

USER INSTRUCTIONS AND MAINTENANCE

OPERATION AND USE, 4" VACUUM HOLSTER™

- Activate the exhaust fan, either by a) using an on/off switch or b) using the optional Remote Start from Ascent Systems.
- With the exhaust fan running, remove the tailpipe adapter from its resting notches in the Hose Holster. The tailpipe adapter and the exhaust hose can be pulled toward the vehicle.
- Once the tailpipe adapter is in close proximity to the emission source, rotate the damper to permit the flow of air.
- Slide the rubber boot over the emission source, and locate an attachment point for the attachment hook.
- Place the attachment hook over the attachment point. Then, to secure the tailpipe adapter over the emission source, pinch the slip clasp so that the cord can easily slide through it. Pull the cord so that it is tensioned, and release pressure on the slip clasp, allowing it to pinch the cord. Note: Make sure cord does not come in contact with hot tailpipe.
- With the tailpipe adapter securely in place, allow the exhaust fan to run for the duration of the time that the vehicle is emitting fumes.
- Once the vehicle has ceased to emit fumes, pinch the slip clasp and loosen the tension on the cord.
- Remove the attachment hook from the attachment point, and rotate the damper to the closed position.
- The vacuum from the exhaust fan will provide assistance in retracting the exhaust hose. Feed the exhaust hose and tailpipe adapter into the Hose Holster.
- Guide the axle of the rotational damper into the notches of the Hose Holster. Position the damper axle so that the tailpipe adapter rests on these notches.
- Deactivate the exhaust fan, or (if another unit is in operation) allow the exhaust fan to continue running.

OPERATION AND USE, 5-6" VACUUM HOLSTER™

- Activate the exhaust fan, either by a) using an on/off switch or b) using the optional Remote Start from Ascent Systems.
- With the exhaust fan running, remove the tailpipe adapter from its resting notches in the Hose Holster. The tailpipe adapter and the exhaust hose can be pulled toward the vehicle.
- Once the tailpipe adapter is in close proximity to the emission source, rotate the damper to permit the flow of air.
- Slide the rubber boot over the emission source. Sandwich the tailpipe between the rubber boot and the internal attachment tongue.
- Once the tailpipe adapter is in place, push down on the

attachment clamp to secure the tailpipe adapter in the operational position.

- With the tailpipe adapter securely in place, allow the exhaust fan to run for the duration of the time that the vehicle is emitting fumes.
- Once the vehicle has ceased to emit fumes, lift the attachment clamp so that the tailpipe adapter is not secured to the emission source.
- Remove the tailpipe adapter from the emission source, and rotate the damper to the closed position.
- The vacuum from the exhaust fan will provide assistance in retracting the exhaust hose. Feed the exhaust hose and tailpipe adapter into the Hose Holster.
- Guide the axle of the rotational damper into the notches of the Hose Holster. Position the axle of the damper so that the tailpipe adapter rests on the notches.
- Deactivate the exhaust fan, or (if another unit is in operation) allow the exhaust fan to continue running.

MAINTENANCE PROCEDURES

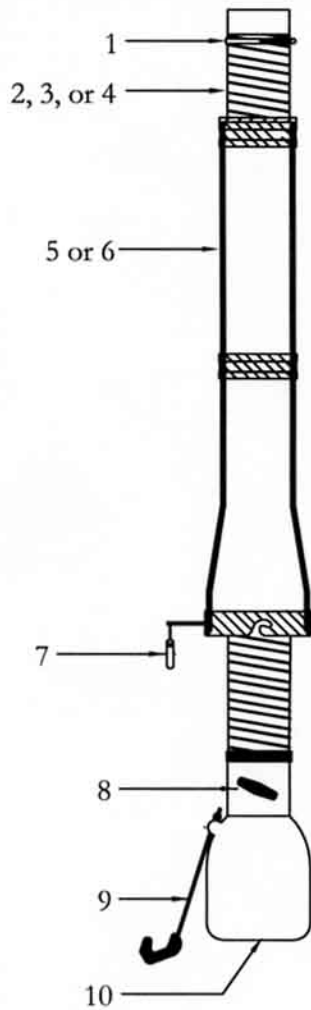
Most of the primary components of the Vacuum Holster™ (Hose Holster, exhaust hose, damper and tailpipe adapter) require minimal maintenance. However, simple procedures may need to be performed on 1) the exhaust fan; and 2) the transmitters of the Remote Start Option.

The exhaust fan may require occasional preventative maintenance. Please consult the exhaust fan manual (included with every O & M package) for details concerning the care and maintenance of the exhaust fan. Whenever servicing an exhaust fan, please observe the safety fan procedures that are provided in this O & M package.

If the Remote Start Option has been ordered, the 9 volt battery inside the transmitter may need to be changed or occasionally. **If the transmitter is not sending a signal to the control panel, a low battery is the probable cause.** Simply open the transmitter with a small Philips screwdriver, replace the 9 volt battery, and reassemble the transmitter.

Although the Vacuum Holster™ has been designed to require little maintenance, the end user is encouraged to check the components periodically for wear and tear. Please contact your local representative or Ascent System with any concerns.

PARTS LIST, 4" VACUUM HOLSTER™



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VACUUM HOLSTER ASSEMBLY

Mark	Part #	Description
1	H4HCL	4" Hose Clamp
2	H4N-??	4" Standard Duty Hose, (color black). Please specify length.
3	H4S-??	4" High Temp Hose, (color silver). Please specify length.
4	H4C-??	4" Combined Hose, (color black and green). Please specify length.
5	VH408-C	4" Hose Holster, Compact Model (3'5" Height)
6	VH408-E	4" Hose Holster, Extended Model (4'9" Height)
7	A3TK	Transmitter with Holster Install Kit
8	A-VH414	4" Damper Sleeve Assembly (includes aluminum housing, damper plate and axle, and T handles)
9	A-VH415	Attachment Hook Assembly (includes hook, cord, and cord lock)
10	VH401	4" Rubber Boot

BRACKET SUSPENSION KIT

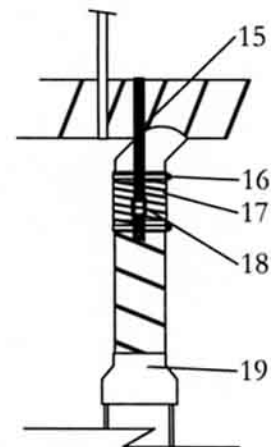
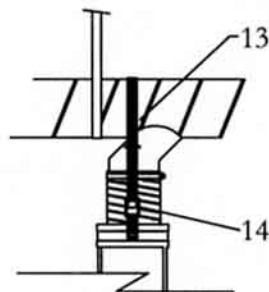
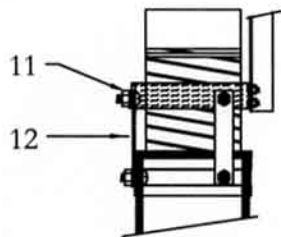
11	SB401	4" Suspension Rim with Hardware
12	SB101	Flexible Suspension Strap with Hardware

DIRECT-TO-DUCT SUSPENSION KIT

13	SH101	Duct Suspension Strap 10', with Hardware
14	SH102	Cam Cleat, Hose Holster-to-Suspension Strap

EXTENDED DIRECT-TO-DUCT SUSPENSION KIT

15	SH101	Duct Suspension Strap 10', with Hardware
16	H4HCL	4" Hose Clamp
17	H4N01	4" x 1' Flex Connector
18	SH102	Cam Cleat, Hose Holster-to-Suspension Strap
19	SE401	Duct-to-Holster Adapter

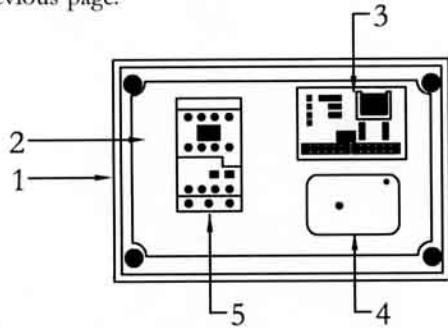


OPTION PARTS LIST

REMOTE START OPTION

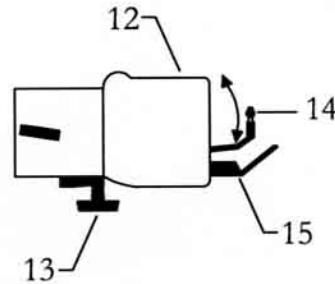
Mark	Part #	Description
1	CP101	Control Panel Enclosure
2	CP102	Control Panel Base
3	CP103	Circuit Board
4	CP104	Receiver
5	??-????	Motor Starter (see page 7 for part #)

NOTE: The transmitter (Part # A3TK) is pictured on the previous page.



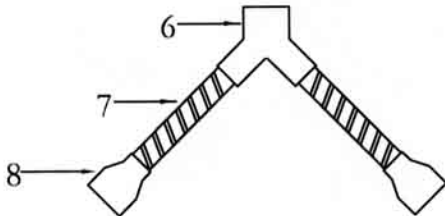
SCHOOL BUS TAILPIPE ADAPTER

12	BTA101	Rubber Boot
13	BTA102	T-Handle
14	BTA103	Spindle
15	BTA104	Internal Attachment Assembly



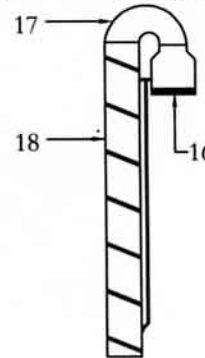
AUTOMOTIVE WYE ASSEMBLY OPTION

6	WA401	Wye Connector
7	WA402	4' x 4' Branch Hose
8	VH401	4' Rubber Boot



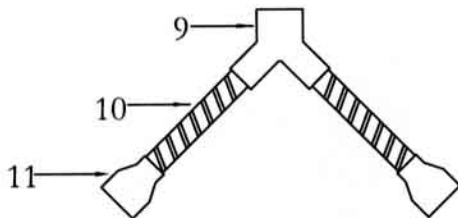
EXHAUST CANE OPTION

16	EX101	Capture Hood with Rubber Wrap
17	EX102	High Temp Hose Elbow with Hose Clamps
18	EX103	Vertical Plenum with Handle



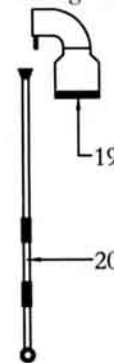
DIESEL WYE ASSEMBLY OPTION

9	WA601	Wye Connector
10	WA602	6' x 4' High Temp Hose
11	VH601	6' Rubber Boot



ELBOW ADAPTER OPTION

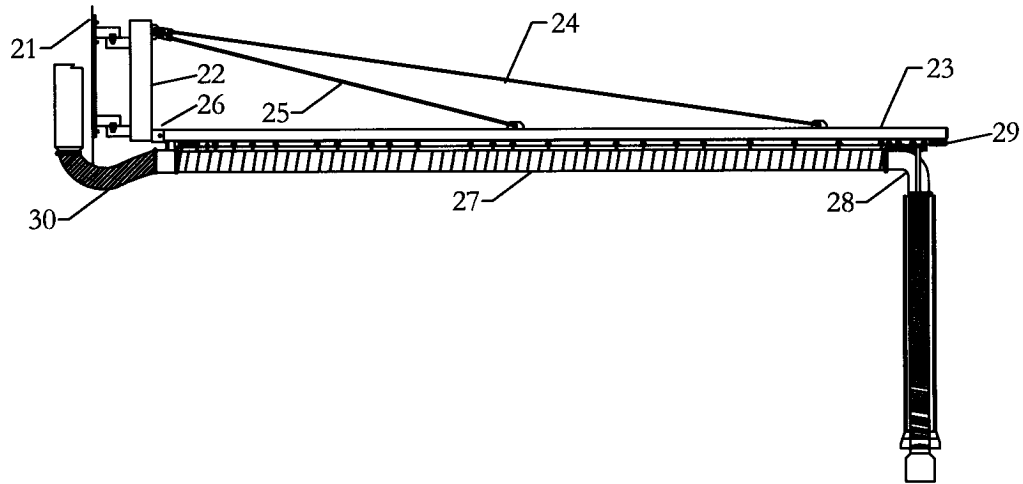
19	EA101	Capture Hood with Rubber Wrap and Connection Peg
20	EA102	Lifting Pole



OPTION PARTS LIST, CONTINUED

PIVOT BOOM ASSEMBLY

	21	PB101	Pivot Plate	26	PB106	Bolt Assembly, Horizontal Arm to Pivot Plate
	22	PB102	Pivot Swivel	27	PB107	Compressible Hose with Rollers, specify length
	23	PB103-??	Horizontal Boom Arm w/ Track, specify length	28	PB108	Trolley Assembly
	24	PB104-??	Outside Support Arm, specify length	29	PB109	End Stop with Spring
	25	PB105-??	Inside Support Arm, specify length	30	PB110	Flex Connector, Pivot Swivel to Duct



TRACK-RAIL ASSEMBLY

31	TR101	Track Rail Section (20' Length)	36	TR106	Roller Assembly, Horizontal Hose
32	TR102	Track Rail Coupler	37	TR107	6" Hose Clamp
33	TR103	End Stop Kit w/ Spring	38	TR108	End Stop Kit w/o Spring
34	TR104	Trolley Assembly	39	TR109	Trolley-to-Holster Connection Strap with Hardware
35	TR105-??	Horizontal Hose (Specify Length)			

