



PART NO. 95-2480

SET-UP AND PARTS
CATALOG

HYDROPROJECT 4000 HITCH KIT

for use the MULTI PRO® 5500 Vehicle

To assure maximum safety, optimum performance, and to gain knowledge of the product, it is essential that you or any other operator of the Vehicle read and understand the contents of this manual and the Vehicle's manual before the engine is ever started. Pay particular attention to the **SAFETY INSTRUCTIONS** highlighted by the triangular safety alert symbol.



The safety alert symbol means **CAUTION**, **WARNING** or **DANGER** - personal safety instruction. Failure to comply with the instruction may result in personal injury.



SAFETY INSTRUCTIONS

Keep this Operator's Manual in the plastic tube behind the operator seat.

It is very important that all persons operating this equipment have easy access to these instructions at all times!

Carefully read and follow the "Set-Up" Instructions that are provided with this equipment and the Safety Instructions in the Multi-Pro™ Operator's Manual.

RECOGNIZE SAFETY INFORMATION



This safety-alert symbol is used to call attention to a **dangerous** situation, which could result in serious injury or death to the operator or a bystander.

Safety, mechanical and some general information in this manual are emphasized. **DANGER**, **WARNING** and **CAUTION** identify safety messages. Whenever the triangular safety symbol appears, it is followed by a safety message that must be read and understood. For more details concerning safety, read the Safety Instructions on this page and page 2. **IMPORTANT** identifies special mechanical information and **NOTE** identifies general information worthy of special attention.

These instructions are provided as a guide for the safe operation and maintenance of this equipment. However, the operator's personal safety, as well as those persons in the work area, will depend on the careful actions and good judgement of the operator. **To reduce the potential for injury or death, comply with the following safety instructions.**

BEFORE OPERATING:

1. Operate this machine only after reading and understanding the contents of this manual. A replacement manual is available by sending complete model and serial number to: Hahn Equipment Co., a subsidiary of The Toro Company, 1625 N. Garvin, Evansville, IN 47711.

2. Keep all shields, safety devices and decals in place. If a shield, safety device or decal is malfunctioning, illegible or damaged, repair or replace it before operating the machine.

MAINTENANCE:

1. **Before** servicing or making any adjustments:
 - A. Stop the Vehicle and set the parking brake.
 - B. Shut off the vehicle's engine and remove key from ignition.
 - C. Disengage all power and wait until all moving parts have stopped.
2. Keep all nuts, bolts and other fasteners tightened securely.
3. To be sure of optimum performance and safety, always purchase genuine TORO replacement parts and accessories. Replacement parts and accessories made by other manufacturers could be dangerous. Altering this equipment in any manner may affect the machine's operation, performance, durability or its use may result in injury or death. Such use could void the product warranty of the TORO Company.

SAFETY INSTRUCTIONS

WARNING

The Hydroject Hitch Kit is designed to tow the TORO Hydroject only. Towing trailers not equipped with trailer brakes can cause severe personal injury or death.

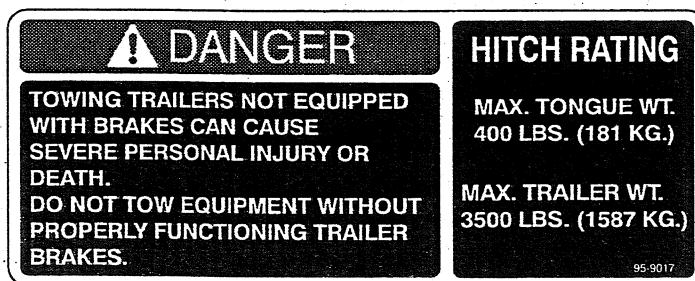
- Do NOT tow equipment without properly functioning trailer brakes.
- Do NOT exceed the following maximum rated loads.

Maximum Tongue Weight:
400 lbs (181 kg)

Maximum Trailer Weight:
35,00 lbs. (1,587 kg)

SAFETY INSTRUCTION DECAL

The following safety and instruction decal is installed on the Hydroject Hitch Kit. If it becomes damaged or illegible, replace it. The decals and part number is listed below and in the parts breakdown. Order replacements from your Authorized Toro Distributor.



Part No. 95-9017 Located on Hitch Assembly.

NOTE: "Right", "Left", "Front" and "Rear" are referenced while seated in the operator's position.

Raising Boom for Trailer Tongue Clearance:

1. Remove both Boom Hold-in Assemblies and Cross Angle from the Boom Mounts. Reassemble Boom Hold-in Assemblies and Cross Angle two holes higher than original position using (2) Hold-in Extensions, (3) 1/2 x 1-1/2" cap screws, locknuts and washers. See FIG. 1.

