

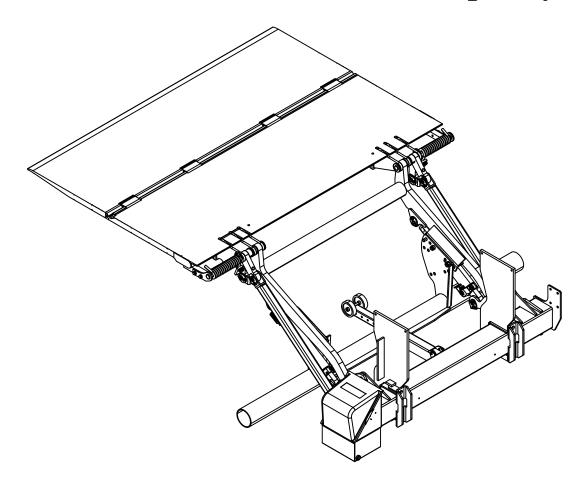
OWNER'S / OPERATOR'S MANUAL

Woodbine, Iowa



- Safety Information
- Warranty Information
- Operator's Instructions
- Maintenance Instructions
- Parts List

TKR Tuckunder Series 4000 lb Capacity



PLEASE KEEP IN VEHICLE



Before installing or using this liftgate, please observe the Vehicle Loading
Limitations. These loading limitations are outlined in the Vehicle Owner's Manual
and the Safety Compliance Certification Label located on the driver's door pillar. CAUTION

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TO THE OWNER\OPERATOR:

Read this manual completely before using your gate. Operate and maintain your gate safely as outlined in this manual. Be sure you read and understand all operating, safety, maintenance and service information. Should you need repair or service information, contact Tommy Gate or an authorized distributor for assistance.



This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.



DANGER indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury.



WARNING indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.



CAUTION indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury.



CAUTION indicates a potentially hazardous situation which, if not avoided, may result in property damage.

Safety is a primary concern in the design and manufacture of our products. Unfortunately, our efforts to provide safe equipment can be wiped out by a single careless act of an operator.

Accident prevention and safety are dependent upon the awareness, concern, prudence and proper training of the personnel who operate, transport, maintain and store this equipment. It is your responsibility to use good judgment in the operation of this equipment.

It has been said that "the best safety device is an informed, careful operator." We ask you to be that kind of operator.

DECAL LOCATIONS AND DESCRIPTIONS

Locate and read all decals prior to operating gate

REPLACE IF MISSING OR NOT READABLE

⚠ WARNING

Read maintenance and service information

Frequently check liftgate components and safety devices for wear or damage and repair as necessary.

Do not modify or disable safety features.

Do not try to lift or lower more than the rated capacity of the lift.

Never allow children or any untrained person to operate the lift

Do not show children or others how to operate the lift.

When the lift is not in use, is unattended, or the vehicle is moving, the platform should be closed and latched with control secured.

Decal No. 1 Located on the curb side on back of main platform.



Decal No. 2 Located on each main platform lid end.



Decal No. 3 Located on the curb side on back of main platform.





Do not ride the platform.

This lift is not designed as a wheelchair or personnel lift.

Center Load

Center load on platform side to side and front to back.



Never allow children or any untrained person to operate the lift.

Do not show children or others how to operate the lift.

When the lift is not in use or unattended, the platform should be closed and latched with control secured.

Decal No. 4
Located on the curb side on back of main platform.



Decal No. 5 Located on the outside of the lifting arm at the passenger side

DECAL LOCATIONS AND DESCRIPTIONS



Read operator's manual before operating equipment.

Do not modify lift or its safety features.

Use only Tommy Gate service parts installed by an authorized distributor.

If additional assistance is needed, call Tommy Gate at 800-543-8428.

Do not exceed the rated lift capacity-

Decal No. 7

Located on the curb side on back of main platform.



Decal No. 8 Located on each main platform lid end.



Decal No. 10 Located next to each coil spring.



Decal No. 6
Located in the pump box and inside
of the curb side arm.



Before removing box cover do the following:

1) Lower platform to ground or close and latch.

2) Disconnect positive battery cable(s).

Decal No. 9

Located on the pump cover.

DECAL LOCATIONS AND DESCRIPTIONS



Liftgate is not to be used as a scale.

Liftgate may lift more than its rated capacity.

Be aware of how much is being lifted and never exceed the rated capacity of the liftgate.

Be aware of how much is being hauled and never exceed the rated capacity of the vehicle.

Decal No. 11 Located on the curb side on back of main platform.



Decal No. 12 Located at the arm link support.



Decal No. 13 Located on the curb side on back of main platform.

DECAL REPLACEMENT

NOTE: When ordering Decals, please have Decal Numbers available.

To replace decal, clear area of grease and dirt with non-flammable solvent and soap and water. Allow to dry. To apply decal, peel off 1/2 of back. Hold decal squarely and apply to cleaned surface. Peel off remaining back and smooth in place. Gently rub decal with a damp rag or sponge to smooth out bubbles. (The decal has a pressure-sensitive adhesive on the back.)

If the liftgate <u>is</u> going to be painted, you need to mask the decals before painting. Remove the mask **after** painting so the decals can be read clearly.

TKR TUCKUNDER TERMS AND METHOD OF OPERATION

Your Tommy Gate is connected to your vehicle battery. The vehicle battery powers a motor, coupled to a hydraulic pump. This motor and pump combination is called a power unit. Flow from the pump extend two cylinders attached to the upper arm assembly that lift the gate platform. Check valves blocks return flow from each cylinder to the pump and a pressure relief valve prevents the gate from being overloaded.

