

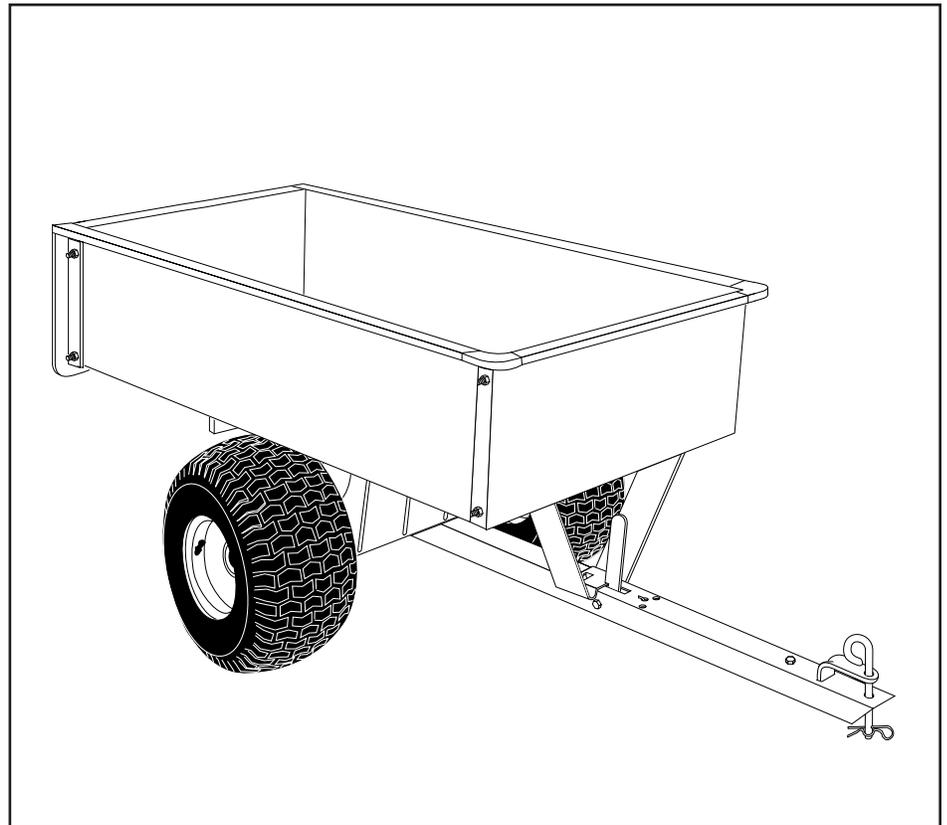
# Agri-Fab®

## OWNERS MANUAL

Model No.

45-02172

190-521-100



## "ATV" DUMP CART

H.D. 17 CU. FT.

**CAUTION:**  
Read Rules for  
Safe Operation  
and Instructions  
Carefully

- Assembly
- Operation
- Maintenance
- Repair Parts

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# SAFETY RULES

Remember, any power equipment can cause injury if operated improperly or if the user does not understand how to operate the equipment. Exercise caution at all times when using power equipment.



**LOOK FOR THIS SYMBOL TO POINT OUT IMPORTANT SAFETY PRECAUTIONS. IT MEANS --ATTENTION! BECOME ALERT! YOUR SAFETY IS INVOLVED.**



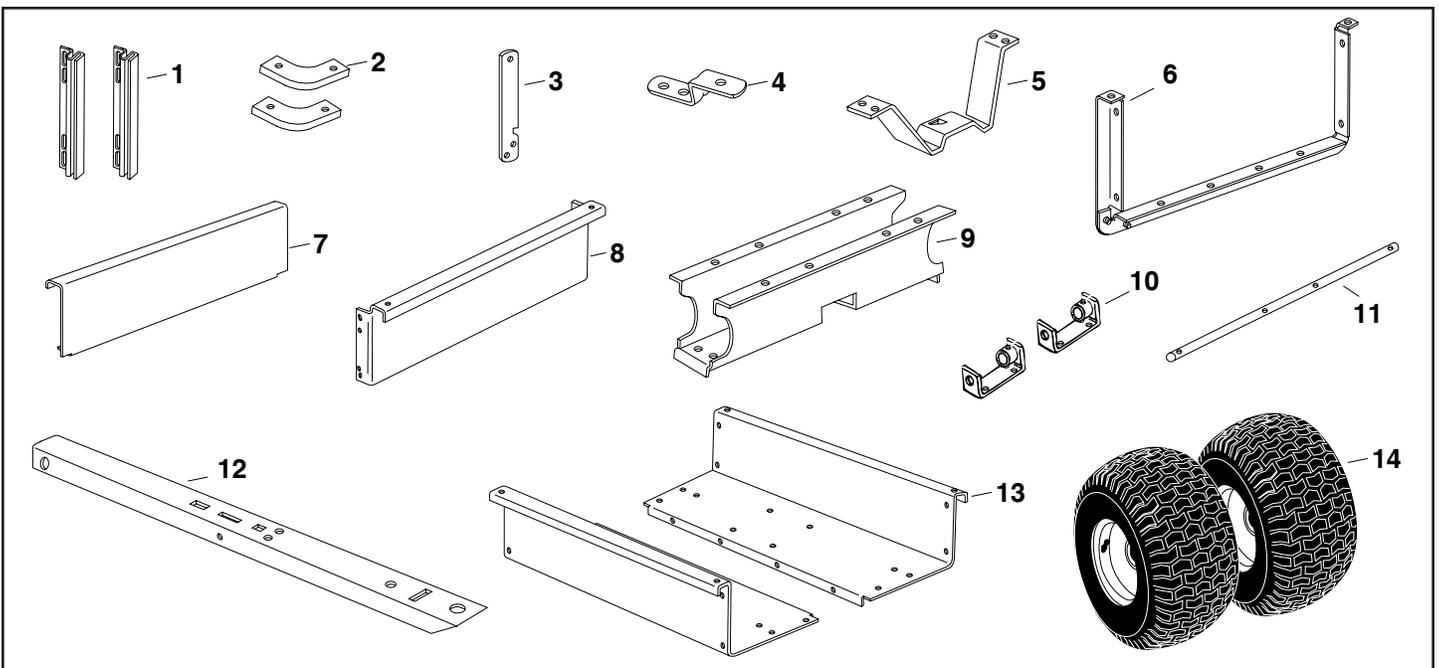
**CAUTION: VEHICLE BRAKING AND STABILITY MAY BE AFFECTED WITH THE ADDITION OF AN ACCESSORY OR AN ATTACHMENT. BE AWARE OF CHANGING CONDITIONS ON SLOPES.**

Exercise caution at all times when using power equipment.

