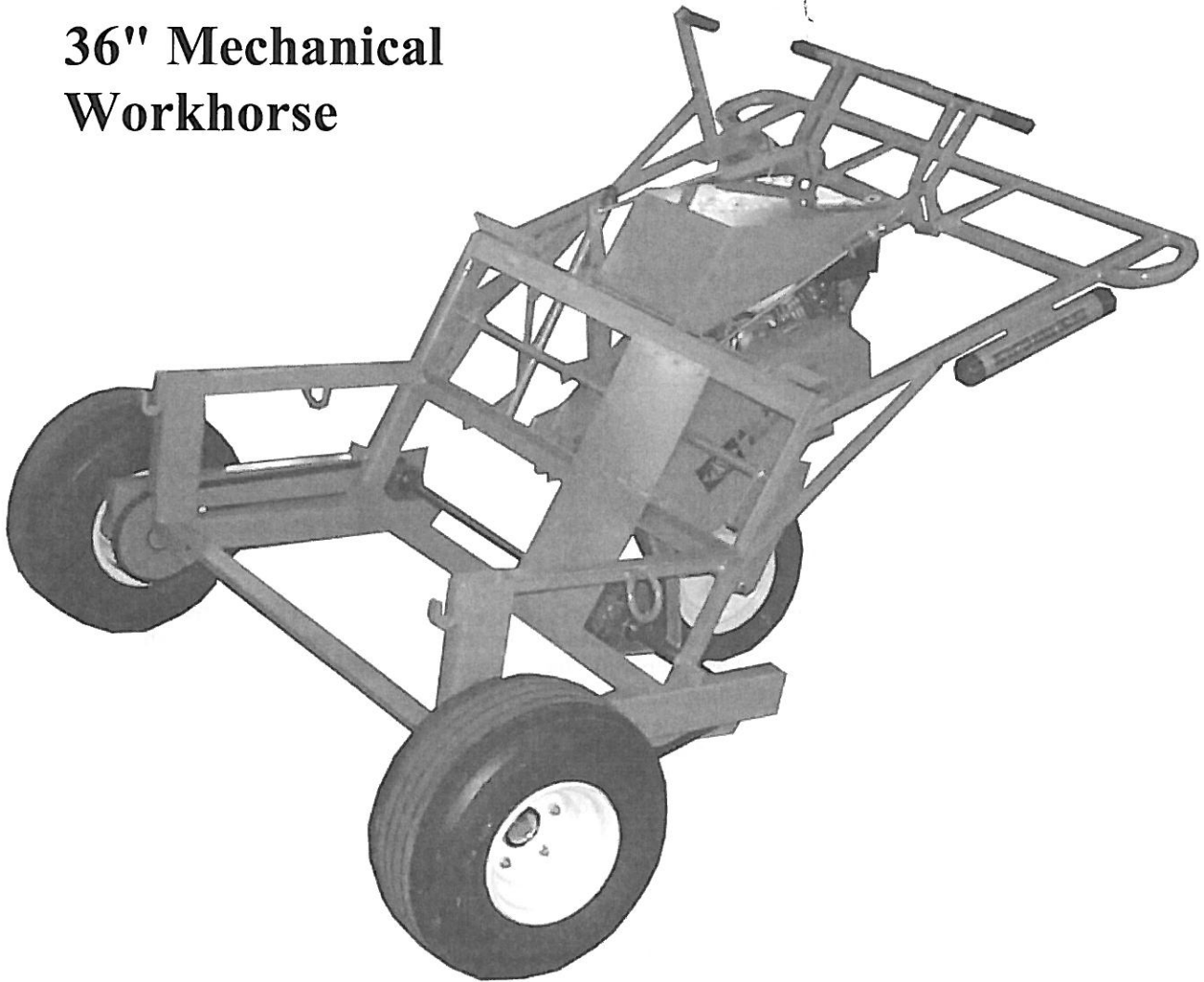


OWNERS MANUAL

36" Mechanical Workhorse



**ALL SEASONS
EQUIPMENT**

2170 Winston Park Dr. Oakville, Ontario, Canada L6H 5R1
1-888-308-4763 www.asequip.com

3. Hoisting the Machine to the Roof

a. Inspect the Hoist

Make certain the hoist is in safe operation condition. The hoist is only to be operated by trained personnel. The hoist should be clear of ground objects and overhead obstacles, such as power lines. The hoist frame should be secure and properly counterbalanced. The hoist should be inspected for frayed cables, bent frame members and for faulty mechanical parts. Make sure everyone on the ground is completely clear of the hoisting area. Don't exceed the weight and size capacity for your hoist. Consult your hoist manual for complete hoisting instructions and safety procedures.

b. Connecting Left Rings

Connect hooks from the hoist line to rings provided on side of workhorse power unit. This machine is to be hoisted using these rings only, hoisting from other areas of frame can cause damage to the machine and/or the operator.