!Warning: Liftgate is not to be used as a scale. Liftgate may lift more than its rated capacity. Be aware of how much is being lifted and never exceed the rated capacity of the liftgate. Be aware of how much is being hauled and never exceed the rated capacity of the vehicle.

Placing the toggle switch into the lower position will direct the pump flow to retract the cylinders attached to the lift arms and the platform will lower. Once the lower arm contacts the ground the cylinder will continue to retract and will tilt the platform's taper end down.

The terms used to describe parts of the tuckunder in this manual can be found in (Figure 1).

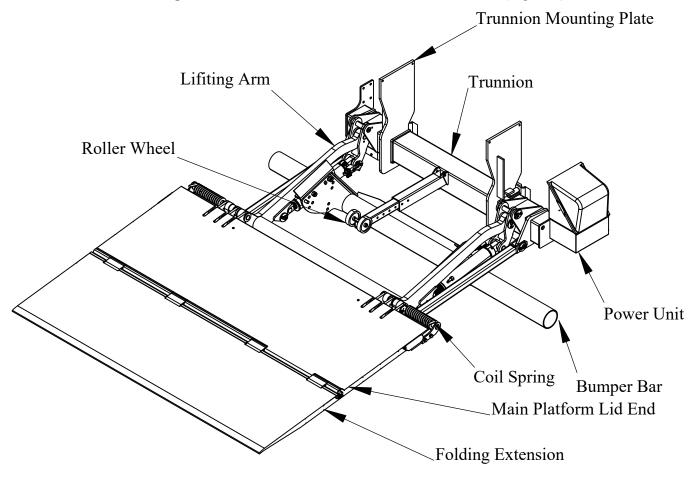


Figure 1: Tuckunder terms.

!Caution:

Never leave the truck with the platform on the ground, partially raised, or open.

Never show children or unauthorized personnel how to operate the gate.

To prevent children or unauthorized personnel from operating the lift, be sure the gate is in the stored position and both the driver's side and passenger's side latches are secured. Make sure the passenger's side latch padlock is installed and the control is deactivated before leaving the truck unattended.

!Warning: The Tommy Gate is an industrial product for material handling only and is not to be used as a personnel or wheelchair lift. Do not ride on the platform and always stand clear of the platform when opening, raising or lowering.

TKR TUCKUNDER OPERATOR'S INSTRUCTIONS

- Step 1. Never show children or unauthorized personnel how to operate the liftgate.
- Step 2. Clear away obstructions that could damage the platform while the load is being raised or lowered.
- Step 3. Do not ride on the Platform. Be sure to stand to the side of the lift, not behind it when opening the platform.
- Step 4. To turn the control power on, press the "POWER ON" hidden switch once, marked with white rings or circles (located below the Tommy Gate logo). You should see the amber LED "POWER ON" light when the control is armed. To disarm the control press the "POWER ON" hidden switch again. Terms used for the control are shown in (Figure 2).

To activate the control, press the "LIFTGATE ACTIVATED" hidden switch twice within one second (located under the Tommy Gate logo). You should see the red "LIFTGATE ACTIVATED" light when the control is activated. To lower the platform, push the control toggle switch down. To raise the platform, push the control toggle switch up. When you remove pressure from the control toggle switch, the operation will stop.

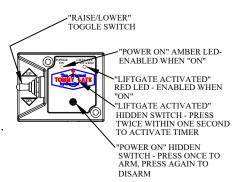


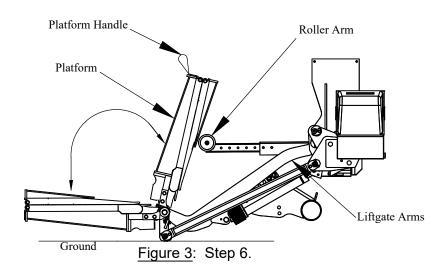
Figure 2: Control terms.

After you have activated the control by pressing the "LIFTGATE ACTIVATED" hidden switch twice within one second (located under the Tommy Gate logo), you have approximately 5 minutes to use the gate. If the gate is not used for approximately 5 minutes, the "LIFTGATE ACTIVATED" time deactivates the control.

If the gate is used during the 5 minutes, the "LIFTGATE ACTIVATED" timer automatically resets for an additional 5 minutes. To reactivate the timer, press the "LIFTGATE ACTIVATED" hidden button twice.

Note: If your gate includes a pendant control, the operation of the pendant will be the same but the "LIFTGATE ACTIVATED" timer will be 90 seconds.

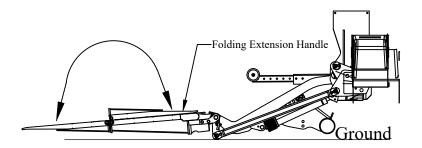
- Step 5. To lower the liftgate, stand off to the side, well clear of the liftgate, and push down on the control toggle. The platform will rotate under the truck as the liftgate is lowered.
- Step 6. With the liftgate arms touching the ground, stand off to the side, and unfold the platform (Figure 3).



TKR TUCKUNDER OPERATOR'S INSTRUCTIONS

- Step 7. Stand off to the side and unfold the platform folding extension (Figure 4).
- Step 8. To lower the platform to the ground push down on the control toggle. The platform will lower and the taper will tilt until the platform taper touches the ground (Figure 5).
- Step 9. To load and use the liftgate, center the load on the platform side to side and front to back (Figure 6). Put heavier loads as close to the front of the platform as possible (near truck). Platform cart stops may be actuated at this time, if equipped.