- Read this owners manual before attempting to assemble or operate the cart.
- Read the vehicle owners manual and know how to operate your tractor, before using the cart attachment.
- Do not at any time carry passengers in this cart. It has not been designed to carry passengers.
- Never allow children to operate the tractor or the cart attachment.
- Do not allow adults to operate the tractor or cart attachment without proper instructions.
- Always begin with the transmission in first (low) and gradually increase speed as conditions permit.
- Tow the cart at reduced speed over rough terrain and hillsides or near creeks and ditches to prevent tipping over and loss of control. Do not drive too close to a creek or ditch.
- Vehicle braking and stability may be affected with the attachment of this cart. Do not fill cart to maximum weight capacity without checking the capability of the towing vehicle to safely pull and stop with the cart attached.
- Before operating vehicle on any grade (hill) refer to the safety rules in the vehicle owner's manual concerning safe operation on slopes. Refer also to the slope guide on page 11 of this manual. **Stay off steep slopes!**
- Do not tow this cart on highways or on public thoroughfares.
- Maximum towing speed is 10 m.p.h.
- Follow maintenance and lubrication instructions as outlined in this manual.

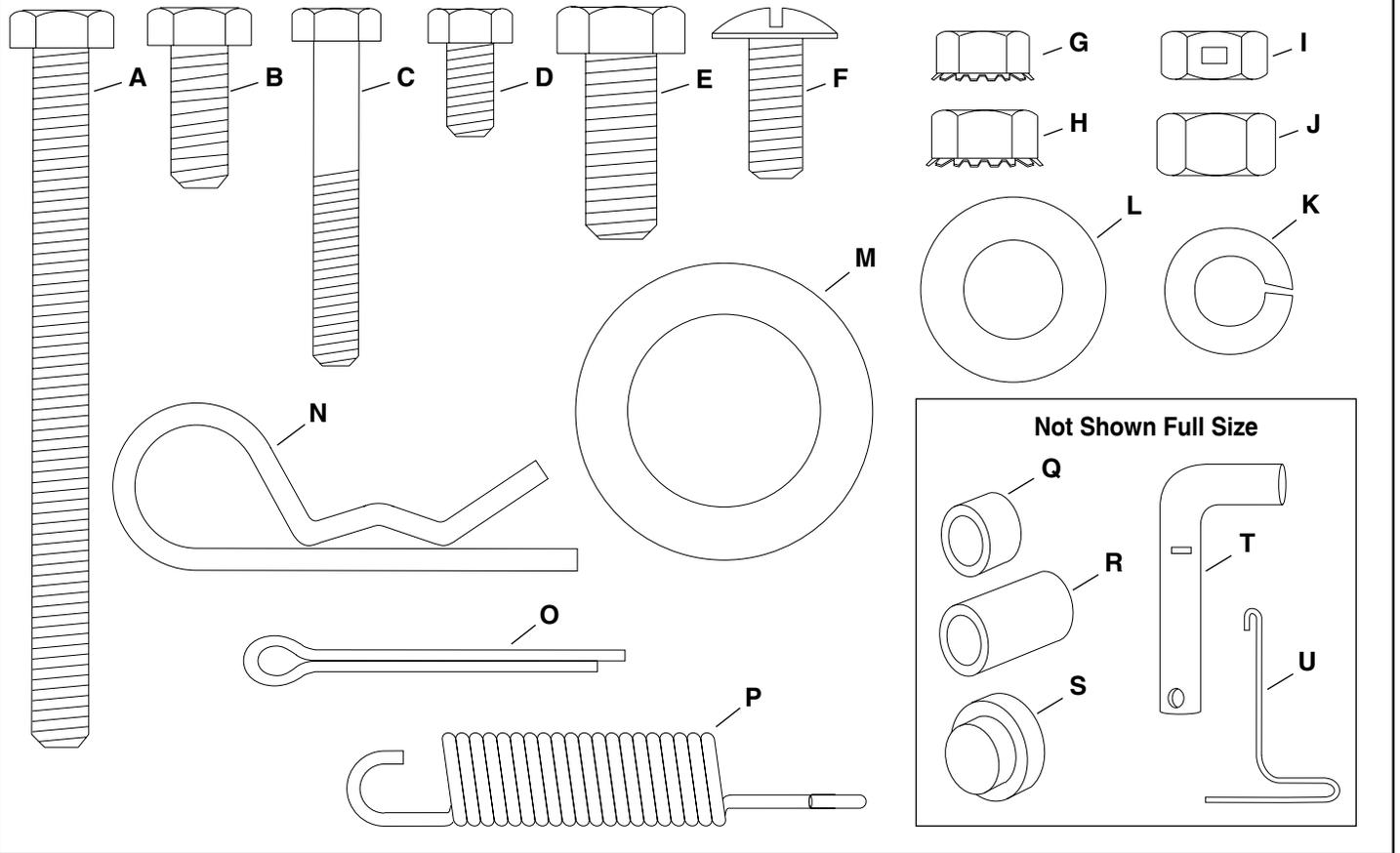
## CARTON CONTENTS

- |                        |                                   |  |
|------------------------|-----------------------------------|--|
| 1. Tailgate Guides (2) | 5. Latch Stand Bracket            | 10. Axle Bracket (2)                     |
| 2. Corner Caps (2)     | 6. Tailgate Reinforcement Bracket | 11. Axle                                 |
| 3. Latch Lock Lever    | 7. Tailgate                       | 12. Tongue                               |
| 4. Hitch Bracket       | 8. Front Panel                    | 13. Cart Body (2)                        |
|                        | 9. Wheel Support                  | 14. Wheels (2) Packed in separate carton |