Warning:



Insulated tanks and asphalt dispensers are not designed to be lifted in combination with power unit. Hoist these attachments separately. Never lift either of these attachments containing hot material. Hot stuff tanks must be lifted with metal slings only.

Machine and Attachment Weights:

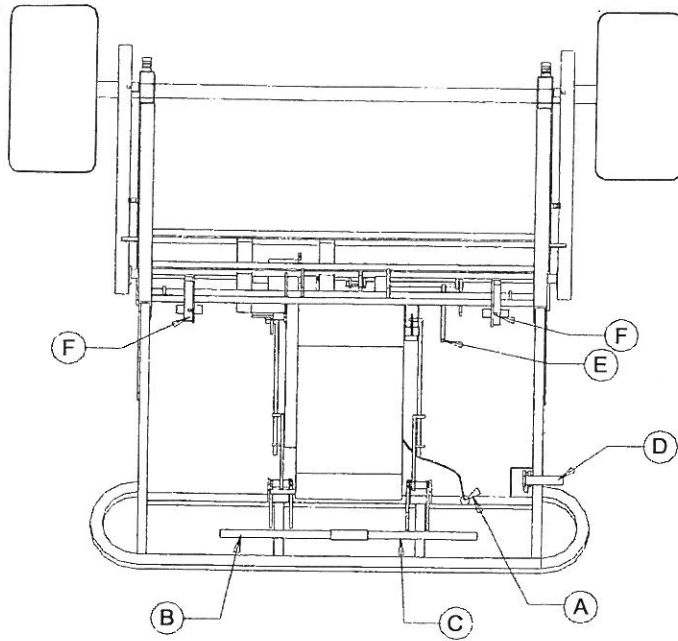
Power Unit:	340lbs
Dump Bucket (Standard):	60lbs
Dump Bucket (Large):	120 lbs
Gravel Spreader:	150 lbs
55gal Insulated Tank:	75 lbs
Rods and Channels for Tank:	25 lbs
Material Forks:	55 lbs

Approximate Material Weights:

Pea or Ballast Stone:	108 lb per cu. ft.
Asphalt:	8 lb per US Gallon

Note: Material weights are approximations only, and can vary depending on material.

c. Power Unit Controls



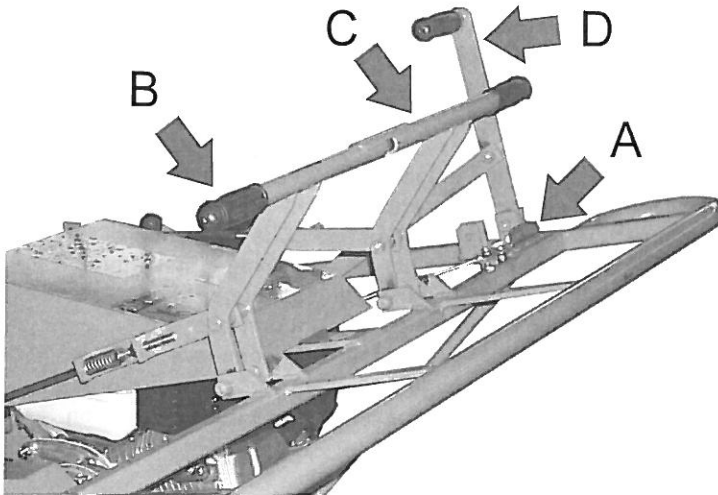
- A- Throttle Control
- B- Clutch Handle
- C- Brake Handle
- D- Gravel Bucket Handle
- E- Dump Bucket Release Handle
- F- Gravel Spreader Swivel Lock

To move the power unit, powered, push down on Clutch Handle, B.

To push the power unit forward, unpowered, push down on the Brake Handle, C

The speed is controlled by the Throttle Lever, A. The higher the engine RPM, the faster the machine will travel.

Figure 1



Gravel dispensing lever is located furthest to the right. Pulling back on the gravel spreader handle, D, opens the gate on the bottom of the gravel spreader. Pushing forward on the lever closes the door.

