



Titan Pro

Operator's Manual

22" Self Propelled Lawn Mower

Model TPKH822



WARNING

**READ AND FOLLOW ALL SAFETY RULES AND INSTRUCTIONS IN THIS MANUAL
BEFORE ATTEMPTING TO OPERATE THIS MACHINE.
FAILURE TO COMPLY WITH THESE INSTRUCTIONS MAY RESULT IN PERSONAL INJURY**

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FINDING MODEL NUMBER

This Operator's Manual is an important part of your new lawn mower. It will help you assemble, prepare and maintain the unit for best performance. Please read and understand what it says. Before you start assembling your new equipment, please locate the model plate on the equipment and copy the information from it in the space provided below.

A sample model plate is also given below.



You can locate the model plate by standing at the operating position and looking down at the rear of the deck. This information will be necessary to use the manufacturer's web site and/or help from the Customer Support Department or an authorized service dealer.

Log on www.titan-pro.co.uk for further info.

Copy the model number here:

Copy the serial number here:

SECTION 1: SAFE OPERATION PRACTICES



IMPORTANT: Read safety rules and instructions carefully before operating equipment.



WARNING: This symbol points out important safety instructions which, if not followed, could endanger the personal safety and/or property of yourself and others. Read and follow all instructions in this manual before attempting to operate this machine. Failure to comply with these instructions may result in personal injury. When you see this symbol—HEED ITS WARNING.

WARNING: This unit is equipped with an internal combustion engine and should not be used on or near any unimproved forest-covered, brush-covered or grass-covered land unless the engine's exhaust system is equipped with a spark arrester meeting applicable local or state laws (if any). If a spark arrester is used, it should be maintained in effective working order by the operator. A spark arrester for the muffler is available through your nearest engine authorized service dealer

WARNING: This machine was built to be operated according to the rules for safe operation in this manual. As with any type of power equipment, carelessness or error on the part of the operator can result in serious injury. This machine is capable of amputating hands and feet and throwing objects. Failure to observe the following safety instructions could result in serious injury.

General Operation

1. Read this operator's manual carefully in its entirety before attempting to assemble this machine. Read, understand,

and follow all instructions on the machine and in the manual(s) before operation. Be completely familiar with the controls and the proper use of this machine before operating it. Keep this manual in a safe

place for future and regular reference and for ordering replacement parts.

2. This machine is a precision piece of power equipment, not a plaything. Therefore, exercise extreme caution at all times. Your unit has been designed to perform one job: to mow grass. Do not use it for any other purpose.
3. Never allow children under 14 years old to operate this machine. Children 14 years old and over should read and understand the operation instructions and safety rules in this manual and should be trained and supervised by an adult. Only responsible individuals who are familiar with these safe operation rules should use this machine.
4. Thoroughly inspect the area where equipment is to be used. Remove all stones, sticks, wire, bones, toys and other foreign objects which could be tripped over or picked up and thrown by the blade. Thrown objects can cause serious personal injury. Plan your mowing pattern to avoid discharge of material toward roads, sidewalks, bystanders and the like. Also, avoid discharging material against a wall or obstruction which may cause discharged material to ricochet back toward the operator.
5. To help avoid blade contact or a thrown object injury, stay in the operator zone behind the handles and keep bystanders, helpers, children and pets at least 75 feet from the machine while it is in operation. Stop machine if anyone enters the area.
6. Always wear safety glasses to protect your eyes during equipment operation and while performing an adjustment or repair. Thrown objects which ricochet can cause serious injury to the eyes.
7. Wear sturdy, rough-soled work shoes and close-fitting slacks and shirts. Shirts and pants that cover the arms and legs and steel-toed shoes are recommended. Never operate this machine in bare feet, sandals, slippery or light weight (e.g. canvas) shoes.
8. Do not put hands or feet near rotating parts or under the cutting deck. Contact with the blade can amputate hands and feet.
9. A missing or damaged discharge cover can cause blade contact or thrown object injuries.
10. Many injuries occur as a result of the mower being pulled over the foot during a fall caused by slipping or tripping. Do not hold on to the mower if you are falling; release the handle immediately.
11. Never pull the mower back toward you while you are walking. If you must back the mower away from a wall or obstruction first look down and behind to avoid tripping and then follow these steps:
 - a) Step back from the mower to fully extend your arms.
 - b) Be sure you are well balanced with sure footing.
 - c) Pull the mower back slowly, no more than half way toward you.
 - d) Repeat these steps as needed.

