snorkel

UL40
UL32
UL25



Serial Number UL25-01-060166 and after
Serial Number UL25-01-060167 and after
Serial Number UL32-01-060036 and after
Serial Number UL32-01-060037 and after
Serial Number UL40-01-060200 and after
Serial Number UL40-01-060201 and after

PARTS & SERVICES
MANUAL

Part Number 515066-200
July 2017

MidWestTech | Snorkel UL40, UL32, UL25 Push-Around Vertical Mast Lift Parts and Service... Order the manual at mid-west-tech.com >

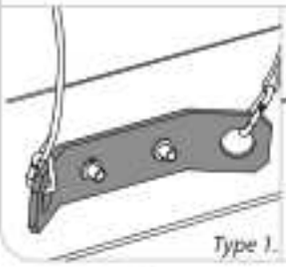
SAFETY NOTICE

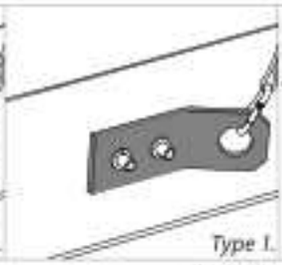
Harness attachment points are provided in the platform and the manufacturer recommends the usage of a fall restraint harness, especially where required by national safety regulations.

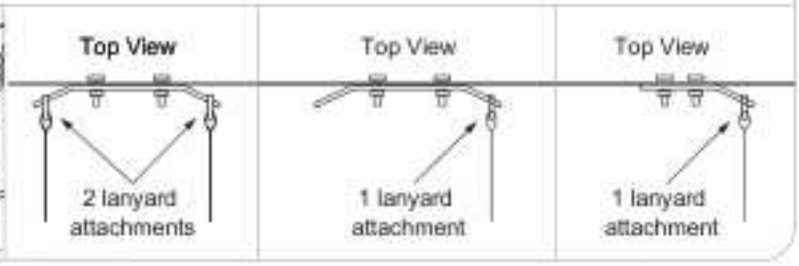
All harness attachment points on SNORKEL vehicles have been tested with a force of 3,650 lbs (16.3 KN) per person.

See below examples of harness attachment points used on SNORKEL vehicles with their corrosponding rating;

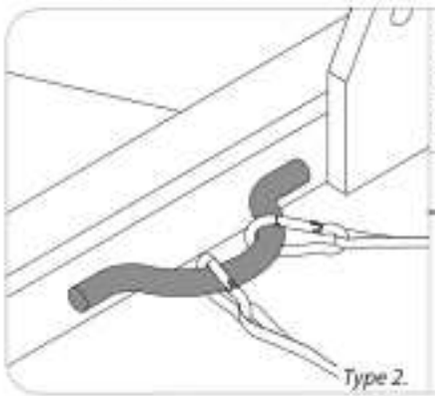
Harness attachment point ***Type 1.*** is rated for one lanyard attachment per loop as shown in the illustrations depending upon platform occupancy rating *(see operators manual & decals).*

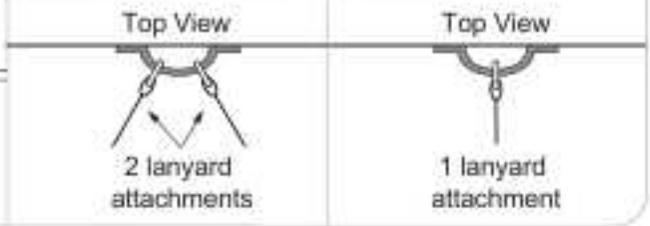




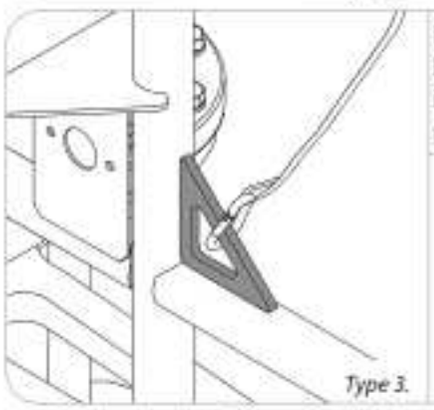


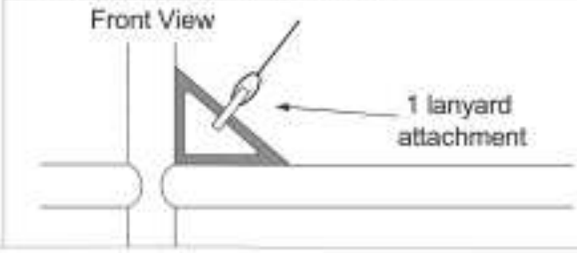
Harness attachment point ***Type 2.*** is rated for two lanyard attachments per loop as shown in the illustrations depending upon platform occupancy rating *(see operators manual & decals).*





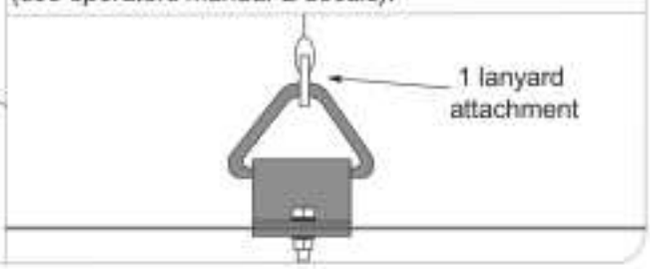
Harness attachment point ***Type 3.*** is rated for one lanyard attachment per loop as shown in the illustrations depending upon platform occupancy rating *(see operators manual & decals).*





Harness attachment point ***Type 4.*** is rated for one lanyard attachment per loop as shown in the illustrations depending upon platform occupancy rating *(see operators manual & decals).*





NOTE: There can be more harness attachment points per machine than the maximum number of occupants allowed in a platform. Refer to the platform decal & specifications table listed in the operators manual for the correct occupancy rating before use.

UL25/UL32/UL40

Order the manual at mid-west-tech.com >

3. Slide #4 mast out of #3 mast. As mast is removed, the bottom four mast bearings will fall out; note their orientation for re-assembly.
4. Disconnect the chain from the top of the #2 mast.
5. Remove the cylinder by following instructions provided under the section named "CYLINDER ASSEMBLY".

#3 MAST

1. Remove the sequence strap retainer on the top of #1 mast.
2. Remove the Allen head screws holding the top mast bearings between the #2 and #3 mast. Remove the top mast bearings.
3. Slide #3 mast out of #2 mast. As mast is removed, the bottom four mast bearings will fall out. Its important to note their orientation for re-assembly.

#2 MAST

1. Remove the Allen head screws holding the top mast bearings between the #1 and #2 mast. Remove the top mast bearings.
2. Slide the #2 mast out of the #1 mast. As mast is removed, the bottom four mast bearings will fall out. Its important to note their orientation for re-assembly.

MidWestTech | Snorkel UL40, UL32, UL25 Push-Around Vertical Mast Lift Parts and Se... Order the manual at mid-west-tech.com >

FASTENERS

Use the following values to torque fasteners used on Snorkel work platforms unless a specific torque value is called out for the part being installed.

Thread size (American National Standard-UNF (fine))	Width across flats	Torque value			
		Imperial		Metric	
1/4	7/16	110	IN/Lbs	12	Nm
5/16	1/2	190	IN/Lbs	22	Nm
3/8	9/16	30	Ft/Lbs	41	Nm
7/16	5/8	50	Ft/Lbs	68	Nm
1/2	3/4	75	Ft/Lbs	102	Nm
5/8	15/16	150	Ft/Lbs	203	Nm
3/4	1(1/8)	250	Ft/Lbs	339	Nm
7/8	1(5/16)	400	Ft/Lbs	542	Nm
1	1(1/2)	600	Ft/Lbs	813	Nm

Table 3-5: Bolt Torque.

MidWestTech | Snorkel UL40, UL32, UL25 Push-Around Vertical Mast Lift Parts and Se... Order the manual at mid-west-tech.com >

4. Fill hydraulic reservoir through the dipstick hole with ISO #46 hydraulic fluid. The hydraulic reservoir has a 5.7 litres (1.5 U.S. gallon capacity. Ensure that the oil is visible on the end of the dipstick.

BATTERY MAINTENANCE - DC UNITS ONLY

Electrical energy for the motor is supplied by a 12 volt battery. Proper care and maintenance of the battery and motor will ensure maximum performance from the lift.

WARNING

Hazard of explosive gas mixture. Keep sparks, flames and smoking materials away from batteries.
Always wear safety glasses when working with batteries.
Battery fluid is highly corrosive. Rinse away any spilled fluid thoroughly with clear water.

BATTERY INSPECTION AND CLEANING

Check the battery fluid level daily, especially if the work platform is being used in a warm, dry climate. If required, add distilled water only. Use of tap water with high mineral content will shorten battery life.

WARNING

If the battery water level is not maintained, a full charge cannot be achieved. This will create a low discharge rate which will damage the motor/pump unit and void the warranty.

The battery should be inspected periodically for signs of cracks and in some cases, electrolyte leakage and corrosion of the terminals. Inspect cables for worn spots or breaks in the insulation and for broken cable terminals.

Clean battery that shows signs of corrosion at the terminals or onto which the electrolyte has overflowed during charging. Use a baking soda solution to clean the battery, taking care not to get the solution inside the cells. Rinse thoroughly with clear water. Clean battery and cable contact surfaces to a bright metal finish whenever a cable is removed.

BATTERY CHARGING

Charge the battery at the end of each work shift or when the battery has been discharged; whichever occurs first.

CAUTION

*Charge the battery in a well ventilated area. **DO NOT** charge the battery when the lift is in an area containing sparks or flames.*
Permanent damage to the battery will result if not immediately recharged after discharging.
***NEVER** leave the charger operating unattended for more than two days.*
***NEVER** disconnect cables from the battery when the charger is operating.*
Keep the charger dry.

MidWestTech | Snorkel UL40, UL32, UL25 Push-Around Vertical Mast Lift Parts and Se... Order the manual at mid-west-tech.com >

DC power unit identification



MidWestTech | Snorkel UL40, UL32, UL25 Push-Around Vertical Mast Lift Parts and Service... Order the manual at mid-west-tech.com >