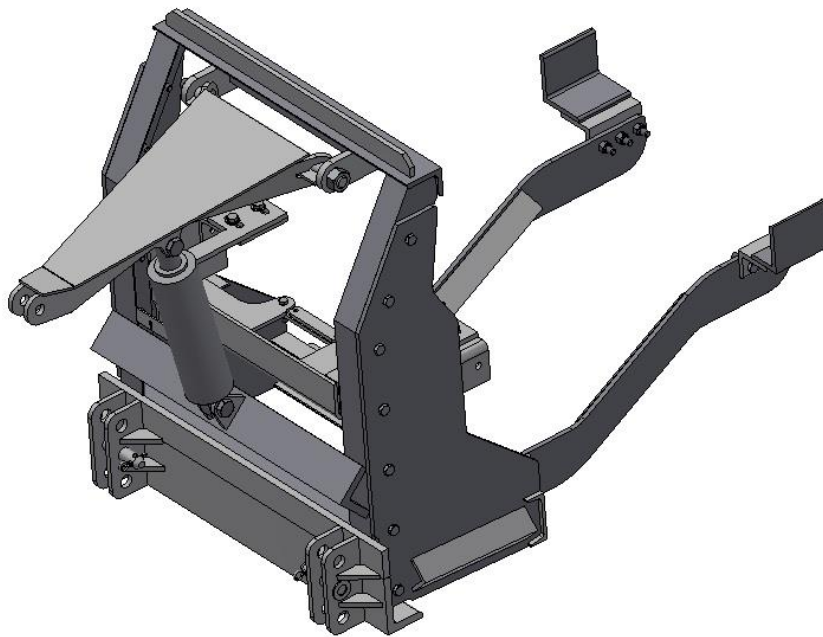




OWNERS MANUAL

VCU TILT OVER HITCH



EQUIPMENT MAY NOT BE EXACTLY AS SHOWN. SOME COMPONENTS MAY BE OPTIONAL.

TO MAINTAIN OUR ON-GOING PRODUCT DEVELOPMENT AND IMPROVEMENT PROGRAM, VIKING-CIVES RESERVES THE RIGHT TO CHANGE EQUIPMENT & SPECIFICATION WITHOUT NOTICE.



INTRODUCTION- VCU TILT OVER HITCH

CONGRATULATIONS AND THANK YOU FOR YOUR PURCHASE OF NEW VIKING-CIVES SNOW & ICE CONTROL EQUIPMENT. THIS MANUAL HAS BEEN CREATED TO PROVIDE YOU WITH INSTALLATION, SET-UP, OPERATION, AND MAINTENANCE INFORMATION FOR THE VIKING-CIVES **TILT OVER HITCH**. IT HAS BEEN PREPARED TO FAMILIARIZE YOU OR ANY OTHER PERSON WHO WILL BE ASSEMBLING, OPERATING, MAINTAINING, OR WORKING WITH THIS PRODUCT WITH THE DESIGN FEATURES, AND TO INSTRUCT YOU IN THE RECOMMENDED OPERATION AND MAINTENANCE OF THE UNIT.

READ THIS MANUAL CAREFULLY BEFORE YOU OPERATE OR SERVICE YOUR **TILT OVER HITCH**. REMEMBER THAT YOU'RE WORKING WITH HEAVY EQUIPMENT THAT CAN INJURE YOU OR SOMEONE ELSE. YOU CAN HELP LESSEN THE CHANCE OF INJURY BY FOLLOWING THE PROCEDURES IN THIS MANUAL, CAREFULLY.

DANGER: IF INCORRECTLY USED, THIS EQUIPMENT CAN CAUSE SEVERE INJURY. YOUR CHANCE OF INJURY CAN BE GREATLY REDUCED BY FOLLOWING ALL SAFETY DECAL NOTIFICATIONS. ALL DECALS MUST BE KEPT CLEAN AND COMPLETE. REPLACE ANY DECALS THAT ARE UNREADABLE. DECALS MAY BE PURCHASED DIRECTLY FROM VIKING-CIVES USA AND/OR YOUR NEAREST AUTHORIZED DEALER. ALL OPERATOR/SERVICE SHOULD REVIEW THIS MANUAL CAREFULLY AND BECOME FAMILIAR WITH ITS CONTENTS. **IF ANYONE ELSE BESIDE YOU OPERATES OR SERVICES THIS EQUIPMENT, MAKE SURE THEY READ THIS MANUAL AND ARE INSTRUCTED TO FOLLOW ALL THE SAFETY PROCEDURES RELATED TO THIS EQUIPMENT. KEEP THIS MANUAL AVAILABLE FOR REFERENCE WHENEVER THIS PRODUCT IS BEING HANDLED OR USED. PROVIDE THIS MANUAL TO ANY NEW OWNERS AND/OR OPERATORS.**

GENERAL OPERATION DESCRIPTION: THE **TILT OVER HITCH** IS DESIGNED FOR APPLICATIONS WHERE A STATIONARY GRILL IS UTILIZED, ALLOWING FOR THE HOOD OF THE TRUCK TO FREELY OPEN AND CLOSE WITHOUT INTERFERENCE WITH THE HITCH.