12. Do not operate the mower while under the influence of alcohol or drugs.
13. Do not engage the self-propelled mechanism on units so equipped while starting engine.
14. The blade control handle is a safety device. Never attempt to bypass its operation. Doing so makes the safety device inoperative and may result in personal injury through contact with the rotating blade. The blade control handle must operate easily in both directions and automatically return to the disengaged position when released.
15. Never operate the mower in wet grass. Always be sure of your footing. A slip and fall can cause serious personal injury. If you feel you are losing your footing, release the blade control handle immediately and the blade will stop rotating within three seconds.
16. Mow in daylight or good artificial light;
17. Walk, not run.
18. Stop the blade when crossing gravel drives, walkways or roads.
19. If the equipment should start to vibrate abnormally, stop the engine and check
20. Shut the engine off and wait until the blade comes to a complete stop before removing the grass catcher or unclogging the chute. The cutting blade continues to rotate for a few seconds after the engine is shut off.
21. Never place any part of the body in the blade area until you are sure the blade has stopped rotating.
22. Never operate mower without proper trail shield, discharge cover, grass catcher, blade control handle or other safety protective devices in place and working.
23. Never operate mower with damaged safety devices. Failure to do so can result in personal injury.
24. Muffler and engine become hot and can cause a burn. Do not touch. Only use parts and accessories made by the original equipment manufacturer (O.E.M). Failure to do so can result in personal injury.
25. If situations occur which are not covered in this manual, use care and good judgment!
26. Contact your dealer for assistance!

Please call up Telephone: _____

Service Warning



**“Use of parts which do not meet the original equipment specifications
may lead to improper performance and compromise safety!”**

1. Never run an engine indoors or in a poorly ventilated area. Engine exhaust contains carbon monoxide, an odorless gas.
2. Before cleaning, repairing, or inspecting, make certain the blade and all moving parts have stopped. Disconnect the spark plug wire and ground against the engine to prevent unintended starting.
3. Check the blade and engine mounting bolts at frequent intervals for proper tightness. Also, visually inspect blade for damage (e.g., bent, cracked, worn) Replace blade with the original equipment manufacturer's (O.E.M.) blade only, as listed in this manual. Mower blades are sharp and can cut. Wrap the blade or wear gloves, and use extra caution when servicing them.
4. Keep all nuts, bolts, and screws tight to be sure the equipment is in safe working condition.
5. Never tamper with safety devices. Check their proper operation regularly.
6. After striking a foreign object, stop the engine; disconnect the spark plug wire and ground against the engine. Thoroughly inspect the mower for any damage. Repair the damage before starting and operating the mower.
7. Never attempt to make a wheel or cutting height adjustment while the engine is running.
8. Grass catcher components, discharge cover, and trail shield are subject to wear and damage which could expose moving parts or allow objects to be thrown. For safety protection, frequently check components and replace immediately with original equipment manufacturer's (O.E.M.) parts only, as listed in this manual.
9. Do not change the engine governor setting or overspeed the engine. The governor controls the maximum safe operating speed of the engine.
10. Maintain or replace safety and instruction labels, as necessary.
11. Observe proper disposal laws and regulations. Improper disposal of fluids and materials can harm the environment.
12. Restrict the use of this power machine to persons who read, understand and follow the warnings and instructions in this manual and on the machine.

Safe Handling of Gasoline:

1. To avoid personal injury or property damage use extreme care in handling gasoline. Gasoline is extremely flammable and the vapors are explosive. Serious personal injury can occur when gasoline is spilled on yourself or your clothes which can ignite.
2. Wash your skin and change clothes immediately.
3. Use only an approved gasoline container.
4. Never fill containers inside a vehicle or on a truck or trailer bed with a plastic liner. Always place containers on the ground away from your vehicle before filling.
5. If possible, remove gas-powered equipment from the truck or trailer and refuel it on the ground. If this is not possible, then refuel such equipment on a trailer with a portable container, rather than from a gasoline dispenser nozzle.
6. Keep the nozzle in contact with the rim of the fuel tank or container opening at all times until fueling is complete. Do not use a nozzle lock-open device.
7. Extinguish all cigarettes, cigars, pipes and other sources of ignition.
8. Never fuel machine indoors because flammable vapors will accumulate in the area.
9. Never remove gas cap or add fuel while the engine is hot or running. Allow engine to cool at least two lead to improper performance and compromise safety!" minutes before refueling.
10. Never over fill fuel tank. Fill tank to no more than ½ inch below bottom of filler neck to provide space for fuel expansion.
11. Replace gasoline cap and tighten securely.
12. If gasoline is spilled, wipe it off the engine and equipment. Move unit to another area. Wait 5 minutes before starting the engine.
13. Never store the machine or fuel container inside where there is an open flame, spark or pilot light as on a water heater, space heater, furnace, clothes dryer or other gas appliances.
14. To reduce fire hazard, keep mower free of grass, leaves, or other debris build-up. Clean up oil or fuel spillage and remove any fuel soaked debris.
15. Allow a mower to cool at least 5 minutes before storing.

SECTION 2: SLOPE GAUGE AND CHILDREN

1. Do not mow slopes greater than 15 degrees as shown on the slope gauge.
2. Do not mow on wet grass. Unstable footing could cause slipping.
3. Slope Operation Slopes are a major factor related to slip and fall accidents which can result in severe injury. Operation on slopes requires extra caution. If you feel uneasy on a slope, do not mow it. Before operating this unit on a slope or hilly area, use the slope gauge on the following page to measure slopes. If the slope is greater than 15 degrees, do not mow it.

Do:

- a) Mow across the face of slopes; never up and down. Exercise caution when changing direction.
- b) Watch for holes, ruts, rocks, hidden objects, or bumps which can cause you to slip or trip. Tall grass can hide obstacles.
- c) Always be sure of your footing. A slip and fall can cause serious personal injury. If you feel you are losing your balance, release the blade control handle immediately, and the blade will stop rotating within 3 seconds.

Do Not:

- d) Do not mow near drop-offs, ditches or embankments; you could lose your footing or balance.

CHILDREN

Accidents can occur if the operator is not alert to the presence of children. Children are often attracted to the mower and the mowing activity. They do not understand the dangers. Never assume that children will remain where you last saw them.

- e) Keep children out of the mowing area and under the watchful care of a responsible adult other than the operator.
- f) Be alert and turn mower off if a child enters the area.
- g) Before and while moving backwards, look behind and down for small children.
- h) Use extreme care when approaching blind corners, doorways, shrubs, trees, or other objects that may obscure your vision of a child who may run into the mower.
- i) Keep children away from hot or running engines. They can suffer burns from a hot muffler.
- j) Never allow children under 14 years old to operate a power mower.
- k) Children 14 years old and over should read and understand the operation instructions and safety rules in this manual and should be trained and supervised by an adult.

SECTION 3: ASSEMBLY AND SETUP

Contents of Carton

One Lawn Mower;
One Grass Catcher;
One Rear Discharge Chute;
One Side Discharge Deflector;
One Lawn Mower Operator's Manual;

Assembly

Note: This unit is shipped without gasoline or oil in the engine. Fill up gasoline and oil as instructed in the accompanying engine manual BEFORE operating your mower.

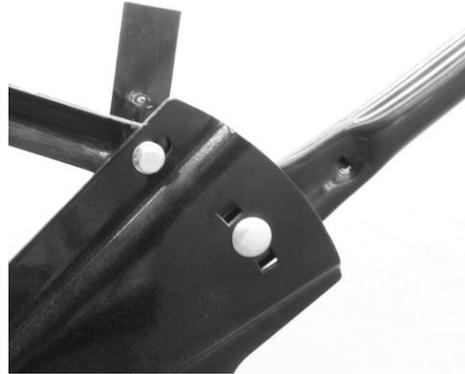
Handle

1. Remove any packing material which may be between upper and lower handles.
 - a) Pull up and back on upper handle as shown in Fig. . Make certain the lower handle is seated securely into the handle mounting brackets. Do not crimp cables while lifting the handle up.
 - b) Tighten star knobs to secure upper handle to lower handle. Make sure that each carriage bolt is seated properly in the handle.
2. Locate the hairpin clip on the weld pin on each side of lower handle.
 - a) Remove hairpin clip from this hole. Using a pair of pliers, insert hairpin clip into the hole on pin closest to the bracket. See Fig. Repeat on other side.
 - b) Insert a carriage bolt found in the manual bag into the upper hole on the handle mounting bracket. Secure with one plastic wing nut, also included in the manual bag. Repeat on other side with

remaining hardware.