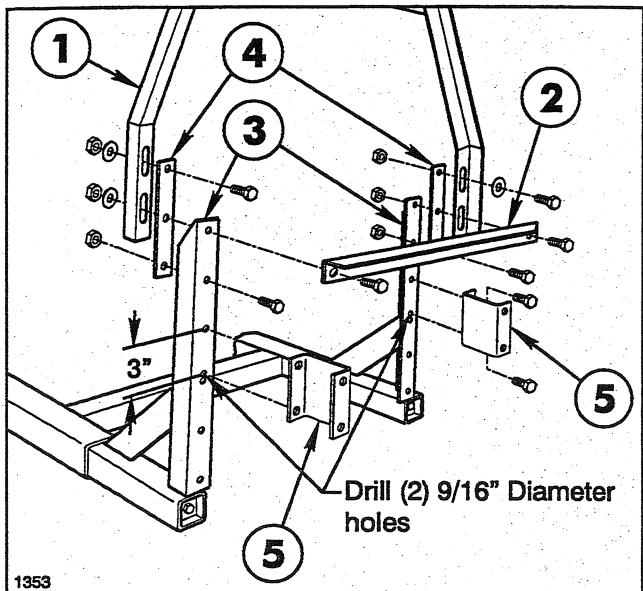


FIG. 1

1. Boom Hold-in Ass'y	4. Hold-in Extension
2. Cross Angle	5. Boom Mounting Bracket
3. Boom Mount	

2. Remove the Boom Assembly by removing the (4) bolts securing the Boom Mounting Brackets to the Boom Mounts.

3. Locate, mark and drill (2) 9/16" diameter holes 3" below third hole from top of Boom Mount. See FIG. 1.

Mounting Hitch to Vehicle:

Note: Vehicles with model numbers of 41564-70201 or greater will NOT need to drill holes for the Mounting Angles.

1. Locate, mark and drill (2) 17/32" diameter holes in Frame Cross Angle. See FIG. 2.

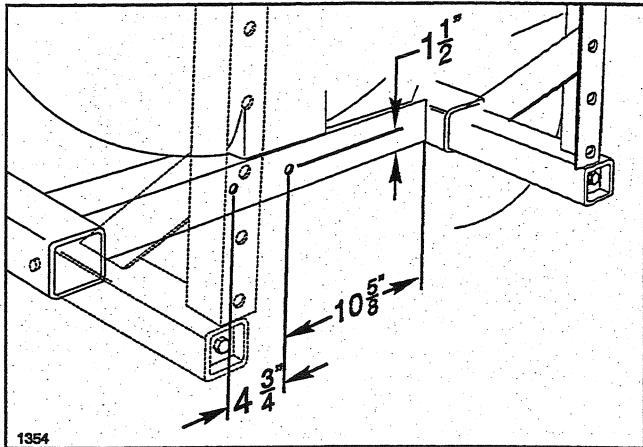


FIG. 2

2. Loosely attach Mounting Angle to Frame Cross Angle using (2) 1/2 x 1-1/2" cap screws, washers and locknuts. See FIG. 3.

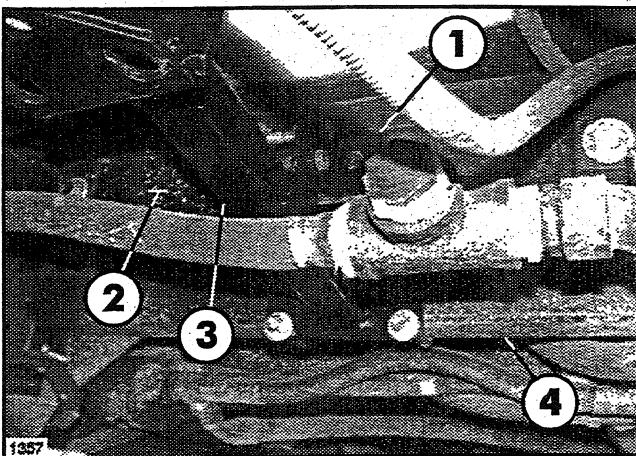


FIG. 3

1. Mounting Angle	3. Hitch Assembly
2. Frame Cross Angle	4. Axle Cross Tube

3. Loosely attach Hitch Assembly to Mounting Angles using (4) 1/2 x 1-1/2" cap screws, flat washers and locknuts.
4. Secure rear of Hitch to Axle Cross Tube using (2) U-Bolts, (4) washers and (4) 1/2" locknuts.
5. Using a torque wrench, torque Hitch fasteners to 75 ft-lb or 102 N-m.
6. Reattach Boom Assembly two sets of holes higher than original position using fasteners removed earlier.

Mounting Control Box

1. Locate, mark and drill (2) 11/32" diameter holes in Dash Panel. See FIG. 4. Locate the holes 1-1/2" up from bottom of Dash Panel and 12" from L.H. edge of Dash Panel to the L.H. hole. Locate the R.H. hole 18" from L.H. edge of Dash Panel.



FIG. 4

1. Control Mount Bracket
2. Secure the Control Mount Bracket to the Dash Panel using (2) 5/16 x 1/2" capscrews, washers and locknuts.

Routing Control Box Wire Harness

1. Route the Control Box Wire Harness through the floor board and along the inside of the R.H. Vehicle Frame Member.
2. Attach Wire Harness Extension to Control Box Wire Harness and continue routing to rear of vehicle. Route along Trailer Tongue Hitch leaving enough slack for Hitch to pivot. Connect Wire Harness Extension to the connector on the Hydroject 4000.
3. Secure Wire Harnesses using zip ties provided.

IMPORTANT! Secure Wire Harnesses away from moving parts.

Relocating Flow Meter

1. Remove fasteners securing Flow Meter Assembly to Solenoid Mounting Bracket.
2. Attach top of Flow Meter Extension Bracket to Solenoid Mounting Bracket, where Flow meter Assembly was removed, using (2) 5/16 x 1" cap screws, washers and hex nuts. See FIG. 5.

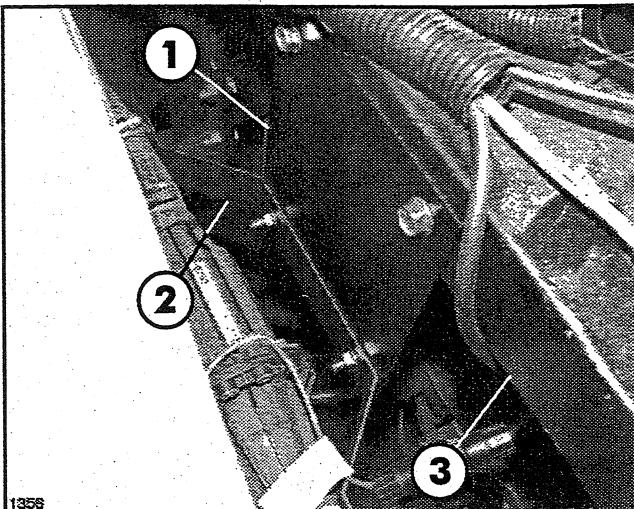


FIG. 5

1. Flow Meter
2. Flow Meter Assembly Extension Bracket
3. Solenoid Mounting Bracket

3. Reattach Flow Meter Assembly to bottom holes in Flow Meter Extension Bracket using (2) 5/16 x 1" cap screws, washers and hex nuts.

Description	Part#	Qty.	Where Used
HITCH ASSEMBLY - WELDED	95-2481	1	
ANGLE - MOUNTING	95-2486	2	Mounts lug to frame angle - wrap in foam
EXTENSION - FLOW METER BRACKET	95-2488	1	Wrap in foam
EXTENSION - BOOM HOLD IN ASSEMBLY	95-2487	2	Wrap in foam
U-BOLT 1/2" DIA.	95-2492	2	Mounts hitch to axle tube
BRACKET - CONTROLLER MOUNTING	95-2489	1	Mounts on dash - wrap in foam
WIRE HARNESS EXTENSION	95-2490	1	Between controller and Hydroject wire harnesses
DECAL	95-9017	1	Install on Hitch Ass. #95-2481
CAP SCREW 1/2-13 X 1-1/2 GR.5 YZ	325-6	6	Rear mount angle
NUT - LOCK 1/2-13 YZ	32153-5	10	(6) Rear mount; (4) U-bolts
WASHER - FLAT 1/2 YZ	3256-6	10	(6) Rear mount; (4) U-bolts
CAP SCREW 5/16-18 x 1 GR. 5 YZ	322-5	4	Mounts flow meter bracket extension
NUT 5/16-18	3217-6	4	Mounts flow meter bracket extension
WASHER-FLAT 5/16 YZ	3256-3	4	Mounts flow meter bracket extension
NUT-LOCK 1/2-13 YZ	32153-5	6	Mounts boom hold in assembly extension
WASHER-FLAT 1/2 USS YZ	3256-6	6	Mounts boom hold in assembly extension
CAP SCREW 1/2-13 X 1-1/2 GR.5 YZ	325-6	6	Mounts boom hold in assembly extension
PLASTIC STA-STRAP	95672	4	Secures wire harness

NOTES:



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