Figure 2

e. Dump Bucket and Forks Attachments

Install the Dump Bucket as shown in Fig. 4. Shaft ends drop into mount brackets on the front of the power unit. The hopper is self locking and releases with lever F, just to the right of the engine. The Forks attachment is attached to the workhorse the same way as the dump bucket attachment.

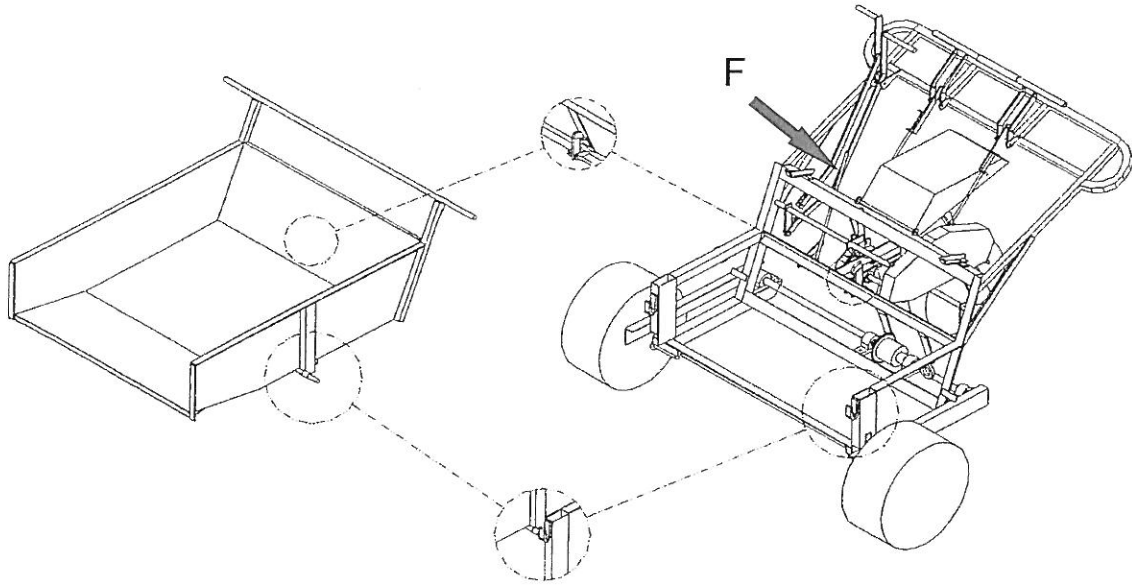
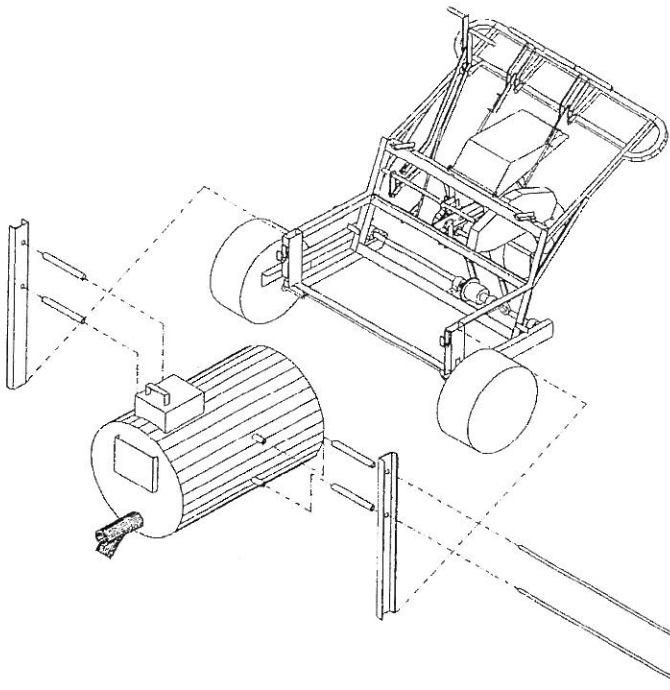


Figure 4

f. Insulated Tank Attachment



Install channel irons, tank and rods as shown in fig. 5. The channels are placed downward into the square tubes provided then the tank is lifted into place and pinned.