Note: Liftgate capacity depends on both the weight and location of the load. Loads placed closer to the taper may reduce lifting capacity or damage the liftgate.



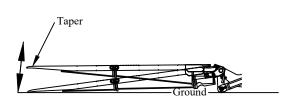


Figure 4: Steps 7 and 13.

Figure 5: Step 8.

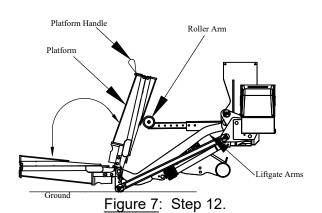
- Step 10. To raise (or lower) the load, stand off to the side, well clear of the platform and push up (or down) on the control toggle switch until the load has reached the desired position. Do not allow the pump and motor to continue to run after the platform has reached it's maximum height or after it has reached an obstruction.
- Step 11. To close the platform, stand to the side of the platform, not under or behind the platform. With the liftgate lowered, close and lock the platform cart stops, if so equipped, then fold the folding extension by lifting on the handle (Figure 4).
- Step 12. With the liftgate arms touching the ground, stand to the side of the platform, and fold the platform closed until it rests on the roller arm (Figure 7).
- Step 13. Raise the liftgate by pushing up on the control toggle. The platform will rotate under the truck into the stowed position.

The liftgate will automatically shut off once the platform has reached and contacted the Platform Sensor.



Figure 6: Step 9.

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TKR TUCKUNDER PLATFORM ADJUSTMENT INSTRUCTIONS

If the platform is no longer at the desired angle with the ground, it may need adjustment. The following instructions will aid you in making the adjustment.

- Step 1. Position the liftgate so that the lift arms are touching the ground, but the platform is still folded (Figure 8).
- Step 2. Loosen Adjustment Screw to increase the platform angle relatively to the ground. Tighten the Adjustment Screw to decrease the platform angle relative to the ground.
- Step 3. Unfold the platform and folding extension.
- Step 4. Verify that the angle of the platform is acceptable.
- Step 5. Store the Liftgate.

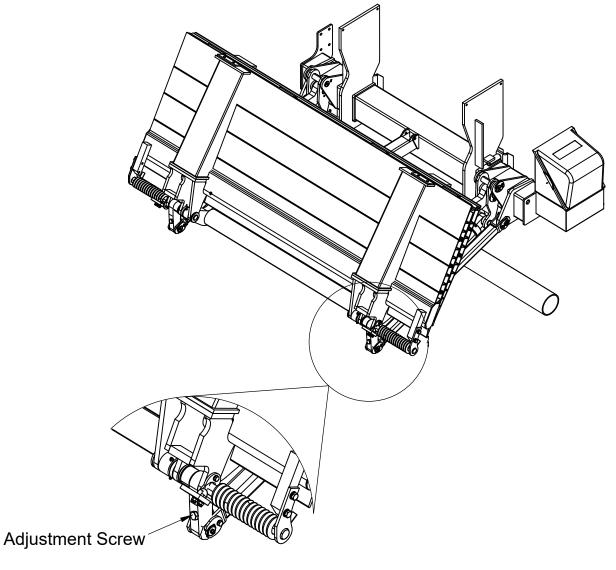


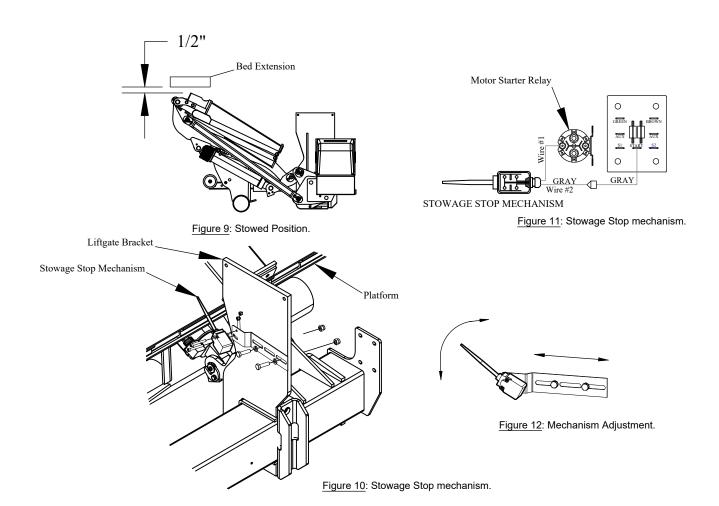
Figure 8: Platform Adjustment Screw location.

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TKR TUCKUNDER STOWAGE STOP MECHANISM ADJUSTMENT INSTRUCTIONS

If the platform is no longer at stopping, when folded, at the desired position to avoid contact with the deck extension, the Stowage Stop Mechanism may need adjustment. The following instructions will aid you in making the adjustment.

- Step 1. **Position** the platform in the stowed position, leaving a gap of 1/2" between the closed platform and the under structure of the Bed Extension (Figure 9).
- Step 2. **Position** the Stowage Stop mechanism and it's bracket in a position where the tip of the sensor will be in contact with the aluminum platform, on the inside portion of the liftgate bracket (Figure 10). This can be done on either the right or left side liftgate bracket.
- Step 3. **Drill** two holes in the liftgate bracket and bolt the Stowage Stop mechanism bracket using the 2x M8 bolts and nuts provided in the Stowage Stop mechanism bag.
- Step 4. **Bolt** the Stowage Stop mechanism to its bracket using the 2x M5 bolts and nuts provided in the Stowage Stop mechanism bag (Figure 10).
- Step 5. **Disconnect**, at the power unit, the grey wire that goes to the Motor Starter Relay.
- Step 6. Connect wire #1 to the Motor Starter Solenoid and wire #2 to the grey wire removed on step 5 (Figure 11).
- Step 7. **Adjust** the position of the Stowage Stop mechanism, by loosing one of the M5 bolts, to where the liftgate power shuts off before hitting the deck extension (Figure 12).





ELECTRICAL WIRING DIAGRAM Standard Fixed Control - TKR Tuckunder

PLEASE READ AND FOLLOW ALL DIRECTIONS BEFORE PROCEEDING



NOTE !!! IF GATES ARE NOT WIRED IN ACCORDANCE WITH THIS DIAGRAM YOUR WARRANTY WILL BE VOID.



WELDING NOTE !!! DISCONNECT ALL BATTERY CABLES.
ALWAYS DISCONNECT THE GROUND CABLE FIRST. ATTACH THE
WELDING GROUND TO THE TRUCK RATHER THAN THE LIFTGATE.

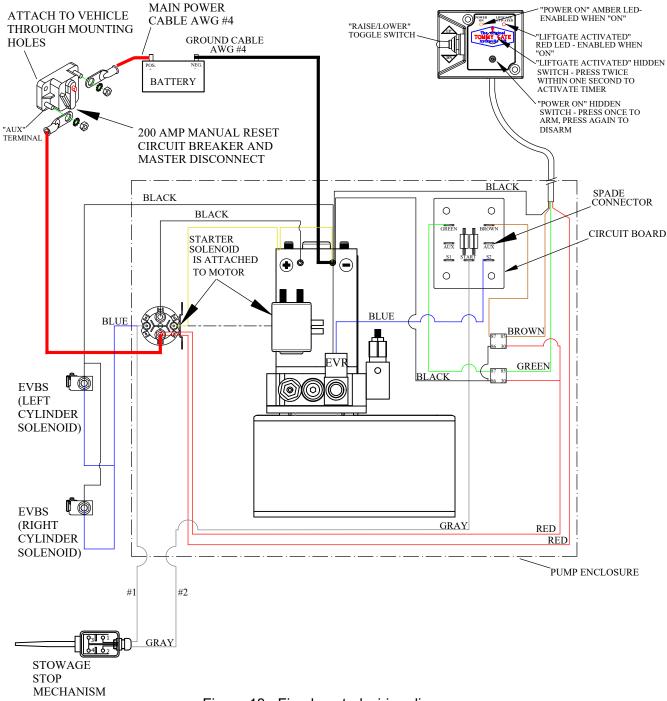


Figure 13: Fixed control wiring diagram.

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ELECTRICAL WIRING DIAGRAM Optional Pendant Control - TKR Tuckunder

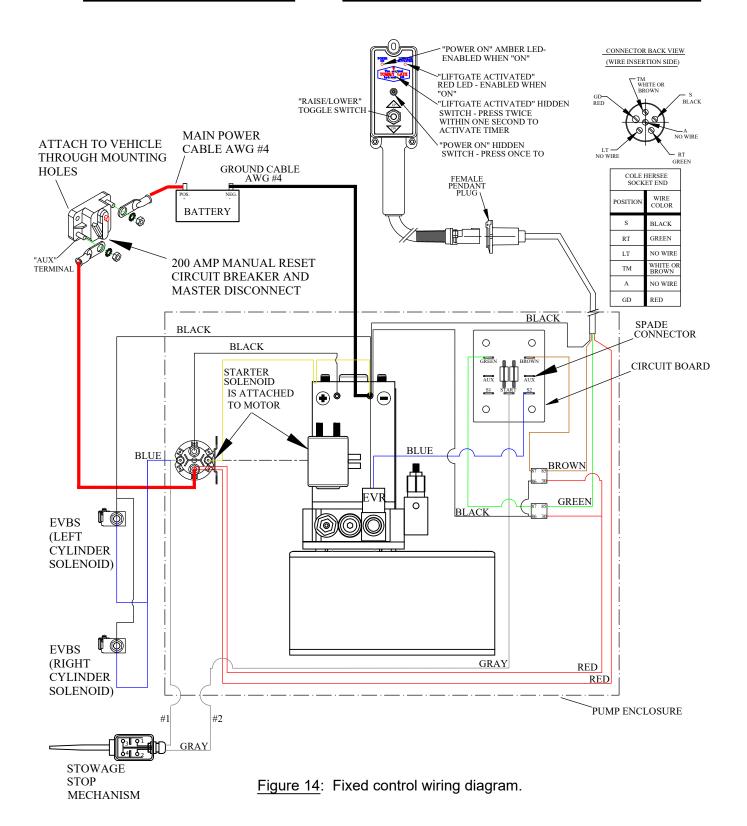
PLEASE READ AND FOLLOW ALL DIRECTIONS BEFORE PROCEEDING



NOTE !!! IF GATES ARE NOT WIRED IN ACCORDANCE WITH THIS DIAGRAM YOUR WARRANTY WILL BE VOID.