INSTALLATION

- 1.** INSTALL HITCH 13" OFF THE GROUND FROM THE FIRST PUSH LUG HOLE (FIG 1). **(THOUGH PUSH HEIGHTS MAY VARY)**
- 2.** KEEP THE HITCH AS CLOSE AS POSSIBLE TO THE TRUCK AND BOLT ON TO FRAME WITH A MINIMUM OF (6) 5/8" DIA. GR. 5 BOLTS EACH SIDE.
- 3.** IF DRILLING IS NEEDED, LAYOUT AN APPROPRIATE BOLT PATTERN TO MINIMIZE STRESS AND MATCH DRILL THE CHEEK PLATES TO THE TRUCK FRAME.
- 4.** CONNECT HYDRAULIC HOSES, BE SURE THE CYLINDER EXTENDS WHEN THE CAB CONTROL IS PULLED AND RETRACTS WHEN THE CAB CONTROL IS PUSHED.

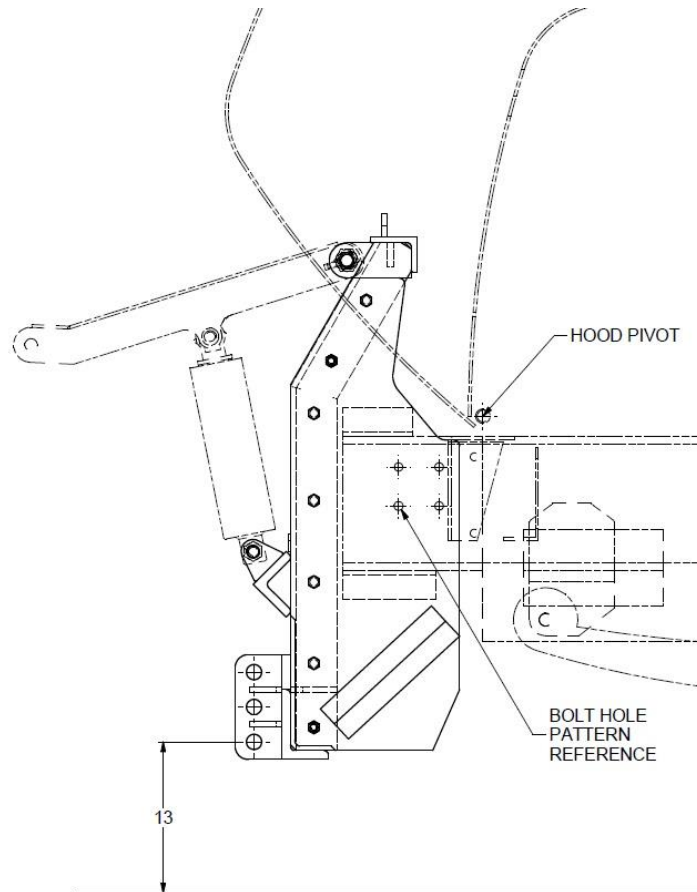


Figure 1

OPERATION

WHEN ALL CONDITIONS OF INSTALLATION HAVE BEEN MET, THE HITCH IS READY TO ATTACH TO THE PLOW. THE HITCH AND PLOW WERE DESIGNED TO OPERATE IN THE FORWARD PLOWING DIRECTION ONLY. **NOTE: ALWAYS LIFT THE PLOW BEFORE REVERSING THE PRIME MOVER.** THE LEVERS FOR CONTROLLING THE PLOW LIFT AND REVERSE FUNCTIONS ARE LOCATED IN THE CAB OF THE PRIME MOVER.

MAINTENANCE

IN PREPARATION FOR THE SNOWPLOWING SEASON AND **AFTER EVERY EIGHT (8) HOURS OF OPERATION**, A VISUAL EQUIPMENT INSPECTION MUST BE PERFORMED. LOOK FOR ANY DAMAGED COMPONENTS, BENDS, CRACKED WELDS, HYDRAULIC LEAKS, ETC. INSPECT ALL FASTENERS; TIGHTEN ANY THAT HAVE LOOSENED AND REPLACE ANY THAT ARE DAMAGED. CHECK ALL HYDRAULIC HOSES FOR CUTS, CRACKS AND/OR LEAKS. CHECK PLOW LIFT CABLE(S) FOR LOOSE CLAMPS AND FRAYS. **IMMEDIATELY REPLACE FRAYED CABLES.** ON PLOWS WITH PUSHFRAME MOUNTED SHOES, CHECK ALL SHOE MOUNTING BOLTS FOR TIGHTNESS AND/OR PROPER ADJUSTMENT. CORRECT SHOE HEIGHT SETUP IS CRITICAL FOR PLOW OPERATION AND PERFORMANCE. INSPECT AND GREASE ALL JOINTED AREAS WITH A GREASE PORT ACCESS TO ENSURE LONGEVITY AND PROPER MOVEMENT OF EQUIPMENT.

WHEN THE PLOW IS DISCONNECTED FROM THE PRIME MOVER, BE SURE TO COUPLE THE HYDRAULIC HOSES TOGETHER, TO PREVENT DAMAGE TO THE QUICK DISCONNECT HOSE ENDS AND TO HELP PREVENT THE INTRODUCTION OF FOREIGN MATERIAL INTO THE HYDRAULIC SYSTEM.