Note: Make certain the drive cable is routed around the outside and above the lower handle so it does not interfere with attaching the grass bag. The chute door has been designed to move the starter rope out of the way of the bag when the chute door is opened.

3. The rope guide, which is connected to the support rod, is located on the right side of the lower handle. See Fig.
 - a) Hold blade control against upper



handle.

- b) Pull Starter rope out of the engine. Release blade control.
 - c) Slip Starter rope into rope guide.
4. Attach cables to the lower handle with the cable ties already on the lower handle. Insert pegs on cable ties into the holes on the lower handle. Pull cable ties tight and cut off the extra.

Grass Catcher

The mower was shipped with the mulching baffle installed on the unit. For bagging purposes, you will have to attach the grass bag and its adapter in place of the mulching baffle.

1. Remove three wing nuts holding the mulching baffle in place and remove from unit.

2. Replace with grass bag adapter, while making sure the front lip of adapter goes under the edge of the deck. Refer to Fig. Secure with wing nuts previously removed.
3. Slip the five remaining plastic channels of grass bag over the metal grass bag frame as shown in Figure.
4. Lift chute door on the grass bag adapter and slide grass bag onto the adapter. See Fig.

Side Discharge Chute

Follow steps below to install the side discharge chute:

1. Remove mulching baffle or grass bag adapter from unit by disconnecting wing nuts.
2. Attach side discharge chute to unit and secure with the three wing nuts. See Fig.

Adjustments

Cutting Height

The cutting height adjustment lever is located above the rear left wheel. See Fig. Insert.

1. Pull lever out and away from mower.
2. Move lever forward or back for desired cutting height.
3. Release lever towards mower deck.

The front wheel cutting height is determined by selecting one of six positions on each caster assembly. To adjust front cutting height, refer to Fig. and proceed as follows:

1. Remove wing nut from axle bolt. Slide axle bolt and wave washer from the assembly and select a cutting height.
2. With wave washer on axle bolt, reinsert hardware in the square hole desired through wheel assembly and secure with wing nut previously removed.

IMPORTANT: All wheels must be place in the same relative position. For rough or uneven lawns, move the height adjustment lever to a higher position. This will stop scalping of grass.

The casters cable locked in a straight ahead position or position to swivel freely. See Figure Insert.

1. Lift lock pins.
2. Place in larger holes to lock wheels. Place pins in smaller holes to allow casters to rotate freely for turning.

Drive Control

The adjustment wheel is located in the drive control handle housing and is used to tighten or loosen the drive belt. You will have to adjust the drive control if any of the following happens:

1. The mower does not propel itself with the drive control engaged.
2. The mower's drive wheel hesitate with the drive control engaged.

If either of these conditions occur, rotate the adjustment wheel clockwise to tighten and counter-clockwise to loosen cable to adjust the drive control. See Fig.

NOTE: For some people the drive control may not be in a comfortable position. You can adjust the handle by tightening the adjustment wheel.

Set-Up

Gas and Oil Fill-Up

Refer to the separate engine owner's manual for additional engine information.

1. Add oil provided before starting unit for the first time out of the box.
2. Service the engine with gasoline as instructed in the separate engine owner's manual.

WARNING: Use extreme care when handling gasoline. Gasoline is extremely flammable and the vapors are explosive. Never fuel the machine indoors or while the engine is hot or

running. Extinguish cigarettes, cigars, pipes and other sources of ignition.

Controls and Features

Blade Control

The blade control is attached to the upper handle of the mower. Depress and squeeze it against the upper handle to operate the unit. Release it to stop engine and blade.

WARNING: This blade control is a safety device. Never attempt to bypass its operations.

Cutting Height Adjustment Lever

The cutting height adjustment lever is located above the left rear wheel. To adjust the cutting height, refer to the assembly & Set-Up section.