## CARTON CONTENTS

**HARDWARE SHOWN FULL SIZE**



**HARDWARE PACK**

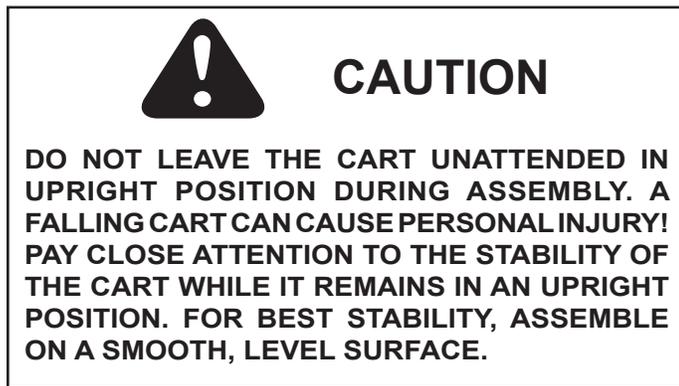
REF.	DESCRIPTION	QTY.
A	Hex Bolt, 5/16" x 3-3/4"	1
B	Hex Bolt, 5/16" x 3/4"	8
C	Hex Bolt, 1/4" x 1-3/4"	2
D	Hex Bolt, 1/4" x 1/2"	24
E	Hex Bolt, 3/8" x 1"	1
F	Slit. Truss Hd. Bolt, 5/16" x 3/4" Lg.	12
G	Hex Nut, 1/4"	26
H	Hex Nut, 5/16"	14
I	Hex Lock Nut, 5/16"	9
J	Hex Nut, 3/8"	1
K	Lock Washer, 3/8"	1
L	Flat Washer, 1/2"	1
M	Flat Washer, 1"	4
N	Hair Cotter Pin, 1/8"	1
O	Cotter Pin, 1/8" x 1-1/2" Lg.	2
P	Spring	1
Q	Spacer Tube (Short)	2
R	Spacer Tube (Long)	2
S	Hub Cap	2
T	Hitch Pin	1
U	Spring Puller Tool	1

# ASSEMBLY INSTRUCTIONS

## TOOLS REQUIRED FOR ASSEMBLY

- (1) Screwdriver
- (1) Pliers
- (2) 7/16" Wrenches
- (1) 1/2" Wrench
- (2) 9/16" Wrenches

1. Remove the hardware pack and all loose parts from the carton. Be sure the carton is empty before discarding.
2. Lay out all the parts and hardware as shown on pages 2 and 3.



3. Position cart body halves upright on a smooth level surface such as a garage floor or a paved driveway. See figure 1.
4. Assemble halves together using four 1/4" x 1/2" hex bolts and 1/4" hex nuts as shown in figure 1. **Do not tighten at this time.**

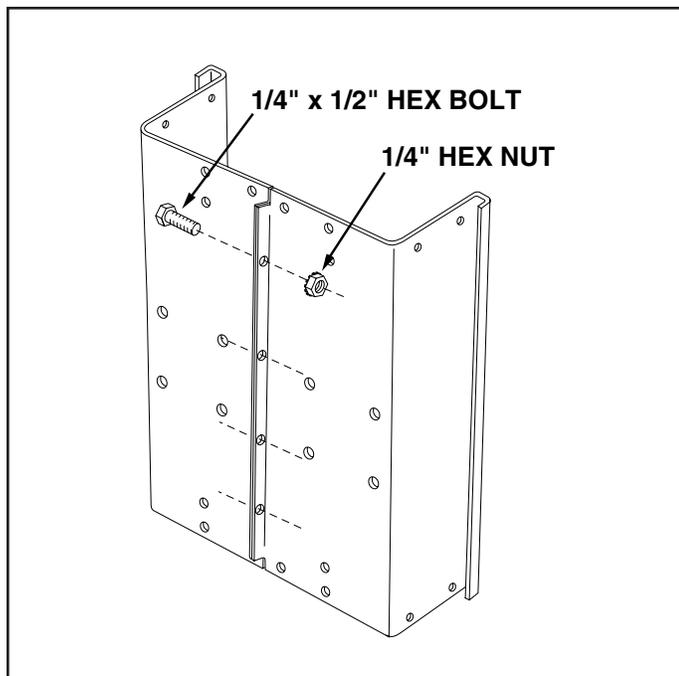


FIGURE 1

5. Position the tailgate reinforcement bracket on outside of cart as shown in figure 2. Assemble to the bottom of the cart body using four 5/16" x 3/4" truss head bolts and 5/16" hex nuts. **Do not tighten yet.** See figure 2.
6. Position the tailgate guides on the inside of the cart bodies with guide channels to the front as shown in figure 2. Assemble using four 1/4" x 1/2" hex bolts and 1/4" hex nuts. **Do not tighten yet.** See figure 2.

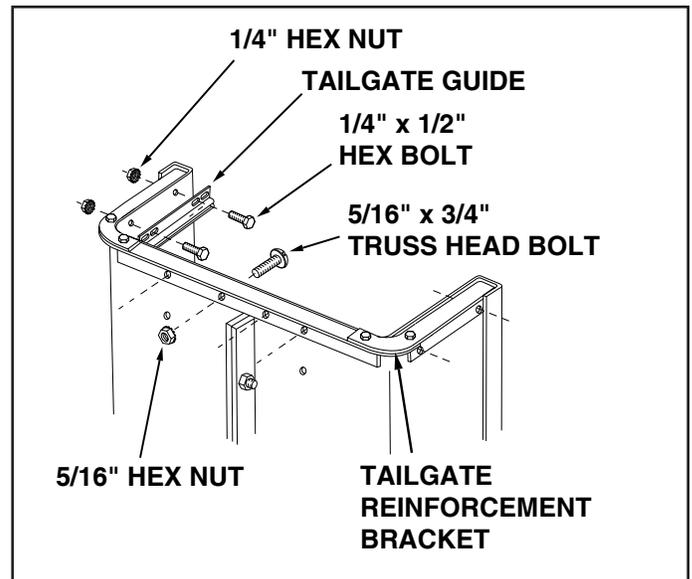


FIGURE 2

7. At this time, with the cart body halves pulled together, **tighten** the four truss head bolts assembled in step 5 and then the four hex bolts assembled in step 6. Leave loose for now the bolts that were assembled in step 4.
8. Carefully reverse the position of the cart so that it rests on the end with the tailgate reinforcement bracket, as shown in figure 3. Proceed with the assembly steps which follow.

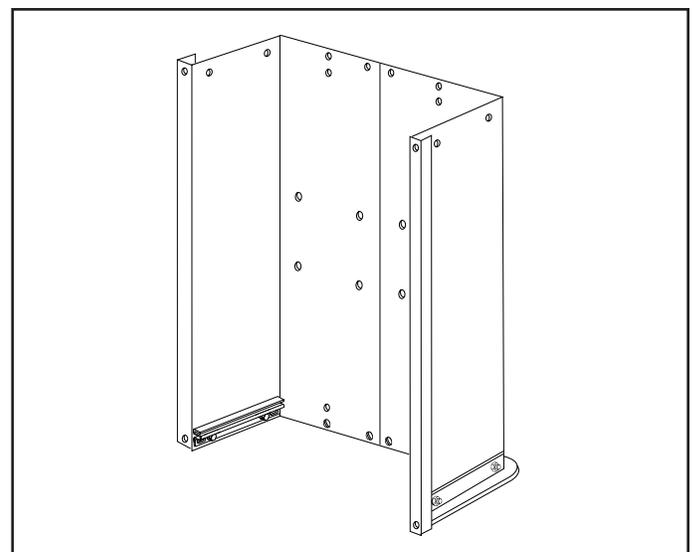


FIGURE 3

9. Assemble the front panel over the end of the cart using six 1/4" x 1/2" hex bolts and 1/4" hex nuts as shown in figure 4. Leave two holes in the bottom of the panel empty as shown. With the cart body halves pulled together, **tighten** the bolts in the bottom of the front panel, then **tighten** the bolts in the sides. See figure 4.

10. At this time **tighten** the bolts assembled in step 4, which fasten the bottom of the cart together.

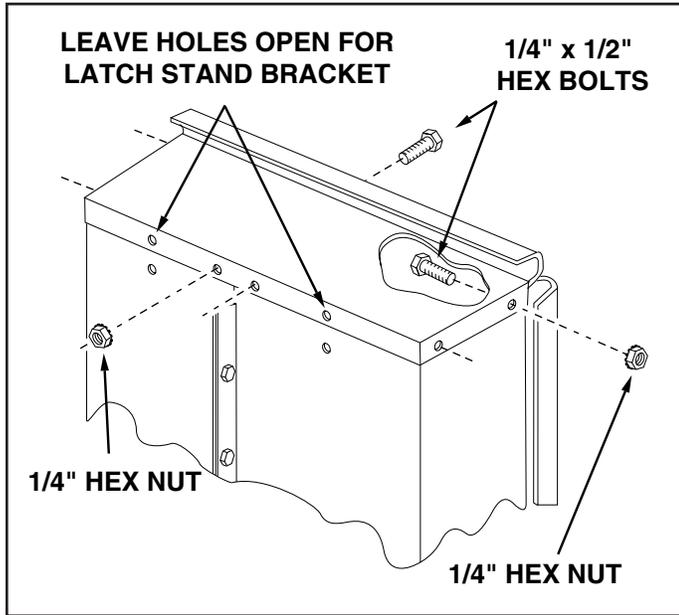


FIGURE 4

11. Assemble the wheel support to the cart using eight 5/16" x 3/4" truss head bolts and 5/16" hex nuts as shown in figure 5. Heads of bolts go on the inside of the cart. **Tighten**.

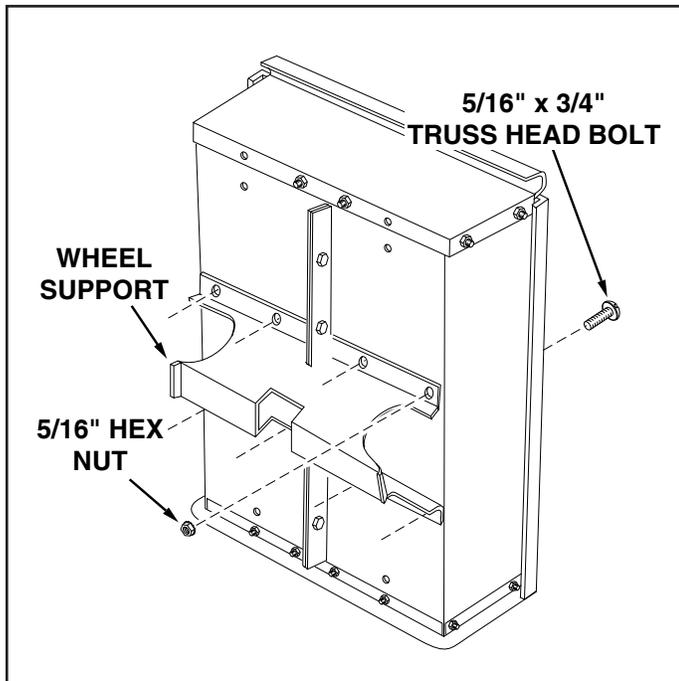


FIGURE 5

12. Turn the latch stand bracket so that the aligning tab is at the rear (bottom) of the bracket. Assemble the latch stand bracket to the cart using four 1/4" x 1/2" hex bolts and 1/4" hex nuts. **TIGHTEN**. See figure 6.

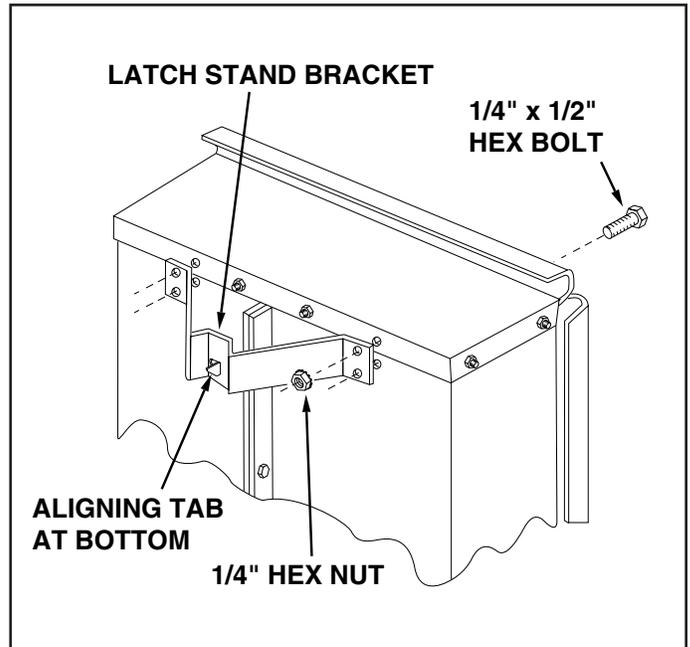


FIGURE 6

13. Assemble the two corner caps to the front corners of the cart using four 1/4" x 1/2" hex bolts and 1/4" hex nuts. Also assemble two 1/4" x 1/2" hex bolts and 1/4" hex nuts to the two rear corners of the cart. **Tighten**. See figure 7.

14. To prevent accidental tipping during the following as-

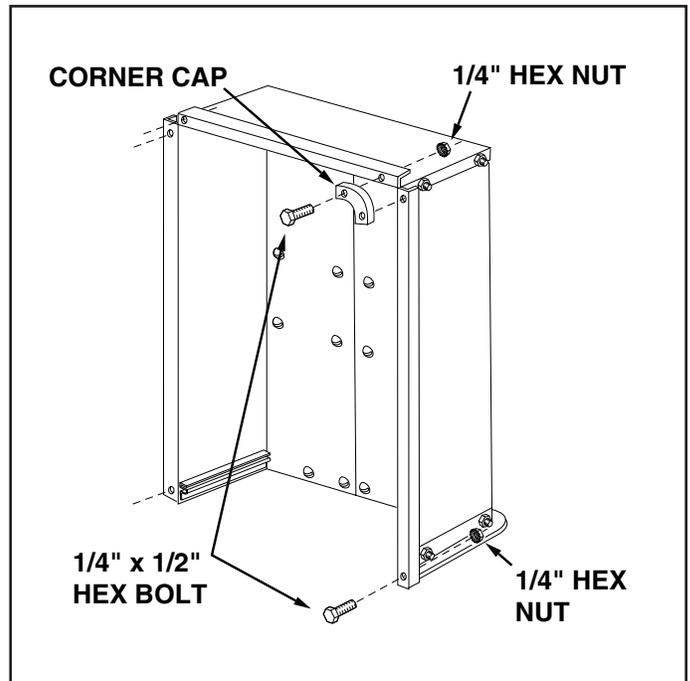


FIGURE 7

sembly procedures, lower the cart to rest upside down on its top flanges, so that the wheel support is facing up. See figure 8.

- Assemble both axle brackets to the wheel support using eight 5/16" x 3/4" hex bolts and 5/16" hex lock nuts. Place the welded tubes to the inside. See figure 8.

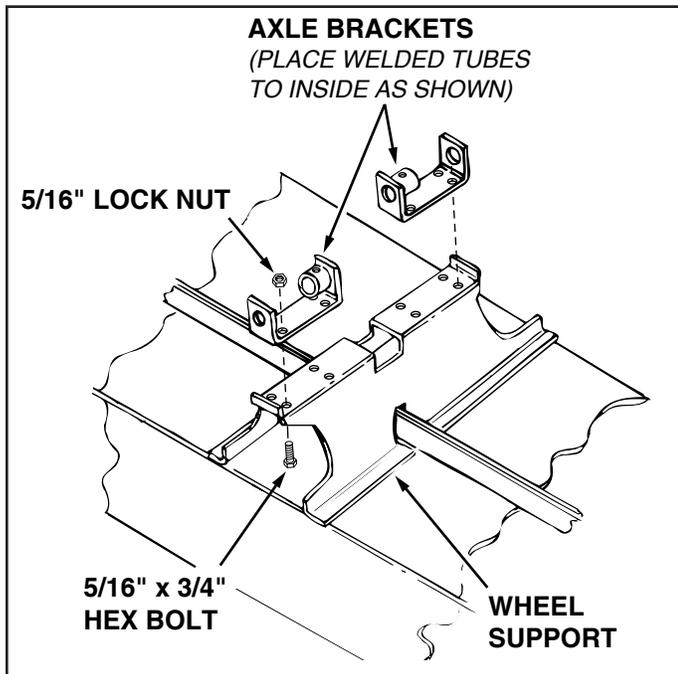


FIGURE 8

- Place the tongue, open side facing up, onto the wheel support and the latch stand bracket. See figure 10.
- Place a long spacer tube on each side of the tongue and assemble the axle through the wheel support, the two spacer tubes and the tongue. Secure the axle using two 1/4" x 1-3/4" hex bolts and 1/4" hex nuts. **Tighten**. See figure 9.

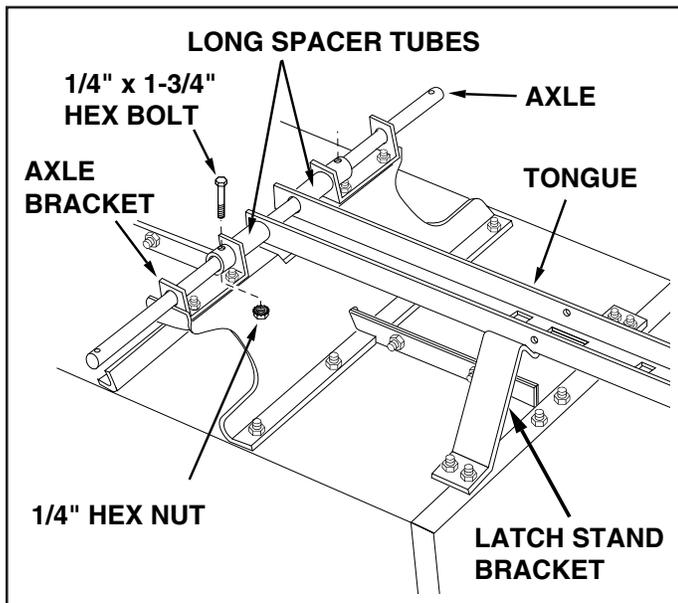


FIGURE 9

- Place the latch lock lever through the slot in the tongue as shown in figure 10. Assemble the 5/16" x 3-3/4" hex bolt through the tongue, the lever and two 5/16" hex nuts (one on each side of the lever). Assemble the 5/16" hex **lock** nut onto the end of the bolt and **tighten** so that the bolt can still rotate freely. **Tighten** the two 5/16" hex nuts against the sides of the latch lock lever so that the lever is centered in the slot. See figure 10.

