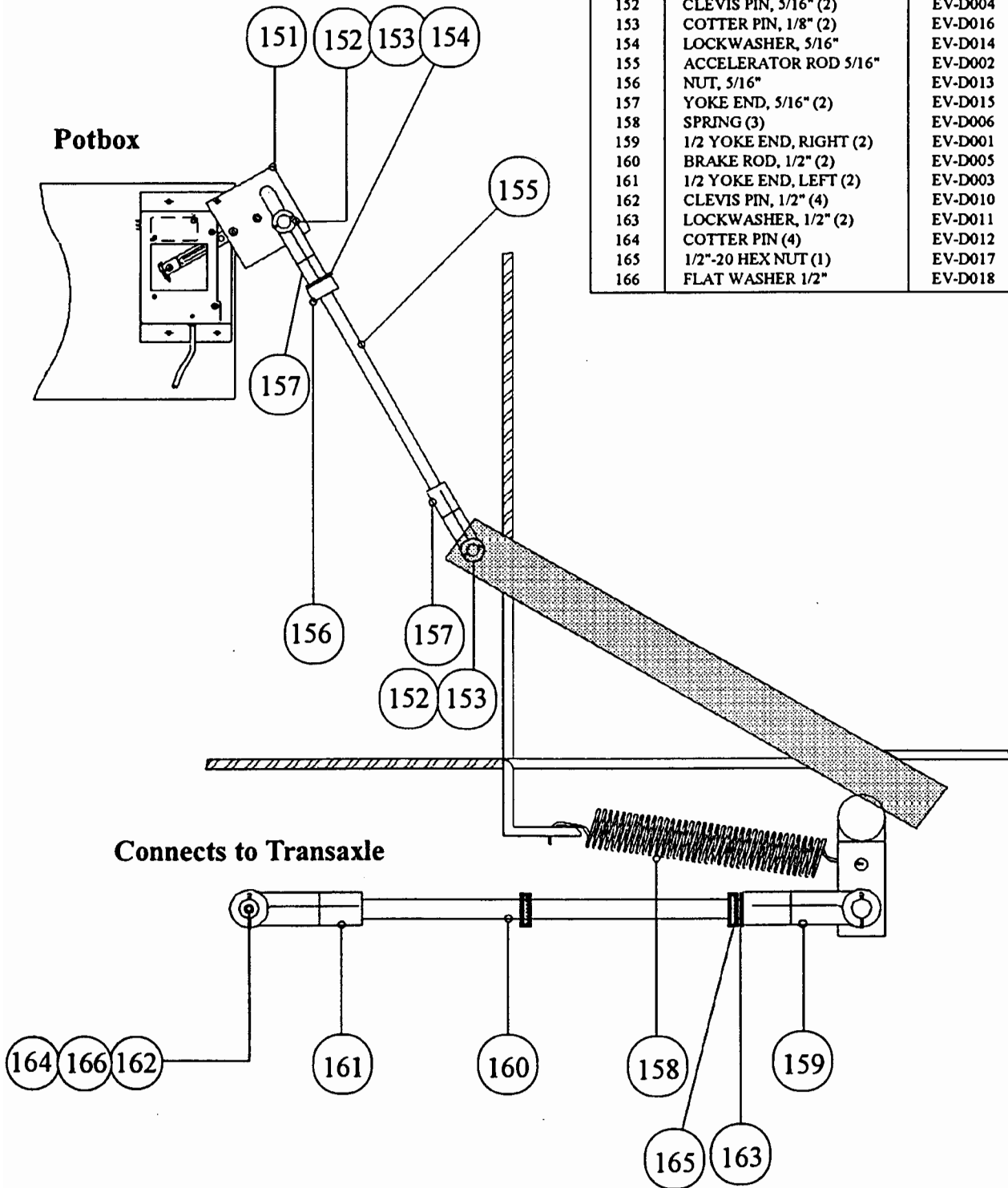
STEERING ASSEMBLY



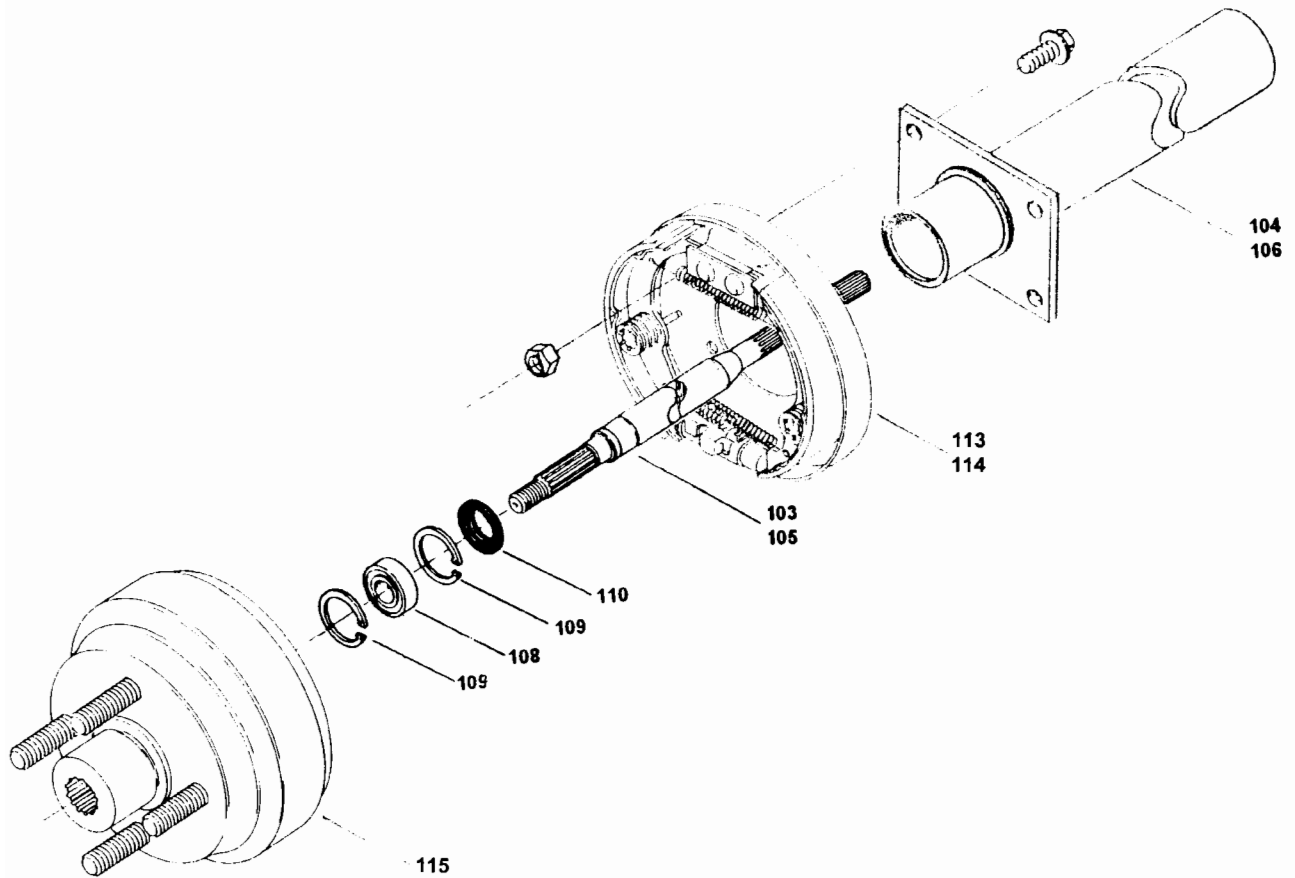
ITEM	DESCRIPTION	P/N
141	STEERING WHEEL NUT 3/4	EV-S024
142	LOCKWASHER 3/4	EV-S025
143	STEERING WHEEL	EV-S012
144	DONUT ADAPTER	EV-S013
145	3/8-16" BOLT 3" LONG (2)	EV-G007
146	STEERING WHEEL BEARING (2)	EV-S011
147	LOCKWASHER, 3/8" (6)	EV-G010
148	NUT, 3/8-16" (6)	EV-G005
149	AXLE AND SPROCKET	EV-S014
150	ROLL PIN 3/16 X 2"	EV-S017

ACCELERATOR LINKAGE

ITEM	DESCRIPTION	P/N
151	ACCELERATOR BRACKET	EV-D009
152	CLEVIS PIN, 5/16" (2)	EV-D004
153	COTTER PIN, 1/8" (2)	EV-D016
154	LOCKWASHER, 5/16"	EV-D014
155	ACCELERATOR ROD 5/16"	EV-D002
156	NUT, 5/16"	EV-D013
157	YOKE END, 5/16" (2)	EV-D015
158	SPRING (3)	EV-D006
159	1/2 YOKE END, RIGHT (2)	EV-D001
160	BRAKE ROD, 1/2" (2)	EV-D005
161	1/2 YOKE END, LEFT (2)	EV-D003
162	CLEVIS PIN, 1/2" (4)	EV-D010
163	LOCKWASHER, 1/2" (2)	EV-D011
164	COTTER PIN (4)	EV-D012
165	1/2"-20 HEX NUT (1)	EV-D017
166	FLAT WASHER 1/2"	EV-D018



HUB & DRUM, AXLE, and BRAKE



DWG#	DESCRIPTION	P/N	QTY
103	SHAFT, AXLE L.H.	EV-T023	1
104	TUBE ASSY. - L.H.	EV-T024	1
105	SHAFT, AXLE L.H.	EV-T025	1
106	TUBE ASSY. - L.H.	EV-T026	1
107	* VENT	EV-T027	1
108	BEARING	EV-T028	2
109	SNAP RING	EV-T029	4
110	SEAL, OIL	EV-T030	2
113	BRAKE ASSEMBLY, SHOE TYPE, L.H.	EV-T054	1
114	BRAKE ASSEMBLY, SHOE TYPE, R.H.	EV-T055	1
115	HUB & DRUM ASSY. W/ STUDS	EV-T058	2
116	* CASTLE JAM NUT/ SLOTTED	EV-T059	2
117	* COTTER PIN	EV-W025	2

* NOT PICTURED!

Wesley Pack Mule LLC

LIMITED WARRANTY

Wesley Pack Mule LLC, will repair or exchange parts for this product free of charge in the event of a defect in materials or workmanship as follows:

PARTS: (excluding motor, transaxle, charger, and batteries)

New or rebuilt parts in exchange for defective parts for six (6) months from date of shipment from our plant.

LABOR: Purchaser's labor cost or other charges for correcting defects or making additions will not be allowed.

COMPONENT PARTS: These are covered by their respective companies' warranties as follows:

Motor	18 months
Transaxle	12 months
Charger	24 months
Batteries	Manufacturers Warranty
Tires	Manufacturers Warranty

This warranty covers failures due to defects in materials and workmanship which occur during normal use and does not cover damage which occurs during shipping or failures which result from alteration, accident, misuse, abuse, neglect, improper maintenance, or service not authorized by Wesley Pack Mule LLC.

LIABILITY LIMITATIONS: Under no circumstances shall Wesley Pack Mule LLC be liable for consequential or incidental damages of any nature (whether based on contract or tort) including, but not limited to, loss of production, delays or expense. The liability of Wesley Pack Mule LLC shall not, under any other circumstances, exceed the purchase price of the product furnished.

SAFETY DEVICES: Wesley Pack Mule LLC certifies that the product will comply with OSHA standards (in effect at the time of order acceptance by Wesley Pack Mule LLC) that relate solely to the physical characteristics and not to the circumstances of use (including noise) of the products. The products are provided with only those safety devices identified herein. It is the responsibility of the purchaser to furnish other appropriate safety devices in compliance with OSHA standards, or which are desired by the purchaser and/or required by other laws.

RETURNS: Wesley Pack Mule LLC will not accept products returned for repair or replacement or credit unless the return is authorized by Wesley Pack Mule LLC in writing.



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