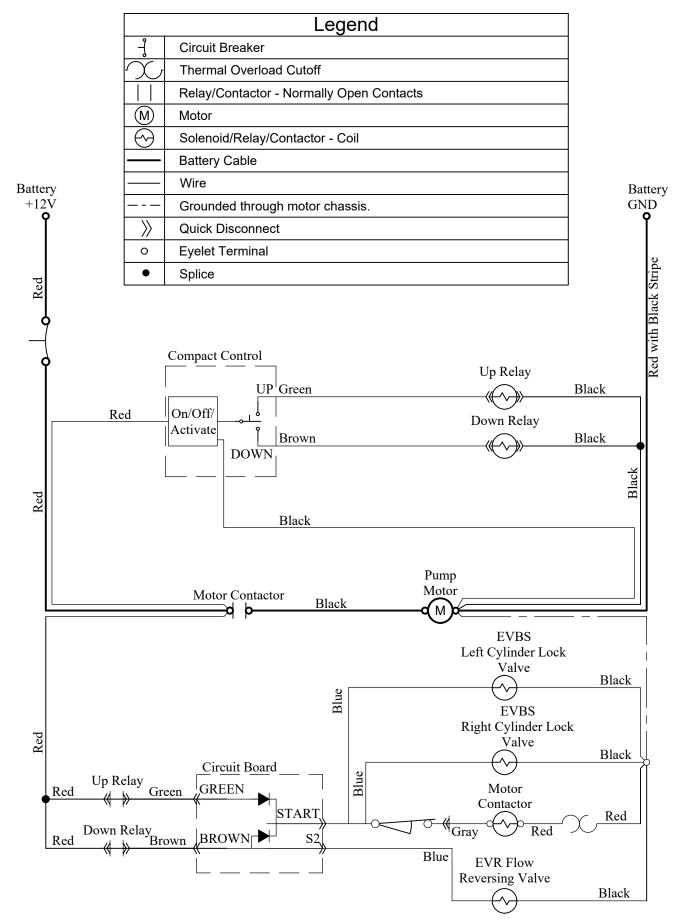
WELDING NOTE !!! DISCONNECT ALL BATTERY CABLES.
ALWAYS DISCONNECT THE GROUND CABLE FIRST, ATTACH THE
WELDING GROUND TO THE TRUCK RATHER THAN THE LIFTGATE



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Ladder Logic/Wiring Diagram





HYDRAULIC DIAGRAM

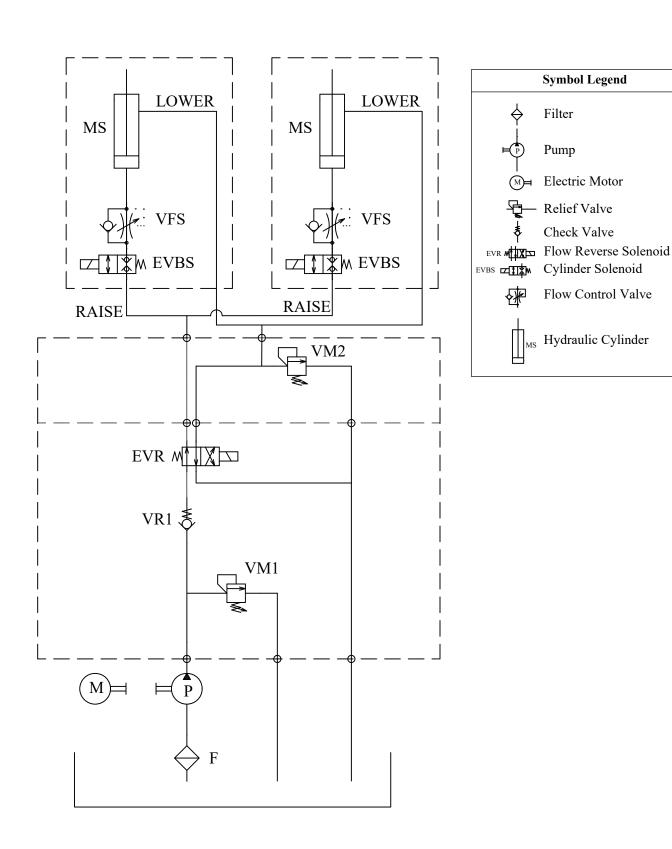


Figure 15: Hydraulic Diagram

THE ORIGINAL TOMMY GATE

HYDRAULIC COMPONENTS

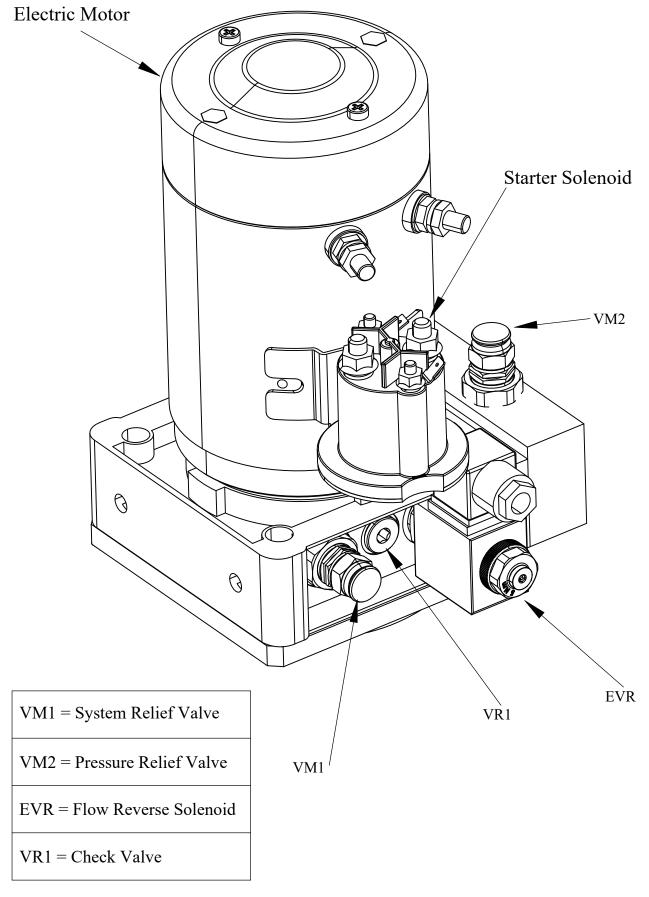


Figure 16: Hydraulic Components

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MAINTENANCE AND SERVICE INFORMATION

All installations, re-installations, and repairs of Tommy Gates should be performed by a qualified authorized distributor that is familiar with its operation and safety features. All replacement parts must be of original quality, and all safety and operational decals must be attached. No modifications are allowed to a Tommy Gate product unless authorized in writing by the Engineering Department at Tommy Gate.

As is with any mechanical product, a preventive maintenance program needs to be followed in order to keep it in its best operating condition. Please review this information and if you should have any questions, please call (712) 847-8000. Please have your model number and serial number available.

The Tommy Gate needs to be serviced every 120 days or 1500-2000 cycles, whichever comes first.

The lift will not be automatically serviced when the vehicle is serviced.

If there is any noticeable problem with the liftgate between service intervals, the liftgate must be taken out of service and checked immediately.

- (A) Remove the pump cover.
- (B) Check for fluid leaks from the cylinders, hoses, and all fittings (replace or repair if found to be leaking).
- (C) Check the oil level in the reservoir. With the liftgate platform at the bottom of its travel, the fluid should be two-thirds full. Add Tommy Gate winter grade or ISO grade 22 hydraulic oil if needed.
- (D) Replace any worn or missing parts before the liftgate is put back into service.
- (E) Check the welds on the deck extension, the liftgate, its mounting brackets, and on the adjacent vehicle structure for cracks or damage. Repair any cracks or damage.
- (F) Check the torque on all mounting bolts and re-tighten as necessary.
- (G) Check for wear at all pivot points.

 Do not grease composite bushings.
- (H) Check all electrical connections (clean or repair if needed).
- (I) Check electric cables for worn or damaged insulation.
- (J) Replace or clean safety decals, so that they are legible.
- (K) Check for proper operation of the control.
- (L) Reinstall the pump cover.

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TROUBLESHOOTING - 4000 LB TKR TUCKUNDER SERIES

PROBLEM	POSSIBLE CAUSE	REMEDIES
1.) The platform does not go up or goes up slowly, the pump motor runs normally	a.) Insufficient oil in the tank, the pump sucks in air.b.) EVBS solenoid valve not activated or blocked.c.) Faulty pump.	 a.) Add oil b1.) Check if, by activating the UP command, the solenoid valve receives electricity and/or check if the coil to see if it is magnetized and activating b2.) Replace the coil if necessary c.) Replace the pump
2.) The platform does not go up or goes up slowly, you can hear the pump motor runs more slowly	a.) Battery discharged.b.) Battery low due to weak alternator.	a.) Change or replace the battery.b.) Check the power supply cable.
3.) The platform does not go up or goes up slowly.	 a.) Main power supply cable contact terminal oxidized or corroded. b.) Ground cable contact terminal oxidized or corroded. c.) Electric motor brushes worn out. 	 a.) Thoroughly clean the contact terminals. Replace if necessary. b.) Thoroughly clean the contact terminals. Replace if necessary. c.) Repair motor. Stop use of platform, to avoid damaging the electric motor.
4.) The pump motor is not working.	a.) Faulty motor solenoid.b.) Motor brushes are worn out.c.) The motor's thermal switch is on.	 a.) Replace power relay b.) Replace motor c.) The motor is once again ready for use after it has cooled down for about 5 minutes. Remove the cover of the hydraulic unit to increase cooling.
5.) The pump motor won't stop.	a.) The motor starter relay remains engaged.	a.) Replace the motor starter relay.
6.) The platform goes down too quickly (maximum speed 0.5 ft/s).	a.) VFS flow adjusting valve is dirty or faulty.	a.) Replace valve.

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TROUBLESHOOTING - 4000 LB TKR TUCKUNDER SERIES

PROBLEM	POSSIBLE CAUSE	REMEDIES
7.) The platform goes down on its own remaining horizontal (i.e. 1 inch in 5 minutes).	a.) Leaking cylinder seals.	a.) Replace the cylinder seals.
8.) Platform does not go down.	a.) Cables or valves EVBS of the lifting cylinder or valve EVBS are defective.	a.) Replace the cables and/or valve
9.) Lift will not operate - "POWER ON" amber light does not come on.	 a.) Control not armed properly. b.) Poor electrical connection. c.) Polarity reversed. d.) Circuit breaker tripped or disengaged e.) Faulty control. 	 a.) Turn the power on at the contro by pressing the "POWER ON" hidden switch, marked with white rings or circles (located below the Tommy Gat logo). b.) Check and repair or replace all cables and connections. c.) Switch positive and negative cables. d.) Check for short, then manually engage circuit breaker. e.) Replace control.
10.) Lift will not operate - "LIFTGATE ACTIVATED" red LED light does not come on.	a.) "POWER ON" amber LED light is blinking.b.) Control not activated properly.c.) Faulty control.	 a.) Low voltage condition. Check and repair or replace all cables and connections. b.) Press the "LIFTGATE ACTIVATED" hidden switch twice within one second (located under the Tommy Gate logo). The red "LIFTGATE ACTIVATED" LED light should come on. c.) Replace control.
11.) Blinking amber "POWER ON" LED.	a.) Low voltage condition.b.) Poor grounds or connections.c.) Power connected or reconnected since last use	 a.) Check and clean or repair all electrical connections. Load test battery, then recharge or replace battery, if required. Reset control. b.) Repair, replace, clean as necessary. c.) Normal, press bullseye once to activate solid "POWER ON" amber LED.

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STANDARD WARRANTY TKR Tuckunder Series

The Tommy Gate Company provides a limited warranty against faulty materials or workmanship.

2-Year Warranty

Tommy Gate pump and motor unit parts are guaranteed for two (2) full years from date of user purchase against faulty materials or workmanship.

2-Year Warranty

Tommy Gates are guaranteed for (2) years from the date of user purchase against faulty materials or workmanship.

All affected parts must be returned to the factory prepaid - with full credit issued for those found to be defective. Warranty replacement parts will be shipped from the factory prepaid.

Labor charges to install warranty replacement parts shall be paid in accordance with Tommy Gate's estimated repair time guide and a flat hourly rate established by Tommy Gate.

DEVIATION FROM THE WARRANTY TIMES LISTED MUST BE AUTHORIZED BY TOMMY GATE COMPANY IN ADVANCE.

The warranty does not include damage resulting from improper installation procedures. Parts must be installed according to Tommy Gate Company's specifications.

Tommy Gate Company will not pay labor for removing other equipment to gain access to Tommy Gate Equipment. Tommy Gate Company will not pay labor for time on the road to and from a service call.

Tommy Gate Company reserves the right to disallow or reduce claims for parts which have been damaged due to misuse, accidents, improper shipping; or parts which have been incorrectly or unnecessarily replaced.

The warranty is void if the product has been subject to other than normal use. THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, INCLUDING THE WARRANTY OF MERCHANTABILITY OR A WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE EXTENDING BEYOND THAT SET FORTH ABOVE.

NOTE: SEE FOLLOWING PAGE FOR THE WARRANTY CLAIMS HANDLING PROCEDURE.

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WARRANTY CLAIMS HANDLING PROCEDURE

The following procedures are required when an authorized distributor submits a warranty claim for a defective Tommy Gate part:

- 1. Before any expense is incurred, but after the problem has been diagnosed, the authorized distributor should contact Tommy Gate Company's Warranty Department to discuss the problem and its correction.
- 2. If it is determined that the condition is potentially covered by Tommy Gate Company's warranty, the authorized distributor will receive instructions on how to proceed. A decision will be made to either repair or replace the product or part in question.
- 3. If the product or parts are to be repaired, the authorized distributor will receive a **WARRANTY REQUEST NUMBER.**
- 4. If the product or parts are to be replaced, the authorized distributor will be instructed to either hold the parts for inspection by a representative, in which case the authorized distributor will receive a WARRANTY REQUEST NUMBER, or the authorized distributor will be asked to return the product for inspection to Tommy Gate Company, in which case the authorized distributor will receive a RETURN GOODS AUTHORIZATION NUMBER. Under no circumstances are parts to be returned without a RETURN GOODS AUTHORIZATION NUMBER.
- 5. After the repair or replacement work is completed, the authorized distributor will submit the claim to Tommy Gate Company with the following information.
 - a. Tommy Gate Company WARRANTY REQUEST and/or RETURN GOODS AUTHORIZATION NUMBER.
 - b. Tommy Gate model number.
 - c. Tommy Gate serial number.
 - d. Tommy Gate part number involved and a description of the apparent problem or defect.
 - e. Authorized distributor performing warranty work.
 - f. Person responsible for warranty work (contact).
 - g. Distributor from whom liftgate was purchased.
 - h. Liftgate owner's name, address, and phone number.
 - i. Action taken, cost involved, complete with work orders and parts expense invoices.
- 6. If defective parts are to be returned to Tommy Gate Company they:
 - a. Must be packaged for each individual warranty return. No multiple warranty claims in the same box.
 - b. Must be returned "freight prepaid" to Tommy Gate Company's location.
 - c. Must be clearly marked with the **RETURN GOODS AUTHORIZATION NUMBER** on the outside of the package.

Warranty claims must be submitted by the Authorized Distributor on behalf of their customer as part of their customer assistance.

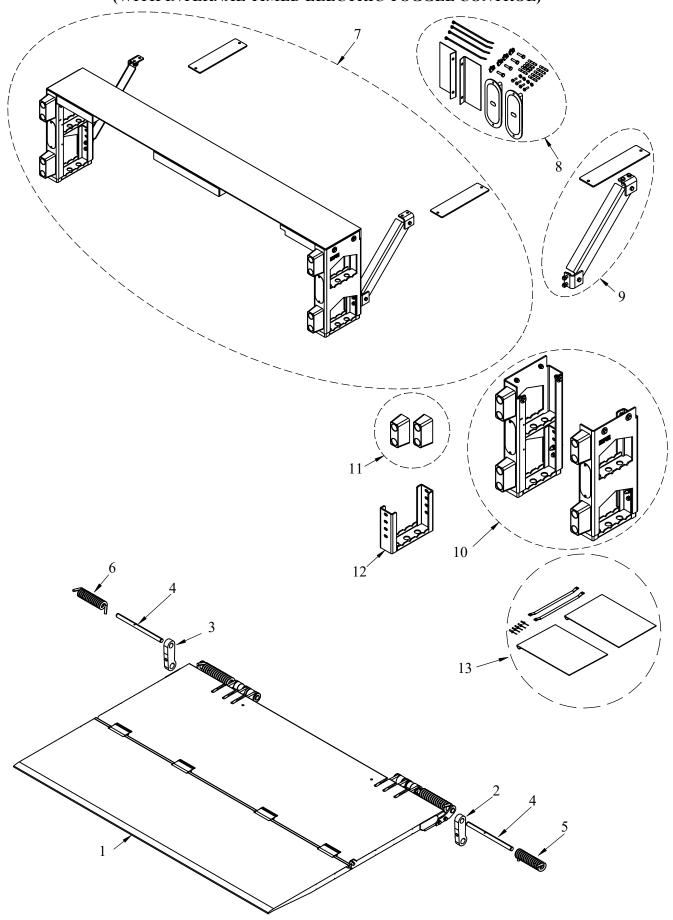
Warranty claim acceptance or rejection is based solely upon defective part inspection and a review of the claim date (outlined in step 5 above) as they apply to the requirements of Tommy Gate Warranty. Claim reimbursement after acceptance is governed by those allowances previously agreed upon between Tommy Gate Company and the Authorized Distributor (as outlined in Steps 1-4 above).

Any warranty claims submitted without a <u>WARRANTY REQUEST</u> <u>NUMBER</u> or <u>RETURN GOODS AUTHORIZATION NUMBER</u> and the necessary information will be denied.

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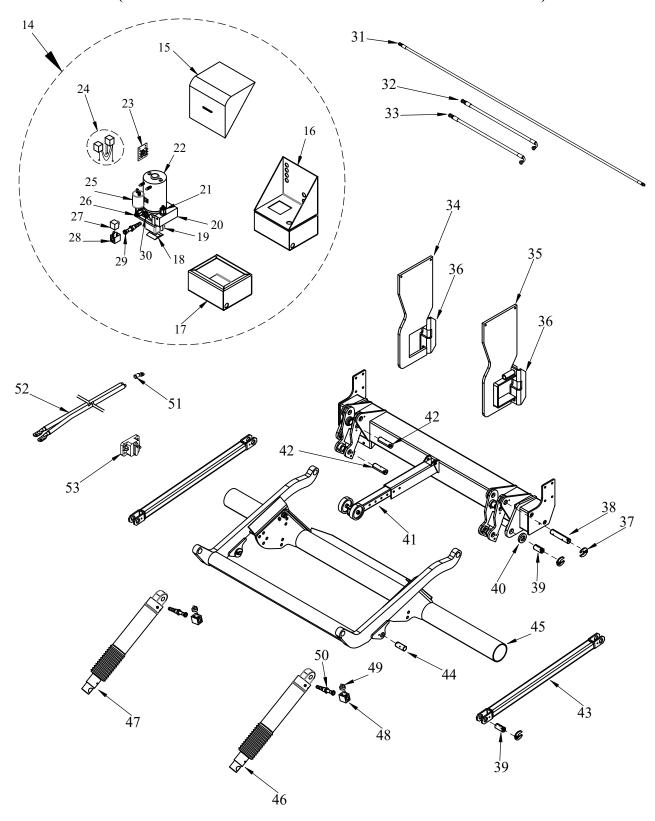
4000 LB TKR TUCKUNDER SERIES REPAIR PARTS DRAWING

(WITH INTERNAL TIMED ELECTRIC TOGGLE CONTROL)



4000 LB TKR TUCKUNDER SERIES REPAIR PARTS DRAWING

(WITH INTERNAL TIMED ELECTRIC TOGGLE CONTROL)



4000 LB TKR TUCKUNDER SERIES REPAIR PARTS DRAWING

(WITH INTERNAL TIMED ELECTRIC TOGGLE CONTROL)

ITEM#	DESCRIPTION	ITEM#	DESCRIPTION
1	Platform	28	EVR Coil
2	Right Side Linkage	29	EVR Valve
3	Left Side Linkage	30	Retainer Valve VR1
4	Platform Pin	31	Hydraulic Tube
5	Right Side Spring	32	Cylinder Rubber Hose
6	Left Side Spring	33	Tube to Power Unit Rubber Hose
7	Bed Extension	34	Left Bracket
8	Stop Tail Turn and Backup Light Kit	35	Right Bracket
9	Bed Extension Brace	36	Bracket Anchor Plate
10	Bed Extension Step	37	Pin Keeper
11	Dock Bumper	38	Pin 30mm X 147mm
12	Bed Extension Step	39	Pin 30mm X 63mm
13	Flags Kit	40	Washer 30mm
14	Complete Power Unit	41	Platform Roller Wheel Kit
15	Power Unit Cover	42	Pin 30mm X 102mm
16	Power Unit Metal Box	43	Tilt Arm
17	Power Unit Reservoir	44	Pin 30mm X 68mm
18	Oil Filter	45	Bumper Bar
19	Hydraulic Pump	46	Right Hydraulic Cylinder
20	Manifold Aluminium Block	47	Left Hydraulic Cylinder
21	Max. Pressure Valve - VM2	48	Cylinder EVBS Coil
22	Electric Motor	49	Cylinder EVBS Connector
23	Electric Board	50	Cylinder EVBS Valve
24	Relay Kit	51	Copper Lug
25	Starter Solenoid	52	2Ga. 2 Wire Electric Cable
26	Max. Pressure Valve - VM1	53	Manual Reset Circuit Breaker
27	EVR Connector		

SERVICE RECORD

LIFTGATE INFORMATION Date of Purchase: Serial Number:		
	Model Number:	
Reminders: Service 1	iftgate according to page 17.	
Date of Service	Services Performed	

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