Figure 5

5. Machine Operation

a. Engine Startup

After reading through all of the instructions the mechanical workhorse should be ready for operation. When operating the machine for the first time position the machine on the ground in an open level area away from the obstructions. Start the engine and allow to warm up for five minutes. With no load on the workhorse, practice maneuvering the machine by operating the controls as described in section 4-c. All operators must check to see that the brake is functioning properly. When the brake handle is released the workhorse should stop instantly. If it doesn't, do not operate the machine until repairs or adjustments are made (see maintenance section 6-c).

b. Basic Power Unit Operation

- The mechanical workhorse is designed for use inside perimeter warning line or guardrail system. When using a perimeter warning line system, do not operate within 10 feet of the roof edge when driving perpendicular to the roof edge or 6 feet if operating parallel to the roof edge. If the machine is operated near a roof edge material handling area, the operator must comply with Federal OSHA or local provincial regulations in regard to use of an MSS system. See OSHA regulations, section 9 (Appendix A) and Ontario Regulations for Construction Projects (Appendix B).

- Never attempt to override the safety brake system, it is designed as a "Dead Man Brake System" to stop the machine whenever the operator loses contact with the controls.

- Engage the control handles with your hand only.
- Keep hands and feet away from the chain drive area.
- Keep well clear of other people on the roof while operating.
- Turn the machine off when not in actual use by a qualified operator.

c. Gravel Spreader Operation

The Gravel spreader attachment is ideal for spreading pea gravel and stone up to 1" in diameter. The dispensing lever is designed to be all the way forward of all the way back, so make adjustment in the door opening if needed as described in the set-up instructions for spreading different diameters of stone with the spread density required.

d. Dump Bucket Instructions

Do not exceed the maximum rated load of 1000lbs, overloading the workhorse dump bucket can result in damage to the bucket and/or Mechanical Workhorse frame. The bucket can be used for transporting roofing tear off debris or to transport roofing materials such as plywood, insulation, buckets of adhesive, tools or felt.

e. Insulated Tank Operation



DANGER: Eruption of overheated asphalt has been reported. Read and understand all safety instructions.

Before Operating:

- 1 Make sure that the tank is dry before using and that there is no trash or foreign matter in the tank. Even small amounts of moisture will react violently with hot material.
- 2 Inspect the tank lining for any coke build-up or condensation. Clean if necessary.
- 3 Be sure that the hot line is secure and cannot move or splash the operator during the filling of the hot tank.
- 4 Be sure that the workhorse is stopped and the engine is turned off.
- 5 Check the temperature of the material in the kettle or tanker. Do not fill tank with material that is not within the recommended range of the manufacturer.

6. Maintenance



CAUTION: Disconnect spark plug wire before working on machine

a. Lubrication

Lubrication recommendations are as follows:

Grease:

- Roller bearings in wheel hubs
- Pillow Block Bearings on Differential Shaft
- Pillow Block Bearings on Brake Shaft

Oil:

All moving linkage joints to prevent rust and keep the moving freely.

Chains:

All Moving parts should also be checked regularly for debris and cleaned with a wire brush if necessary

b. Drive Belt

The replacement belt size for this machine is B-42. The belt can be replaced by removing the belt cover and relaxing the tension on the idler pulley.

c. Chains

Side Chains:

The chain tension on the side chains should be in a relaxed position with a approximately 1 ½" deflection in the bottom on the chain.

Center Chain

The chain tension on the side chains should be in a relaxed position with approximately ¾" deflection in the bottom on the chain.

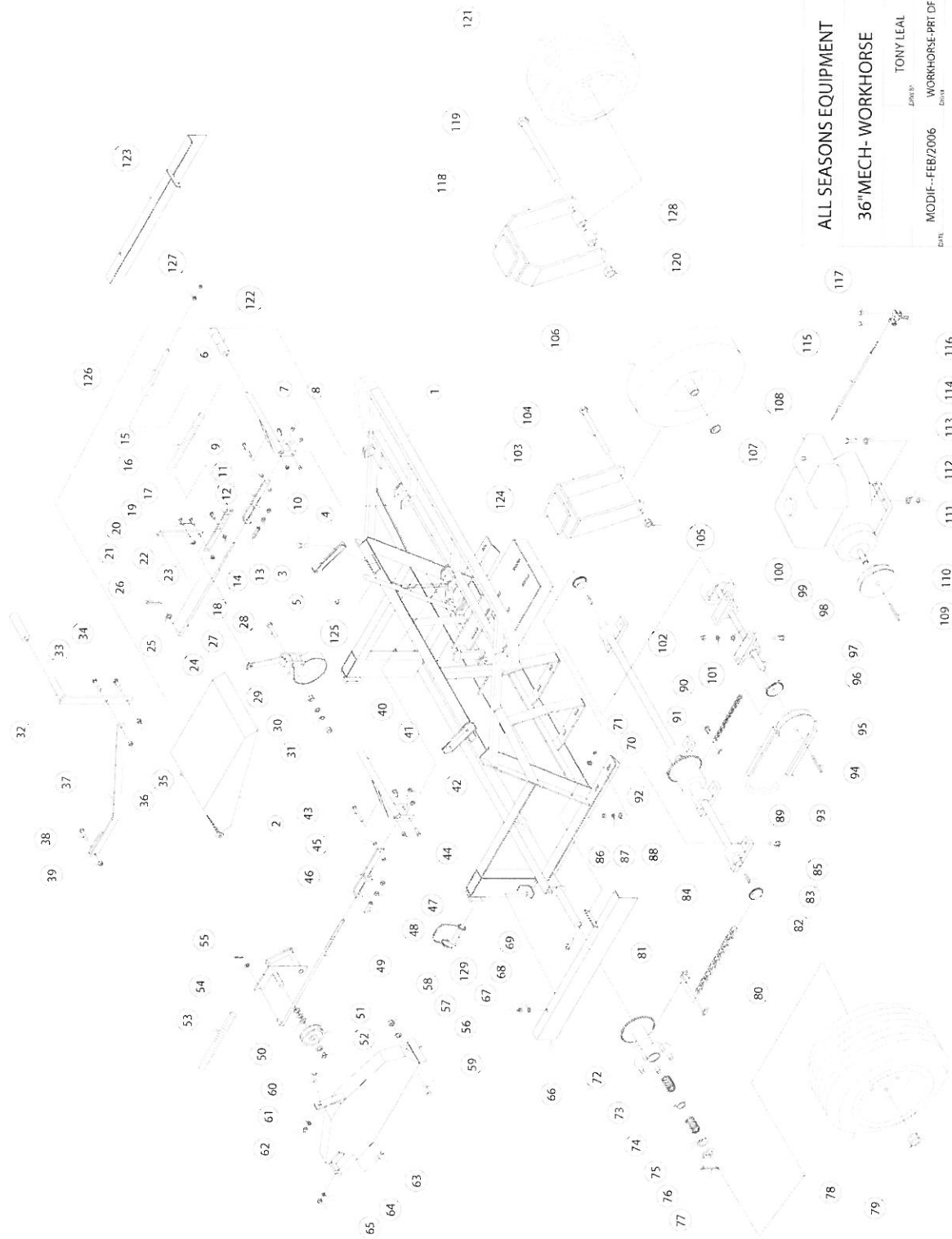
This chain slack provides cushioning of the machine brakes, reducing the stress on the machine frame and chains and helping to prevent chain breakage.

d. Clutch and Brake Maintenance

Check for brake wear at least once a week. Replace the brake band before the lining is completely worn. Never operate this machine without the brake in proper working condition. The brake tension can be adjusted with the changing of position of the connection of the brake band to the linkage directly above the brake band. A properly functioning brake will stop the machine immediately when the brake control handle is released.

e. Engine Maintenance

Refer to the enclosed Honda Engine Manual, included with this instruction set.



ALL SEASONS EQUIPMENT	
36"MECH- WORKHORSE	
DATE	DESIGNED BY
MODIF--FEB/2006	TONY LEAL
	WORKHORSE-PRT DFT
	ENH
36" WORKHORSE PARTS	

Appendix B: Safety Requirements by Region

For rules governing roofing safety in the United States, please refer to:

U.S. Department of Labor
Occupational Safety & Health Administration
Part 1926 - Safety and Health Regulations for Construction
www.osha.gov

For rules governing roofing safety in Canada, please refer to:

Canadian Centre for Occupational Health and Safety
www.ccohs.ca/oshanswers/information/govt.html

Contacts for Provincial Offices for Occupational Health and Safety:

Alberta

Work place Health and Safety
Alberta Employment, Immigration and Industry
10th Floor Seventh Street Plaza, South Tower
10030 - 107 Street
Edmonton AB T5J 3E4
General Inquiries: (780) 415-8690; FAX: (780) 422-3730
Workplace Health and Safety Call Centre: 1-866-415-8690
Web Site: <http://www.gov.ab.ca/hre/whs/>
Contacts: <http://www.hre.gov.ab.ca/cps/rde/xchg/hre/hs.xsl/2874.html>