Drive Control

The drive control is located on the upper handle. Squeeze the drive control to engage the drive system. Release the drive control to slow down when approaching an obstacle, making a turn, or stopping.

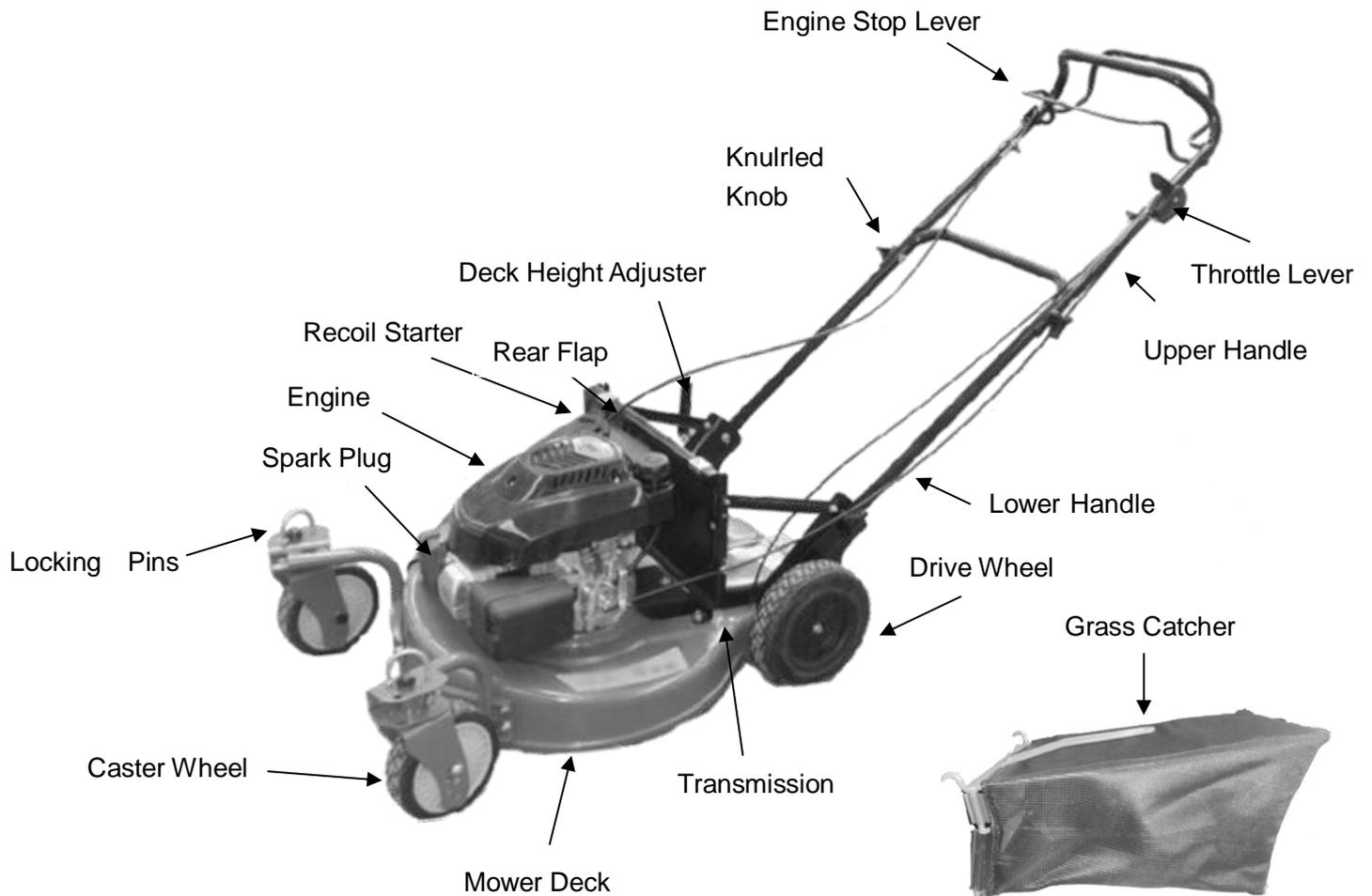
Side Discharge Chute

Your mower is shipped as a mulcher. To discharge the grass clippings to the side instead, follow the instruction in the Assembly and Set-Up section to attach the side discharge chute.

WARNING: Keep hands and feet away from the chute area on cutting deck. Refer to warning label on the unit.

Recoil Starter

The recoil starter is connected to the support rod and is located on the right side of the lower handle. Stand behind the unit and pull the recoil starter rope to start the unit.



Operation

Starting Engine

WARNING: Be sure no one other than the operator is standing near the lawn mower while starting engine or operating mower. Never run engine indoors or in enclosed, poorly ventilated areas. Engine exhaust contains carbon monoxide, an odorless and deadly gas. Keep hands, feet, hair and loose clothing away from any moving parts on engine and lawn mower.

Refer to engine manual for help with the engine.

1. Standing behind the mower, squeeze and hold the blade control against upper handle.
2. Pull the recoil starter lightly until resistance is felt, then pull rapidly to overcome compression, prevent kickback, and start the engine. Repeat if necessary. See Fig.

NOTE: Do not allow the recoil starter to snap back against the rope guide.

Stopping Engine

1. Release blade control to stop the engine and blade.

WARNING: Wait for the blade to stop completely before performing any work on

the mower or to remove the side discharge chute.

Using your lawn mower

Be sure lawn is clear of stones, sticks, wire, or other objects which could damage lawn mower or engine. Such objects could be accidentally thrown by the mower in any direction and cause serious personal injury to the operator and others.

1. Once the engine is running, squeeze the drive control to propel the mower forward.

WARNING: If you strike a foreign object, stop the engine. Remove wire from the spark plug, thoroughly inspect mower for any damage, and repair damage before restarting and operating. Extensive vibration of mower during operation is an indication of damage. The unit should be promptly inspected and repaired.

Using as Mulcher

For mulching grass, remove the grass catcher and the side discharge chute from the mower. For effective mulching, do not cut wet grass. If the grass has been allowed to grow in excess of four inches, mulching is not recommended. Use the grass catcher to bag clippings instead. **WARNING:** The operation of any lawn mower can result in foreign objects being thrown into

the eyes, which can damage your eyes severely. Always wear safety glasses while operating the mower, or while performing any adjustments or repairs on it.

Using Grass Catcher

You can use the grass catcher bag to collect clippings while you are operating the mower.

1. Attach grass catcher following instructions in "Setup and Adjustment". Grass clippings will automatically collect in the bag as you run the mower.
2. Operate the mower till the grass bag is full.
3. Stop engine completely by releasing the blade control. Make sure that the unit has come to a complete stop.
4. While holding the grass bag by both the rear handle and the lower handle, lift the grass bag straight up off the adapter. The chute door will move the rope out of the way of the bag.
5. Continue to hold the lower handle and raise the rear of the grass bag up toward your chest. The grass bag will open and the grass clippings will disperse. When replacing the grass bag, be sure the top of the bag rests on the wire support between the handles.

Maintenance & Adjustments

Maintenance

General Recommendations

1. Always observe safety rules when performing any maintenance.
2. The warranty on this lawn mower does not cover items that have been subjected to operation abuse or negligence. To receive full value from warranty, operator must maintain the lawn mower as instructed here.

3. Changing of engine governed speed will void engine warranty.
4. All adjustments should be checked at least once each season.
5. Periodically check all fasteners and make sure these are tight.

WARNING: Always stop engine, disconnect spark plug, and ground against engine before performing any type of maintenance on your machine.

Lubrication

1. Lubricate pivot points on the blade control at least once a season with light oil. The blade control must operate freely in both directions. See Fig.
2. Lubricate the wheels and casters at least once a season with light oil (or motor oil). If wheels are removed for any reason, lubricate the axle bolt and inner surface of the wheel with light oil. See Fig.
3. Lubricate the torsion spring and pivot point on each end of the grass catcher adapter door at least once a season with light oil to prevent rust. See Fig.
4. The transmission is pre-lubricated and sealed at the factory and does not require lubrication.
5. Follow the accompanying engine manual for lubrication schedule and instruction for engine lubrication.

Deck Care

Clean underside of the mower deck after each use to prevent build-up of grass clippings or other debris. Follow steps below for this job.