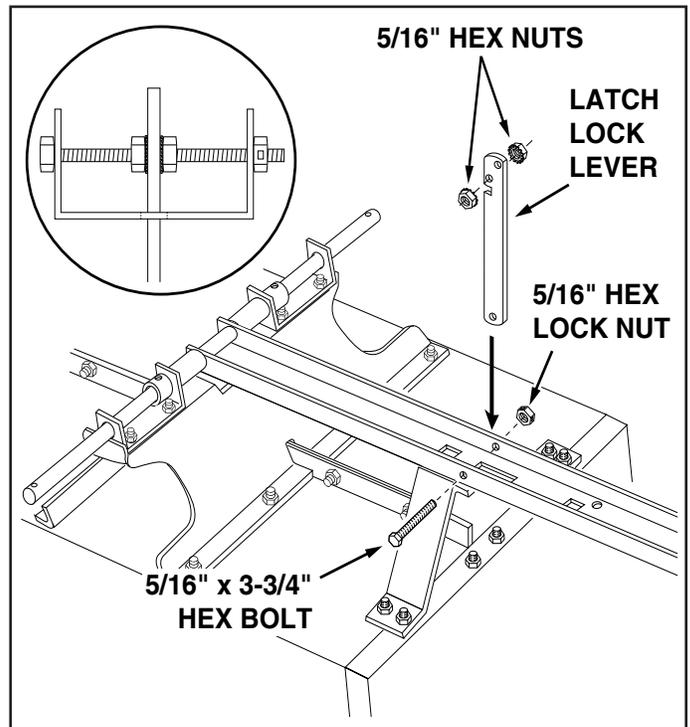


FIGURE 10

- Hook the **short** end of the spring into the hole in the latch lock lever. Use the spring puller tool to hook the **long** end of the spring into the square hole in the tongue. The spring puller tool can be stored when finished. See figure 11.

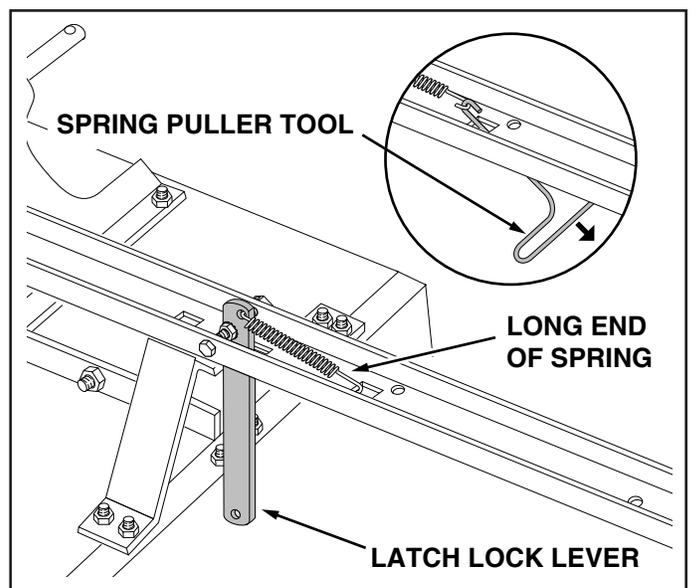
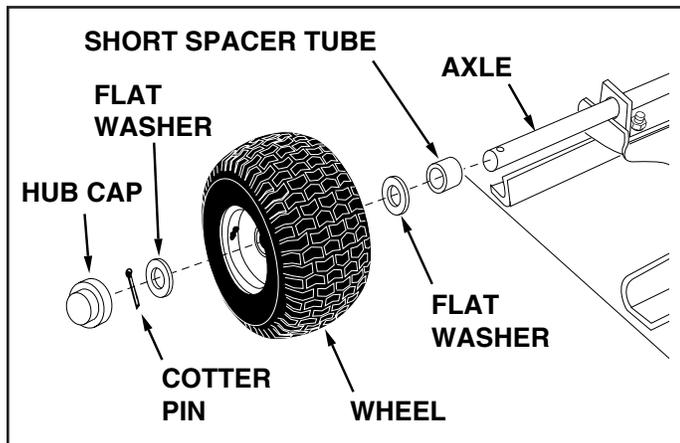


FIGURE 11

20. Assemble a short spacer tube, a 1" flat washer, a wheel (valve stem facing out), and another 1" flat washer onto the axle. Secure with a cotter pin, spreading the ends so that a hub cap can fit over the pin. Assemble the hub cap by pressing it onto the flat washer. Repeat on other end of axle. See figure 12.

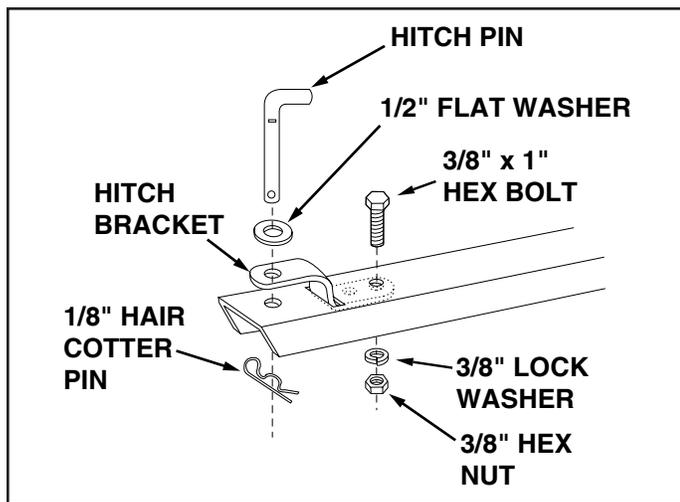
**NOTE:** Fill wheel hub with automotive type grease after wheel is assembled onto axle.



**FIGURE 12**

**IMPORTANT:** Make sure the tongue is securely locked to the latch stand bracket by the latch lock lever.

21. Turn the cart over so that it rests right side up on its wheels.
22. Assemble the end of the hitch bracket (two holes) down through the slot at the front of the drawbar tongue. Fasten it to the tongue using the 3/8" x 1" hex bolt, 3/8" lock washer and 3/8" hex nut. **Tighten.** See figure 14.
23. Assemble the hitch pin and 1/2" flat washer to the tongue/hitch bracket and secure with the 1/8" hair cotter pin. See figure 14.



**FIGURE 14**

24. Place the tailgate down into the tailgate guides so that the holes in the bottom lip of tailgate fit over the slotted head screws in the bottom of the cart.

## OPERATION



**CAUTION: VEHICLE BRAKING AND STABILITY MAY BE AFFECTED WITH THE ADDITION OF AN ACCESSORY OR AN ATTACHMENT. BE AWARE OF CHANGING CONDITIONS ON SLOPES.**

1. Refer to the vehicle owners manual for instructions on safe operation on slopes.
2. Use the slope guide provided on page 9 of this manual to determine if slope angle is too steep for safe operation.
3. For best handling and traction, distribute the weight of the load evenly in the cart.
4. Always test to make sure your tractor has adequate towing and braking capabilities whenever hauling a substantial amount of weight in your cart. Use extra caution when operating on slopes.



### NOTE

#### **DO NOT EXCEED WEIGHT CAPACITY OF CART**

(See the specifications on this page for each model)  
*One cubic foot of dirt weighs approximately 150 lbs.*

5. To dump material from the cart, remove the tailgate by lifting it straight up and out from between the guides. Release the spring latch on the tongue by pulling the latch lock handle forward, away from the cart. The cart bed will then tilt backwards to empty its contents. After emptying, pull the front of the bed down toward the cart tongue until the latch snaps into place. Replace the tailgate if desired.
6. The maximum towing speed for this cart is 10 m.p.h.



**CAUTION: TO AVOID POSSIBLE INJURY, BEFORE RELEASING THE LATCH BE SURE THAT NO ONE IS NEAR THE CART.**

## MAINTENANCE

1. At the beginning of each season, using a light machine oil, lubricate the latch, the latch pivot bolt, and the area of the axle where the draw bar tongue pivots .
2. Grease the wheel bearings periodically. Apply an automotive wheel bearing type grease through the grease zerk in the wheel hub.
3. Check periodically for loose bolts.
4. Keep tires filled. Do not exceed maximum tire pressure of 10 Lbs.

### **SPECIFICATIONS FOR "ATV" DUMP CART MODEL 45-02172**

**Tires:** 20.0" x 10.0" Pneumatic, Turf  
Tread

**Axle:** 1.0" Dia. Steel

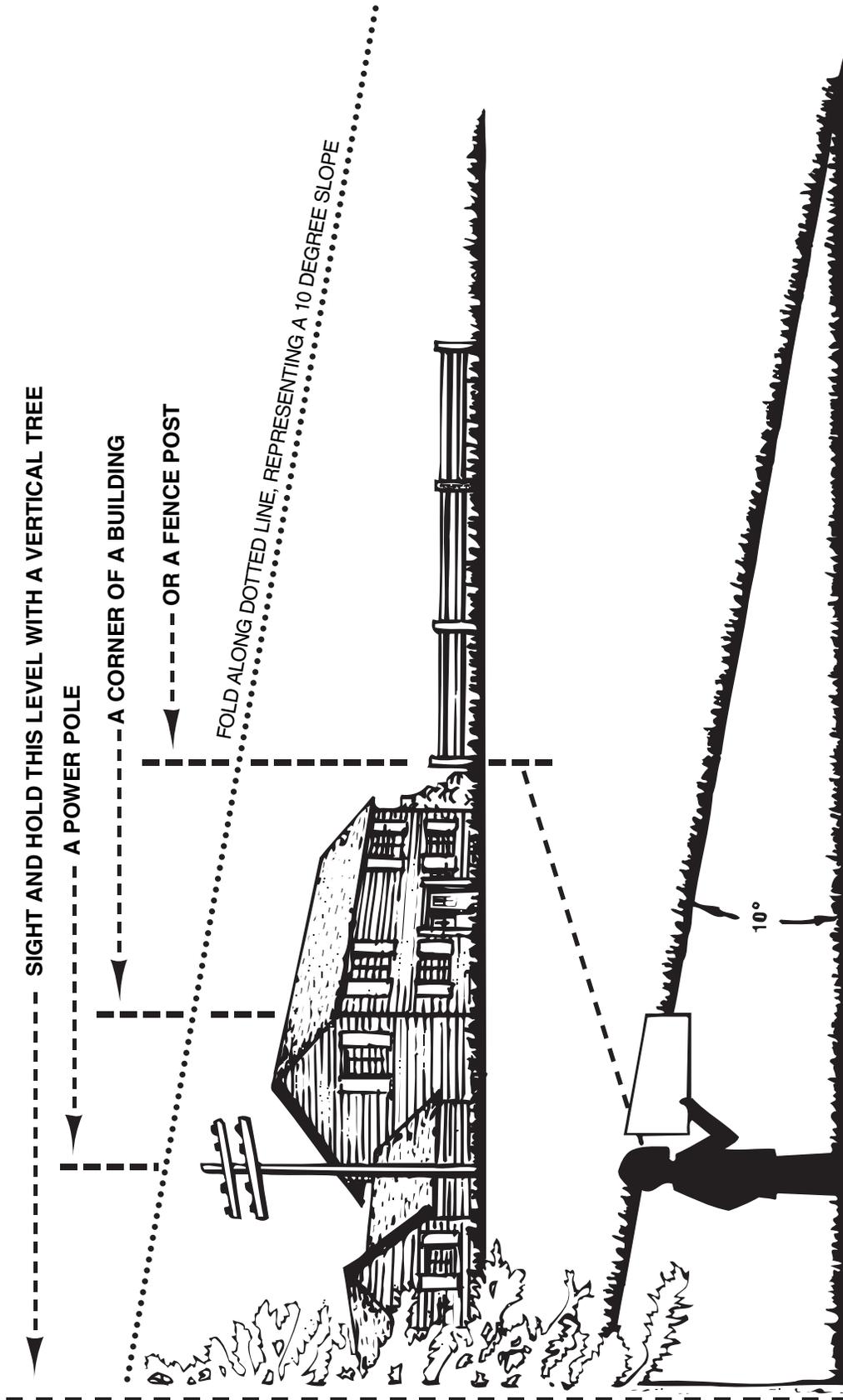
**Capacity:** Up to 1700 Lbs. Max.

**Approx. Sh. Wt.** 195 Lbs.

# SLOPE GUIDE

(Keep this sheet in a safe place for future reference.)

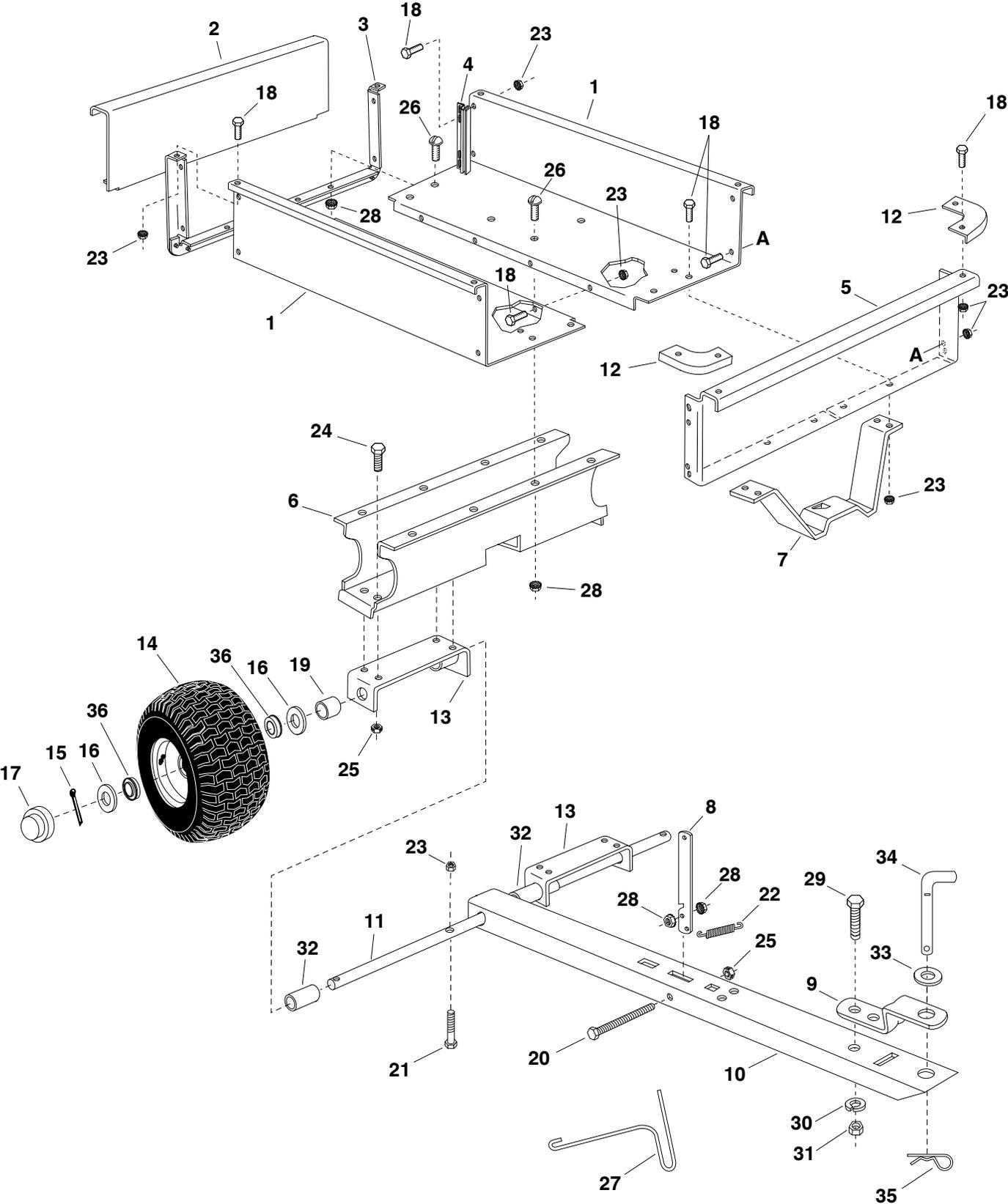
Use this guide to determine if a slope is safe for the operation of your tractor and cart. Refer also to the instructions in your vehicle owners manual.



**CAUTION: DO NOT OPERATE YOUR TRACTOR AND CART ON A SLOPE IN EXCESS OF 10 DEGREES. BE SURE OF YOUR TRACTOR'S TOWING AND BRAKING CAPABILITIES BEFORE OPERATING ON A SLOPE. AVOID ANY SUDDEN TURNS OR MANEUVERS WHILE ON A SLOPE.**



# REPAIR PARTS FOR CART MODELS 45-02172 & 190-521-100



## REPAIR PARTS LIST FOR CART MODELS 45-02172 & 190-521-100

REF. NO.	PART NO.	DESCRIPTION	45-02172	190-521-100
1	23984	Cart Body	2	2
2	23504	Tailgate	1	1
3	62457	Tailgate Reinforcement Bracket	1	1
4	23548	Guide, Tailgate	2	2
5	23490	Front Panel	1	1
6	23821	Wheel Support	1	1
7	24757	Latch Stand Bracket	1	1
8	24498	Latch Lock Lever	1	1
9	23014	Hitch Bracket	1	1
10	24756	Tongue (Draw Bar)	1	1
11	24462	Axle, Wheel 1" Dia.	1	1
12	23484	Cap, Front Corner	2	2
13	62359	Axle Bracket Assembly	2	2
14	47049	Wheel, 20.0" x 10.0"	2	---
	43649	Wheel, 20.0" x 10.0"	---	2
15	43093	Cotter Pin, 1/8" Dia. x 1-1/2"	2	2
16	43601	Washer, Flat 1.032"	4	4
17	43014	Hub Cap	2	2
18	43175	Hex Bolt, 1/4-20 x 1/2" *	24	24
19	45132	Spacer Tube (Short)	2	2
20	47407	Hex Bolt, 5/16-18 x 3-3/4"	1	1
21	1509-69	Hex Bolt, 1/4-20 x 1-3/4" *	2	2
22	47408	Spring	1	1
23	46978	Hex Nut, 1/4-20 Thread *	26	26
24	43182	Hex Bolt, 5/16-18 x 3/4" Lg.*	8	8
25	43064	Hex Lock Nut, 5/16" Thread	9	9
26	43814	Slit. Truss Hd. Bolt, 5/16-18 x 3/4" Lg.*	12	12
27	47622	Spring Puller Tool	1	1
28	46980	Hex Nut, 5/16-18 (SEMS)	14	14
29	43001	Hex Bolt, 3/8-16 x 1" Lg. *	1	1
30	43003	Lock Washer, 3/8" *	1	1
31	43015	Hex Nut, 3/8-16 Thread *	1	1
32	44678	Spacer Tube (Long)	2	2
33	R19171616	Flat Washer, 17/32" x 1"	1	1
34	46065	Pin, Hitch	1	1
35	43343	Hair Cotter Pin, 1/8"	1	1
36	47512	Wheel Bearing	4	4
	48457	Owners Manual	1	1

\* Purchase Common Hardware Locally

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