British Columbia

Workers' Compensation Board of British Columbia
6951 Westminster Highway
P.O. Box 5350 STN Terminal
Richmond BC V6B 5L5
Health & Safety Questions (604) 276-3100; 1-888-621-SAFE (7233)
General Inquiries: (604) 273-2266
After hours safety and health emergency reporting: (604) 273-7711; 1-888-621-SAFE (7233)
FAX: (604) 276-3247
Worker's Compensation Board of British Columbia: <http://www.worksafebc.com/>
Contact List/Regional Offices: http://www.worksafebc.com/contact_us/regional_locations/default.asp
Films and Posters
Publication requests: 1-866-271-4879
Fax: 1-866-362-3130, Attention: WCB Customer Service
WCB Publications: <http://www.worksafebc.com/Publications/default.asp>

Manitoba

Workplace Safety and Health Division
Manitoba Labour and Immigration
200 - 401 York Avenue
Winnipeg MB R3C 0P8
General Inquiries: (204) 945-3446; 1-800-282-8069; After hours: (204) 945-0581
FAX: (204) 945-4556

Northwest Territories and Nunavut

Workers' Compensation Board of the Northwest Territories and Nunavut
P.O. Box 8888
Yellowknife NT X1A 2R3
General Inquiries: (867) 920-3888, 1-800-661-0792
FAX: (867) 873-4596
Iqaluit Office: (867) 979-8500, 1-877-404-4407
Web Site: <http://www.wcb.nt.ca/default.asp>

Nova Scotia

Occupational Health & Safety Division
NS Department of Environment and Labour
5151 Terminal Rd., 6th floor
PO Box 697
Halifax, NS B3J 2T8
Phone: (902) 424-5300
FAX: (902) 424-0503
Occupational Health and Safety:
https://www.gov.ns.ca/enla/contact/default.asp?div=gen&pg=d_ept&bk=enla/ohs/Default.asp

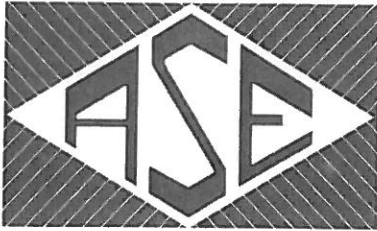
Ontario

Occupational Health and Safety Branch
Ministry of Labour
655 Bay Street, 14th Floor
Toronto, ON M7A 1T7
General Inquiries: 1-800-268-8013 (in ON only)
FAX (416) 326-7761
Ministry of Labour (OHS): <http://www.labour.gov.on.ca/english/hs/>
Contact List/Regional Offices: http://www.labour.gov.on.ca/english/about/reg_offices.html

Prince Edward Island

Occupational Health and Safety Division
Workers' Compensation Board
P.O. Box 757, 14 Weymouth Street
Charlottetown PE C1A 7L7
General Inquiries: (902) 368-5680; 1-800-237-5049 (in PEI only)
FAX: (902) 368-5705
Workers' Compensation Board: <http://www.wcb.pe.ca>

Appendix C - Safety Stickers and Decals



**ALL SEASONS
EQUIPMENT**

TEL: 1-888-308-4763

WORK HORSE

 **CAUTION**

Intended use: This machine is intended to be used on flat, level roofs for these applications only: insulation carrier, felt carrier, rubbish and gravel carrier, hotstuff carrier, gravel spreader and hotstuff dispenser. Any other use of this equipment voids the manufacturer's warranty and is the sole responsibility of the owner/user, should any damage or injury occur.

 **WARNING**

Before operating this piece of equipment, have the purchaser and/or owner of same instruct you on the proper use, limitations and safe operation as stated in the All Seasons Equipment operating instructions.

- Do not use within 10 feet of roof edge.
- Guard all roof edges, openings or obstructions per OSHA regulations before operating.
- Turn machine off when not in actual operation by qualified operator.
- Check to see that brake is working properly before each use.
- On wide span decks, check load limits with builder, owner or architect.

ALL SEASONS EQUIPMENT, Div. of ESKO Equipment Mfg. Ltd., Ont. Canada
Tel.: 1-888-308-4763

**PUSH DOWN TO GO FORWARD
RELEASE TO STOP**

*** SAFETY FIRST ***

ALWAYS READ YOUR MANUAL BEFORE OPERATING THIS MACHINERY. INJURY OR DEATH MAY RESULT IF THIS PRODUCT IS MISUSED IN ANY WAY.

ALL SEASONS EQUIPMENT, Div. of ESKO Mfg. Ltd., relies upon the purchaser to see that the manual instructions are made clear to the persons who are operating this machine.

 **DANGER**