1. Disconnect spark plug wire. Drain gasoline from lawn mower or place a piece of plastic under the gas cap.
2. Tip mower so that it rests on the housing. Keep the side with the air cleaner facing up. Hold mower firmly.

WARNING: Never tip the mower more than 90° in any direction and do not leave the mower tipped for any length of time. Oil can drain into the upper part of the engine causing a starting problem.

3. Scrape and clean the underside of the deck with suitable tool. Do not spray with water.

IMPORTANT: Do not use a pressure washer or garden hose to clean your unit. These may

cause damage to bearings, or the engine. The use of water results in shortened life and reduce serviceability.

4. Put the mower back on its wheels on the ground. If you had put plastic under the gas cap earlier, make sure to remove it now.

Engine Care

A list of key engine maintenance jobs required for good performance by the mower is given below. Follow the accompanying engine manual for a detailed list and instructions.

1. Maintain oil level as instructed in engine manual.
2. Service air cleaner every 25 hours under normal conditions. Clean every few hours under extremely dusty conditions. Poor engine performance and flooding usually indicates that the air cleaner should be serviced. To service the air cleaner, refer to the engine manual.
3. Clean spark plug and reset the gap once a season. Spark plug replacement is recommended at the start of each mowing season. Check engine manual for correct plug type and gap specifications.
4. Clean engine regularly with a cloth or brush. Keep the top of the engine clean to permit proper air circulation. Remove all grass, dirt, and combustible debris from muffler area.

Replacing Rear Flap

To replace rear flap, proceed as follows:

1. To remove rear flap, lift rear door, remove screw, and press flap in on either side to remove from hole. See Fig. 6-2.
2. Remove screw and flap opposite hole and replace with new flap in the opposite order and manner of removal.

Service

Blade Care

WARNING: When removing the cutting blade for sharpening or replacement, protect your hands with a pair of heavy gloves or use a heavy rag to hold the blade.

Periodically inspect the blade adapter for cracks, especially if you strike a foreign object. Replace when necessary. Follow the steps below for blade service.

1. Disconnect spark plug boot from spark plug. Turn mower on its side making sure that the air filter and the carburetor are facing up.
2. Remove the bolt and the blade bell support which hold the blade and the blade adapter to the engine crankshaft. See Fig.
3. Remove blade and adapter from the crankshaft. See Fig.
4. Remove blade from the adapter for testing balance. Balance the blade on a round shaft screwdriver to check. Remove metal from the heavy side until it balances evenly. When sharpening the blade, follow the original angle of grind. Grind each cutting edge equally to keep the blade balanced.

WARNING: An unbalanced blade will cause excessive vibration when rotating at high speeds. It may cause damage to mower and could break causing personal injury.

5. Lubricate the engine crankshaft and the inner surface of the blade adapter with light oil. Slide the blade adapter onto the engine crankshaft. Place the blade on the adapter such that the side of the blade marked "Bottom" (or with part number) faces the ground when the mower is in

the operating position. Make sure that the blade is aligned and seated on the blade adapter flanges.

6. Place blade bell support on the blade. Align notches on the blade bell support with small holes in blade.
7. Replace hex bolt and tighten hex bolt to torque: 450 in. lbs. min., 600 in.lbs. max. To ensure safe operation of your mower, periodically check the blade bolt for correct torque.

Belt Care

NOTE: Several components must be removed in order to change the mower's belt. See an authorized Service Dealer to have your belt replaced.

Off-Season Storage

The following steps should be taken to prepare your lawn mower for storage.

1. Clean and lubricate mower thoroughly as described in the lubrication instructions.
2. Do not use a pressure washer or garden hose to clean your unit.
3. Coat mower's cutting blade with chassis grease to prevent rusting.
4. Refer to engine manual for correct engine storage instructions.
5. Store mower in a dry, clean area. Do not store next to corrosive materials, such as fertilizer.

When storing any type of power equipment in a poorly ventilated or metal storage shed, care should be taken to rust-proof the equipment. Using a light oil or silicone, coat the equipment, especially cables and all moving parts of your lawn mower before storage.

Troubleshooting

Problem	Cause	Remedy
Engine Fails to start	<ol style="list-style-type: none"> 1. Blade control disengaged. 2. Spark plug boot disconnected. 3. