



RIDE Inc. Snubscope Procedures

2018



Special Instructions/Conditions of Use

Reading user procedure manual prior to use is essential

Only persons that have been deemed competent in the operation of the system should operate the system

Snubscope
2018 09 13



Ride Inc. Manuals & Supplements Inserts Table of Contents Page

This manual is intended to provide information for the guidance of the rig worker. Accuracy of content cannot be absolutely guaranteed. Anyone who needs to rely on any Particular subject in this manual is advised to verify it independently by contact your RIDE Inc. representative. Information presented here is subject to change, and RIDE Inc. Reserves the right to make changes to these manuals or procedures without notice. This Manual is subject to change as we improve or modify our products.

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Main Procedures Manual.....1.

Please visit our website for the latest manual revisions & parts list

Actual product specifications may vary, and features, functionality and other product Specifications are subject to change without notice or obligation.

Manuals & Amendments can be downloaded from our website: rideinc.com

RIDE Inc. recommends that a function test be performed upon rig up and/or if the system Setup has been manipulated in any way.



RIDE Inc. Snubscope Procedures

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RIDE Inc. recommends that a function test be performed upon rig up and/or if the system setup has been manipulated in any way.



i.) Specifications:

- Weights:
 - 16 lbs (7kg) trolley
 - 158 lbs. (72 kg) Magnegress
 - 37 lbs. (18 kg) tension link
 - 83 lbs. (40 kg) Bear Claw park-on anchor
 - 166 lbs. (79 kg) Bear Claw double park-on anchor.
- Capacity - 310 lbs (140 kg) – 1 person

Maximum allowable wind speed for Snubscope operation:

- : 58 mph - 50 knots - 93 kph

Anchor requirements:

- **Ground Anchor must resist 3,600 lbs. (1633 kg) @ 30° upward angle.**

Cable Life:

- **Maximum cable life 3 years.**
 - No cable should be used if frayed or damaged in anyway.
 - To ensure maximum cable life, keep cable well lubricated with appropriate “cable” lubricant.



Waivers

Warning: This product is part of an emergency descent system. The user must follow manufacturer's instructions for each part of the system. These instructions must be provided to the user of this equipment. The user must read & understand these instructions before using this equipment. Manufacturer's instructions must be followed for proper use & maintenance of this equipment. Alterations or misuse of this equipment, or failure to follow instructions, may result in serious injury or death.

Important: If you have questions on the use, care or suitability of this equipment for your application, contact RIDE Inc. **(780-621-1570)**

Warning: Do not use a body belt with this equipment. Body belts do not support your entire body, which may result in serious injury or death.

Warning: It is the responsibility of the user & purchaser of this equipment to be trained in the correct care & use of this equipment. The user & purchaser must be aware of the operating characteristics, application limits & consequences of improper use of this equipment.

Warning: Training must be conducted without exposing the trainee to a fall hazard. Training should be repeated on a periodic basis.

Inspection: A formal inspection should be completed if the system parameters are changed, such as after a system is moved, re-rigged or the anchorage is moved or should an upset condition should arise.

A visual inspection must be done by the user before every use.

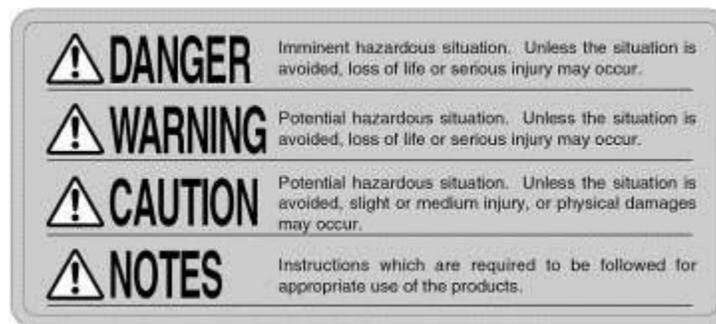


1. Safety Warnings

- 1.1. Read these warnings carefully before inspecting, setting up, installing, using, or tearing down the Magnegress-Snubscape system.
 - 1.1.1. Wear mandatory personal protection equipment at all times.
 - 1.1.2. Do not attempt to lift or move the Magnegress by yourself.
 - 1.1.3. Use proper lifting techniques when inspecting, setting up, installing or tearing down the Magnegress-Snubscape system.
 - 1.1.4. Watch for pinch points when inspecting, setting up, installing, using, or tearing down the Magnegress-Snubscape system.
 - 1.1.5. Watch for tripping hazards when inspecting, setting up, installing, using, or tearing down the Magnegress-Snubscape system.
 - 1.1.6. Do not use the Magnegress-Snubscape system unless you are wearing a safety harness and are secured only to the trolley fall-arrest.
 - 1.1.7. This device is designed for single occupancy only
 - 1.1.8. Do not use if cable, trolley or anchor is damaged.

1.2. Instructions in this manual

- 1.2.1. The instructions in this manual are classified into “DANGER”, “WARNING”, “CAUTION” and “NOTES”, according to the degree of risk and hindrance.





2. Setup

2.1. Checklists

2.1.1. Create a copy of the checklist on the following page & use for your records.

Checklist

Section	Setup Check List	Daily Check List
2.2.	Choosing Cable Length _____	_____
2.3.	Docking Station _____	Mounting Nut & Bolt _____
2.4	Magnegress Placement _____	Landing Area Clear _____
2.5.	Park-On Anchor Assembly _____	Support Weight on Anchors _____
2.7.	Magnegress Cable Installation _____	Installed on Correct Sheave _____
2.8.	Tension Indicator _____	Tension Checked _____
2.9.4.	Magnegress Cover Plate _____	All 3 Pins in Place _____
2.10.	Trolley _____	Positioned Correctly on Cable _____
2.11.	Tri-Handle _____	Mounting Bolt Safety Pin Installed _____
2.11.2	SRL _____	Function Test SRL _____

Print Name _____

Signature _____

Date _____



2.2. Choosing cable

Platform Height

- 26ft (8m) to 39ft (12 m)
- 39ft (12 m) to 46 ft (14 m)
- 46 ft (14 m) to 66 ft (20 m)



Flemish eye

Cold Swage

2.2.1. Inspect the cable for frays, kinks or any other damage. Check the Flemish eyes & cold swages for damage or wear.

Danger: Do not operate system with cable including the Flemish & swage that is in any way damaged.

Note: Call your local distributor for replacement cable.



2.3. Docking Station

2.3.1. Method 1: installing cable into docking station then installing docking station.



2.3.1.1. Ensure the spring clip is installed correctly & undamaged in the docking station magnetic pocket.

2.3.1.2. Check the magnet side of the pocket for debris or damage to the magnet.



2.3.1.3. Fasten a hoisting sling securely around the docking station, attach the assembly to the winch & tag line. (If mounting the docking station without the cable proceed to 4.2.3.)



2.3.1.4. Remove sheave gate safety pin.



2.3.1.5. Open sheave gate & slide out sheave assembly.

2.3.1.6. Check that the sheave rotates freely on the shaft.

2.3.1.7. Confirm the spring clip is installed correctly & undamaged.



- 2.3.1.8. Create a 180° return bend on cable and push it through the underside of the Snubscope docking station until the 180° return bend is exposed about 6” through the sheave gate opening.



- 2.3.1.9. Insert sheave inside the 180° back bend & line up the flats on the sheave shaft to the slots in the docking system.

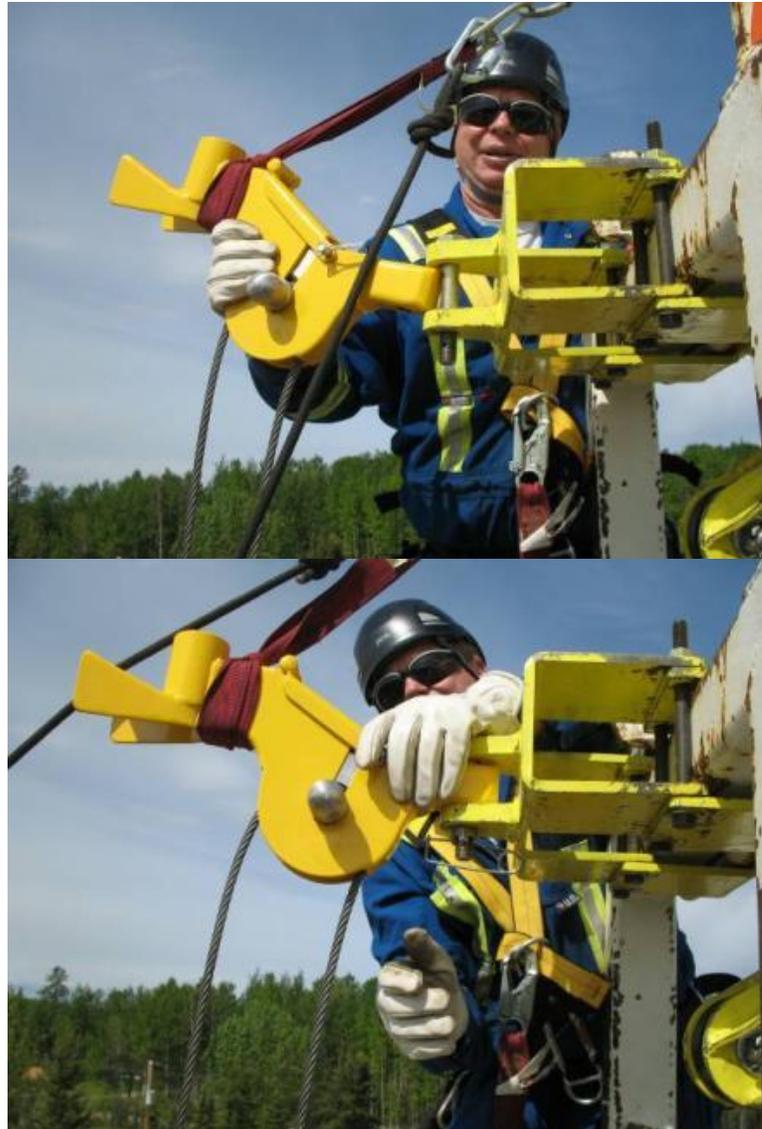


2.3.1.10. Draw or pull both the cable & sheave until the sheave pin is completely bottomed out in the slot.



2.3.1.11. Flip down the sheave gate into its closed position & install the safety pin.

2.3.1.12. Winch docking station to the mounting position mounted on the platform.



Warning: Ensure clear communication between the winch operator & the person installing the docking station.

2.3.1.13. Mount the docking station to the platform's mounting point. Use the supplied bolt, nut & safety pin.

2.3.1.14. Remove the hoisting sling from the docking station.



2.3.2. **Method 2:** Connecting cable after mounting docking station.



2.3.2.1. Mount the docking station to the platform's mounting point. Use the supplied bolt & safety pin.

2.3.2.2. Remove the hoisting sling from the docking station.



2.3.2.3. Fasten a hoisting sling securely to the cable leaving approximately 6 ft (2.8 m) of tail.

Warning: Potential sheave dropping, pinch points, overhead hazards for people below, body positioning & fall restraints hazards.



2.3.2.4. Winch the cable to the docking station.



- 2.3.2.5. Remove sheave gate safety pin.
- 2.3.2.6. Ensure the spring clip is installed correctly & undamaged in the docking station magnetic pocket.
- 2.3.2.7. Check the magnet side of the pocket for debris or damage to the magnet



- 2.3.2.8. Open sheave gate & slide out sheave assembly.
- 2.3.2.9. Check that the sheave rotates freely on the shaft.
- 2.3.2.10. Confirm the spring clip is installed correctly & undamaged.



2.3.2.11. Create a 180° return bend on cable and push it through the underside of the Snubscape docking station until the 180° returning bend is exposed about 6” through the sheave gate opening.



2.3.2.12. Insert sheave inside the 180° back bend & line up the flats on the sheave shaft to the slots in the docking system.



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- 2.3.2.13. Draw or pull both the cable & sheave until the sheave pin is completely bottomed out in the slot.



- 2.3.2.14. Flip down the sheave gate into its closed position & install the safety pin.

Warning: Potential strain, tripping, overhead & pinch point hazards.



2.4. Magnegress Placement



- 2.4.1.1. Walk until the cable equalizes. The cable should have a slight tension to the feel. Mark the end of the cable loop on the ground with the heel of your boot. The cable can be walked out 80° either side of center. Walk the cable back until the cable has slackened.

Warning: Releasing the cable while still under tension from the anchor position could harm personnel and/or damage equipment.



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2.4.2. Follow the steps below for the Bear Claw anchor system.



Caution: The Magnegress weighs 158lbs. (72 kg).



2.4.3. Position the back of the Magnegress frame approximately in line to your mark on the ground.



2.4.4. Remove the protective cover, exposing the Magnegress system.



- 2.4.5. Remove the long adjustment bolt from the receiver tube on the Magnegress frame & the short stopper bolt from the tension link.



- 2.4.6. Install the tension link into the receiver tube from the back side of the Magnegress. Turn the pinion hand wheel clockwise to draw the tension link into the receiver tube until the stopper bolt hole is fully exposed on the front side of the receiver tube.



2.4.7. Insert the stopper bolt, nut & safety pin.

Note: Rack notches face up & towards the pinion hand wheel.
Installation of tension link to receiver tube is made easier with two people.



2.5. Bear Claw double park-on anchor assembly



Caution: Bear Claw anchor weighs 85 lbs (39kg) per component.

Danger: The anchor must meet or exceed the Snubscape manufacturer's specifications:

- Anchor — capable of resisting a pull of 3,600 lbs. (1633 kg) @ 30° upward angle as per engineered specifications



2.5.1. Position the Bear Claw park-on anchor so it attaches to the tension link & install anchor bolt through tension link. Install nut & safety pin.

Warning: The Bear Claw double park-on anchor is designed to work only one way. The single ear on the front of the front anchor is for the tension link. A double ear on the rear of the front anchor & a double ear on the front of the rear anchor are for the joiner cable to



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be installed between the Bear Claws with the supplied bolts. The rear Bear Claw anchor can only be used with the joiner cable to the front anchor. Never connect the rear Bear Claw anchor directly to the tension link.



- 2.5.2. Position the secondary Bear Claw park-on anchor so it attaches to the joiner cable & install joiner cable bolt through two ears capturing the cable between them. Install nut & safety pin.



- 2.5.3. Drag the rear Bear Claw anchor back away from the front anchor until the cable becomes taut.



2.5.4. Align the Magnegress system to the top anchor point.



2.5.5. Secure 2200 lbs. (1000kg) onto the Bear Claw double park-on anchor.

Note: If using a truck ensure both front wheels engage onto both of the anchor's saddles at the same time.

Note: The truck may have to be rocked forward & back slightly to securely seat the Bear Claws of the anchor into the soil.

Danger: Ensure all company lock out procedures are performed on the anchoring vehicle.



2.5.6. Alternatively Drive on with the aid of a block.



2.6. Pour-in Concrete Anchor Placement



2.6.1. Raise the transportation legs prior to placement



2.6.2. Position the front of the anchor approximately in line to your mark on the ground.



2.7. Magnegress Cable Install



2.7.1. Remove the sheave cover plate from Magnegress brake housing.

Note: Ensure that the cover plate & pins do not become engulfed in foreign debris. Eg: mud, ice, packed snow.



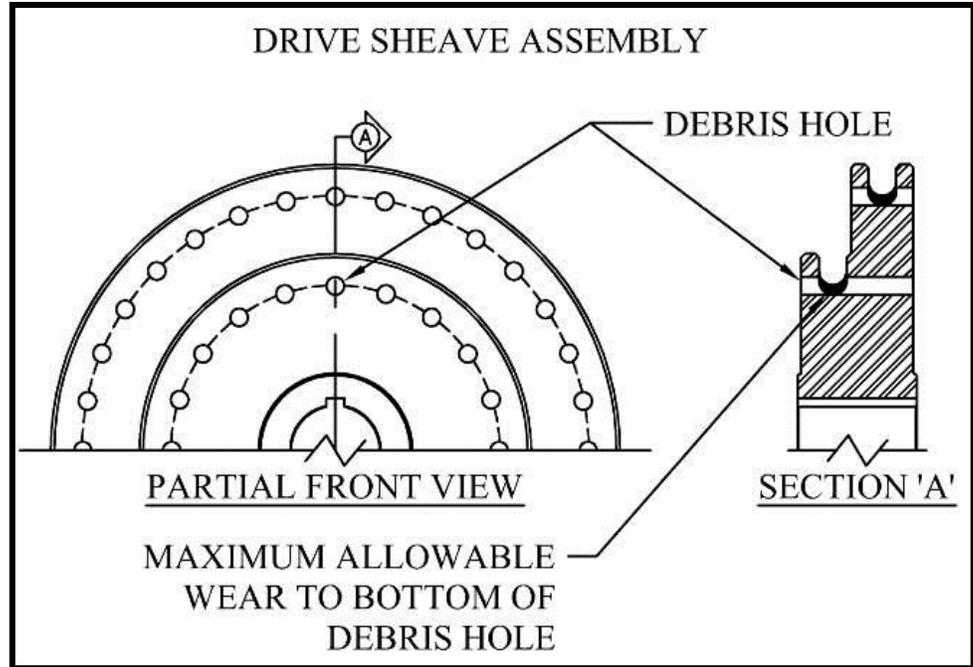
2.7.2. Standing directly in line with the Snubscope docking station, ensure the cable is not twisted, by holding each part of the looped cable in each hand & extending your arms out to your sides spreading the looped cable apart.



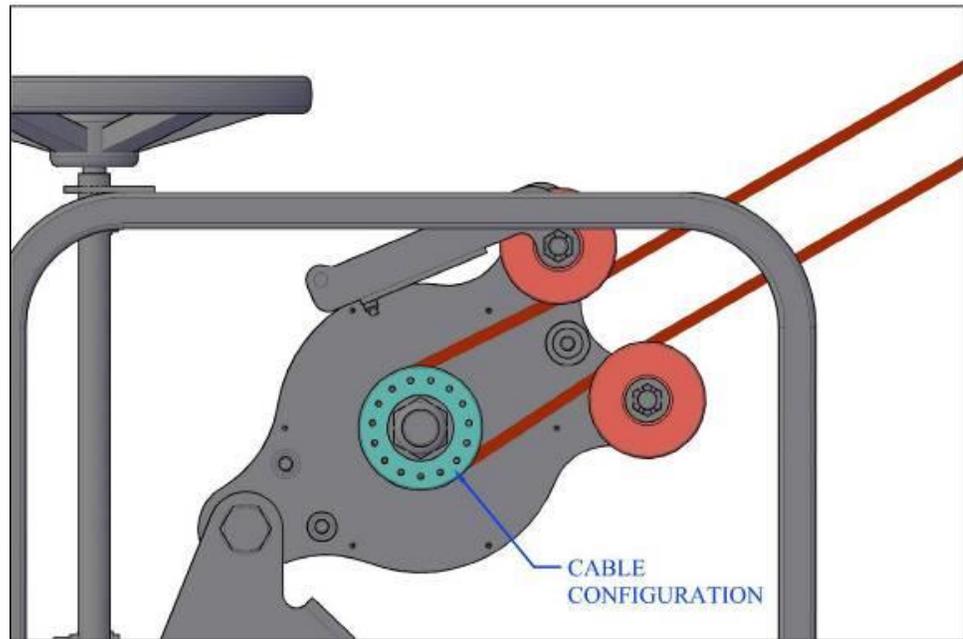
2.7.3. Keeping the cable separated grasp cable firmly & walk towards the desired anchor position.



2.7.4. Install the cable on the proper sized sheave as per cover plate decal.



2.7.5. Check the drive sheave debris holes for debris &/or wear.



2.7.6. Cable thread configuration



Flemish Eyes
On Top Cable

2.7.7. Create a 180° return bend on cable and insert it around the drive sheave & in between the idler sheaves of the Magnegress. Ensure the Flemish eyes are on the upper cable travelling to the top of the top sheave.



2.7.8. Cable must line up with corresponding idler sheave grooves when installed on the drive sheave.

Danger: Incorrect setup could result in a serious injury.

Warning: Never grab the Flemish eye cable connections directly. The 2 Flemish eye contact areas are an extreme pinch point area.

Warning: Check the cable for twist.



2.8. Tension Indicator



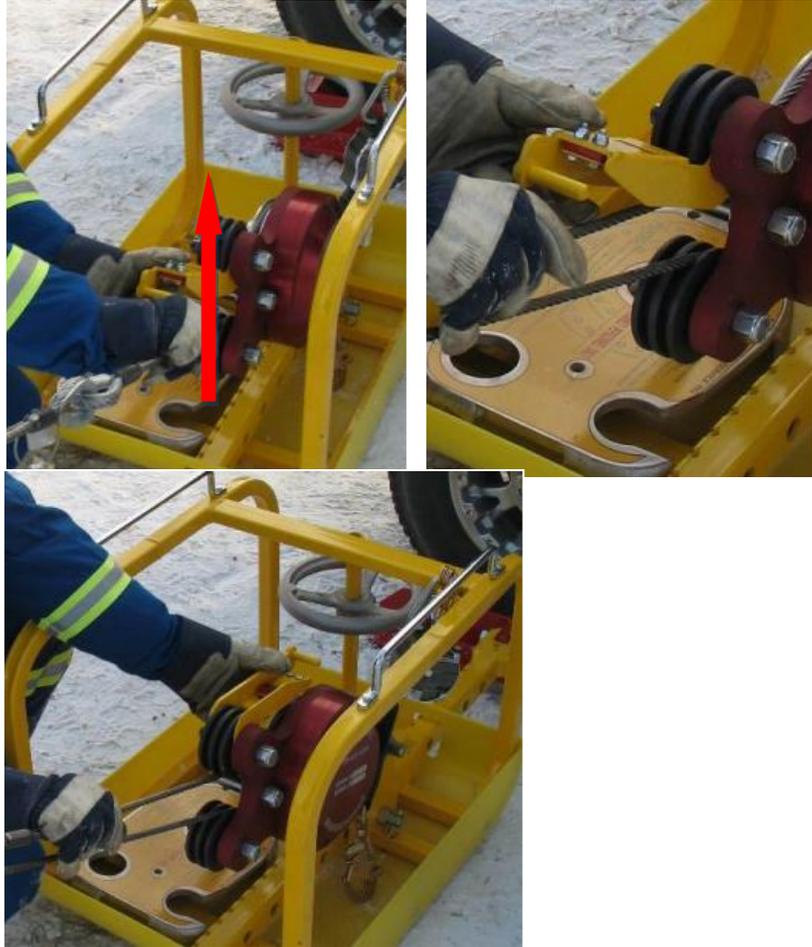
2.8.1. Rotate out the tension indicator. Side slip the cable across the back stop pin until the cable slips to the top of the back stop pin.



- 2.8.2. Turn the pinion hand wheel clock-wise, move the brake assembly towards anchor there by tightening the cable, tighten until the indicator pad becomes flush with the top face of the tension indicator. When the two hole line up, insert the adjustment bolt, install the nut and safety pin.

Warning: Never stick anything except the supplied bolts into the adjustment bolt holes.

Note: It is recommended to go to the next tighter hole in the tension link if the receiver tube hole is between holes.



2.8.3. Again, side-slip the tensioned cable off of the back stop pin.



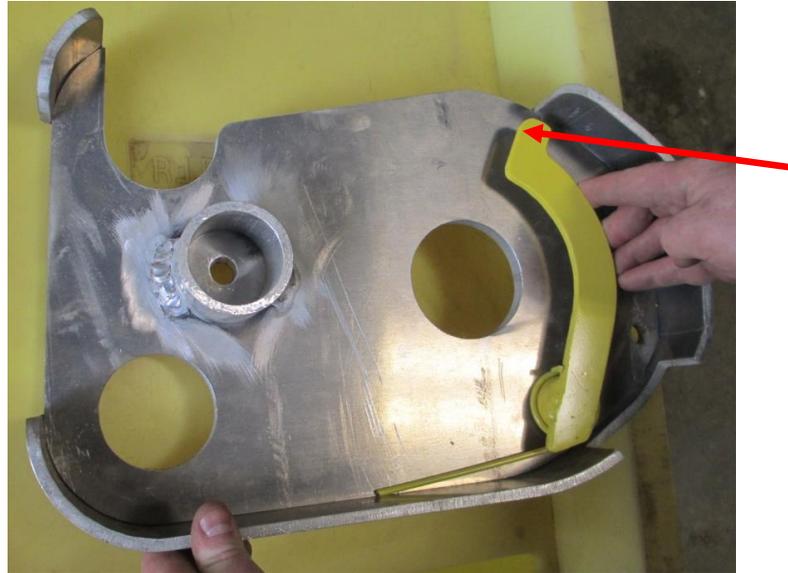
2.8.4. Rotate the tension indicator back into the stored position.



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2.9. Magnegress Override-Brake Setup

2.9.1. After the cable is installed onto the Magnegress begin the Magnegress Override-brake procedures.



2.9.2. With the cover off check that the brake pad moves freely & that the spring returns the pad to its resting position against the back plate of the cover (arrow).



2.9.3. Place the cover onto the Magnegress brake system.



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2.9.4. Insert all three cover safety pins.

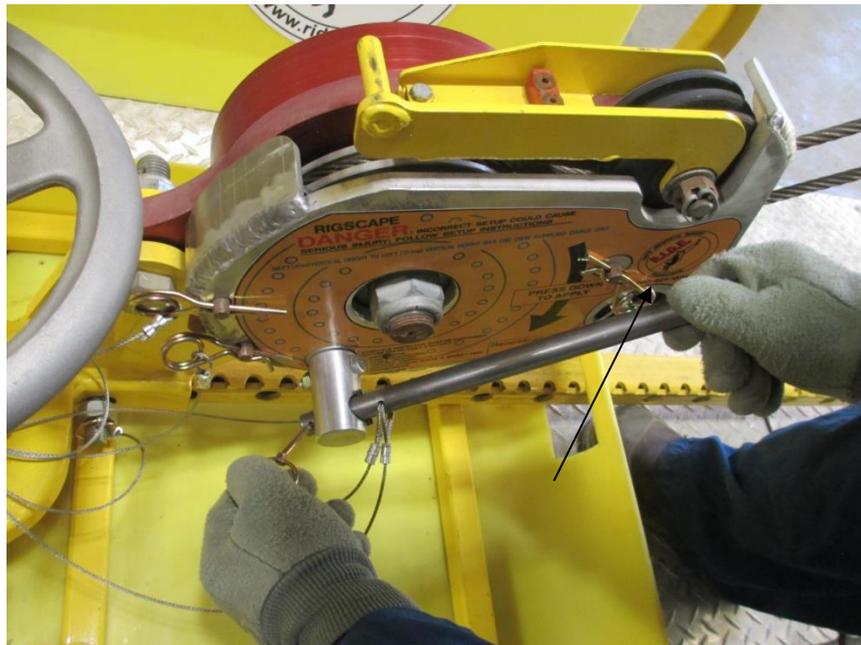
2.9.5. The following steps are only required when the override-brake is required.



2.9.6. Check to see that the spring pin is properly inserted into the override-brake handle.



2.9.7. Insert handle into the override-brake hub.



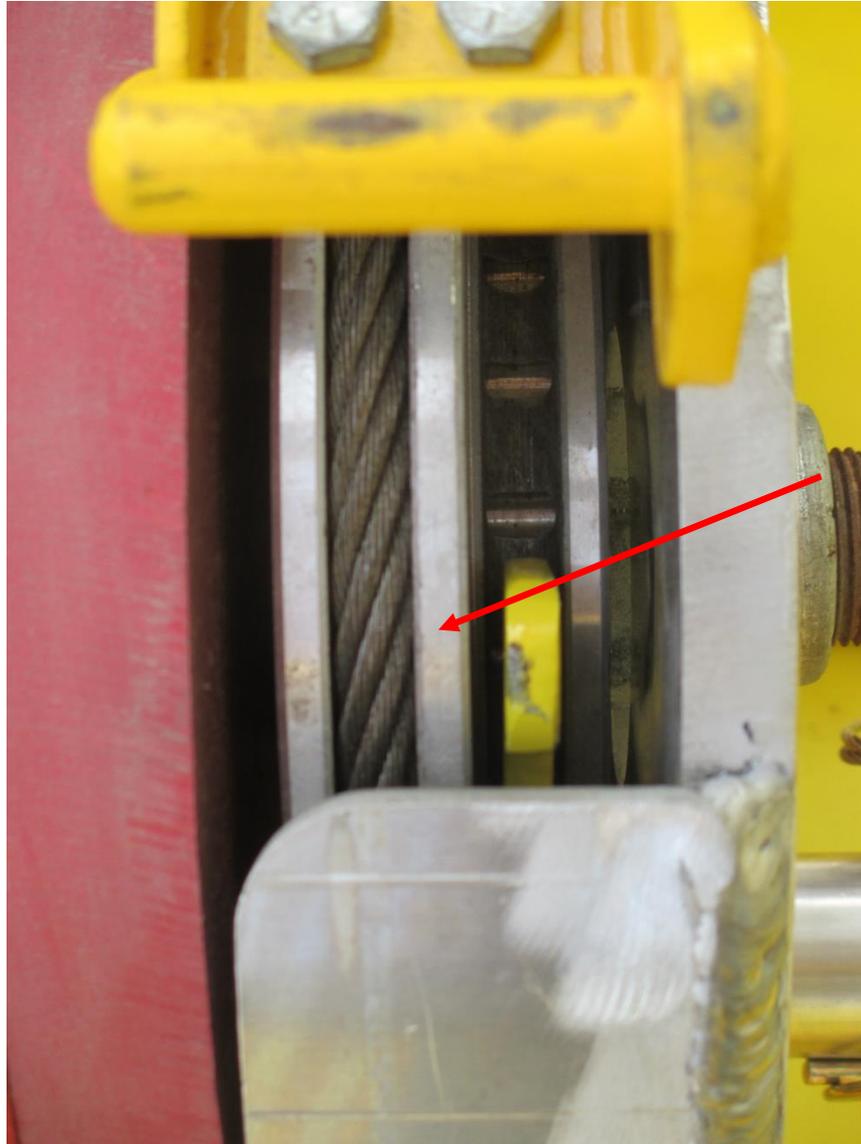
2.9.8. Insert safety pin into the back side of the handle.



2.9.9. This is a view of the assembled override-brake with handle installed.



2.9.10. Apply pressure on the handle as in the direction indicated on the Magnegress cover.



2.9.11. The override brake pad (arrow) should ride the center of the outer sheave.

Note: Cover plate will not fit on the Magnegress housing if something is not properly in place. If this happens check cable orientation on sheave, tension indicator orientation or debris.

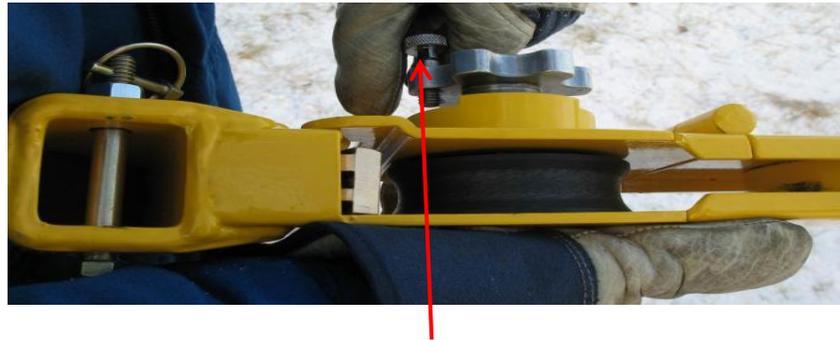
Danger: All 3 cover plate pins must be installed during operation.



2.9.12. Re-install the Magnegress protective cover.

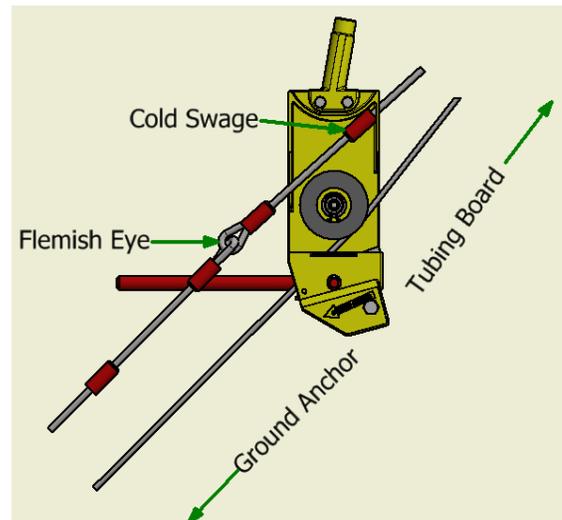


2.10. Trolley



2.10.1. Pull & turn the lock-pin knob to lift the locking pin out of the locking pin opening.

2.10.2. Rotate the sheave gate knob on the trolley counter clockwise until the knob becomes completely disconnected from the threaded shaft.



2.10.3. Place the cold swage, located on the upside or tubing board side of the Flemish eye, inside the trolley, above the sheave. Insert the lower cable inside the trolley as well but underneath the sheave. (arrow points towards Magnegress).

Caution: Ensure Flemish eye swage is not getting pinched in between the gate & body while tightening the sheave gate knob.

Danger: The cold cable swage must become trapped inside the trolley on the top side of the sheave.



2.10.4. Close the sheave gate & tighten the sheave gate knob clockwise until snug. Turn the lock-pin knob until it drops into the lock position (DO NOT use wrenches to tighten). Inspect the sheave gate's locator flap for damage & for proper fit.

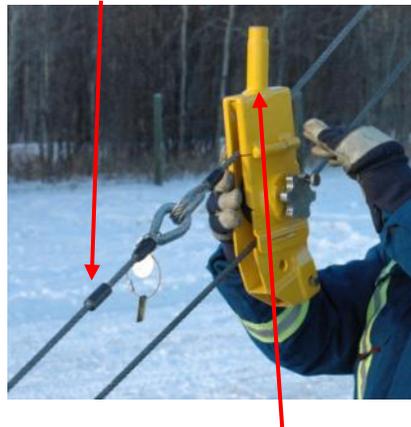
Note: The sheave gate knob may have to be rotated counter-clockwise slightly to allow for the lock pin to engage.

Caution: Ensure Flemish eye swage is not getting pinched in between the gate & body while tightening the sheave gate knob.

Danger: The cold cable swage must become trapped inside the trolley on the top side of the sheave.

Note: The OEM cable has a swage on either side of the Flemish eye. This allows for the initial setup of the cable on the docking station sheave to be orientated either way. This ensures that a cable swage will always be on the top side of the Flemish eye.

Note: If the trolley is mounted on the bottom swage this will impede on the docking of the trolley.



2.10.5. Check the docking pin for debris or damage.

2.11. Tri-handle



2.11.1. Insert the tri-handle into the trolley receiver tube & install the keeper bolt, nut & safety pin.



2.11.2. Attach the SRL (Self-Retracting Lanyard) into the SRL anchor point at the end of the tri-handle shank.



Danger: Inspect SRL device as per the manufacturer's specification.



2.11.2.1. Pulling the lower cable towards the Magnegress & pulling the upper cable towards the docking station will propel the trolley up to the person at the docking station waiting to guide it into place.



2.11.2.2. Guide the docking pin on the trolley housing into the docking station's receiver tube.



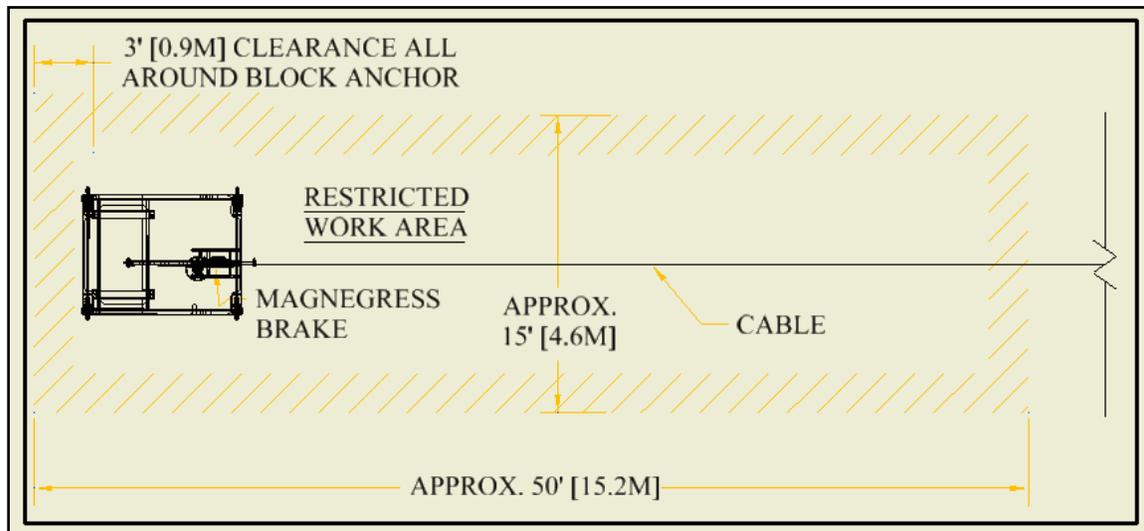
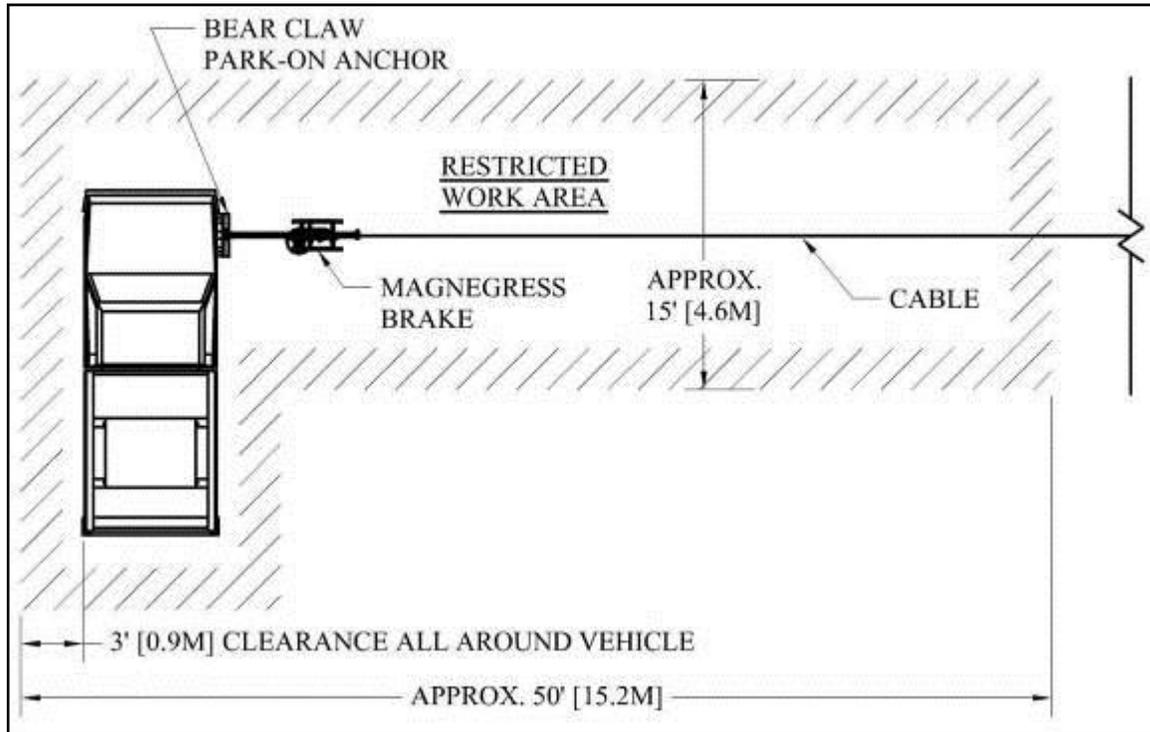
- 2.11.3. Upon entering onto the working platform the SRL must be connected to a certified harness on the rear shoulder-height D-Ring before disconnecting from the platform mounted fall-arrest.
- 2.11.4. It is very important that you connect before you disconnect. Connect to the fall-arrest on the Snubscope Trolley. Once you confirm the connection is secure you may disconnect from the platform mounted fall-arrest.

Danger: You must not be tied off to anything other than the Snubscope trolley at this point.



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2.11.5. Establish and clear restricted work area.



Danger: Ensure all personnel and operators of vehicles or equipment are aware of the cable, block anchor or anchoring vehicle and restricted area.

Danger: Ensure all company lock out procedures are performed on the anchoring vehicle.

Note: Nylon ribbon may be attached to the cable as a visual aid.



3. Operation

3.1. Safety notes reminder

- 3.1.1. **Read these warnings carefully before inspecting, setting up, installing, using, or tearing down the Snubscape system.**
- 3.1.2. **Wear mandatory personal protection equipment at all times.**
- 3.1.3. **Use proper lifting techniques when inspecting, setting up, installing, or tearing down the Snubscape system. Refer to Specifications (i.) for product weights.**
- 3.1.4. **Watch for pinch points when inspecting, setting up, installing, using, or tearing down the Snubscape system.**
- 3.1.5. **Watch for tripping hazards when inspecting, setting up, installing, using, or tearing down the Snubscape system.**
- 3.1.6. **Do not use the Snubscape system unless you are wearing a safety harness and are secured only to the Snubscape fall-arrest.**
- 3.1.7. **This Snubscape is designed for single person only.**
- 3.1.8. **Never drive over your cables**
- 3.1.9. **Double check the system every day if set up for extended periods between moves.**
- 3.1.10. **Ensure all personnel and operators of vehicles or equipment are aware of the cable, anchor, anchor vehicle and restricted area.**
- 3.1.11. **An investigation must follow any and all incidents to determine the cause and the corrective actions to be taken. Notify the manufacturer, RIDE Inc. at 780-621-1570.**



3.1. General Operations

Caution: The pre-shift inspection must be conducted by the person riding the Snubscap e system before every shift

3.1.1. Turn, grasp the tri-handle.



3.1.2. Applying weight to the tri-handle releases the trolley from the docking station. The Magnegress brake will automatically control your descent.



3.1.3. Undocking using overhead fall-arrest.



3.1.4. If the worker uses the overhead fall-arrest, his weight will disengage the trolley from the docking station.

Caution: The tri-handle should be used in all situations to prevent unnecessary strain on the fall-arrest system.

3.1.5. Record every run of the Snubscope system in the Descent log supplied at the back of the manual.



4. Teardown

- 4.1. This procedure assumes the Snubscape is still attached to the platform. If the Snubscape has been run down to the ground, then continue with Step 4.4 of this procedure.

Option A:

- 4.2. Ride the Snubscape down to the ground.

Option B:

- 4.3. Undock trolley from docking station & leave suspended on line.
- 4.4. From ground position pull trolley down with cable using the hand over hand technique.
- 4.5. Remove the SRL from the tri-handle & uninstall the tri-handle from the trolley by removing the keeper bolt, nut & safety pin.
- 4.6. Pull the lock-pin knob then turn to the unlocked position & loosen the trolley sheave gate knob until the gate is opened. **Caution:** Watch for pinch points when removing trolley from cable.
- 4.7. Remove the upper & lower cable from inside the trolley housing. Remove the Magnegress housing cover plate & the 3 cover plate keeper pins. Turn the pinion hand wheel clock-wise to remove tension on the adjustment bolt at this point, a second person should be used to remove the adjustment bolt. Then turn the pinion wheel counter clock-wise all the way to the stopper bolt to loosening the cable.

Caution: Watch for pinch points when removing the cable.

- 4.8. Remove the cable from the Magnegress brake housing.

Warning: Releasing the cable while still under tension from the docking station could slide fast & hit personnel and/or equipment.

Note: A tear down inspection as per SECTION 3 of this manual is good practice

- 4.9. Install the Magnegress housing cover plate & re-install the 3 cover plate keeper pins.



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- 4.10. Remove the tension link stopper bolt, nut & safety pin.
- 4.11. Uninstall the tension link from the receiver tube from the back side of the Magnegress housing receiver tube. Turn the pinion hand wheel counter clockwise to push the tension link out & remove link.
- 4.12. Remove the tension link from the anchor system. Reinstall the bolts, nuts & safety pins at each end of the tension link.
- 4.13. If using the bear claw anchor, drive off the anchor.
- 4.14. Using two or more people move the 85 lbs (39 kg) anchor & the 125 lbs (57 kg) Magnegress system to their transportation/storage location.



5. Descent Log

- 5.1. Every time the Snubscape system is used, its use must be recorded in a Descent log.
- 5.2. The Log must accompany the Snubscape system when it goes for its annual inspection / certification.
- 5.3. Sample decent log on following page.



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6.4	Ensure the logs are up to date and accompany the system when sent in for the 3 year inspection.									
R.I.D.E. Inc.										
Descent Log										
Trolley Serial # _____					Magnegress Serial # _____					Rig # _____
Company Contact _____					Phone # _____					
Date	Rider			Authorized by			Application use			
	Name (print)	Signature	position	Name (print)	position	Signature				
Inspection and Maintenance Reminders:								Application Code		
1. 1 year from in service date a visual inspection require by a qualified person authorized by Manufacture & documented								:Training		
2. Structural Inspection every 3 years. (by a qualified person authorized by Manufacture & documented)								:Emergency		
3. Inspect sheaves for wear as indicated on the side plate and/or in the manual								:Rig out		
4. Inspect cable for wear or damage.								RO		



6. Appendix

6.1. Orientation Sign-off

6.1.1. Print, sign your name and date at the bottom of the page in the space provided, indicating that you have **read and understand** the information in each section of the Ride Inc. Snubscope Service Rig Procedure Manual.

Section

- 1. Safety Warnings
- 2. Setup
 - 2.1. Checklist
 - 2.2. Choosing Cable
 - 2.3. Docking Station
 - 2.4. Magnegress Placement
 - 2.5. Anchor Assembly
 - 2.6. Magnegress Cable Installation
 - 2.7. Tension Indicator
 - 2.8. Trolley
 - 2.9. Tri-Handle
- 3. Operation
- 4. Teardown

Print Name

Signature

Date

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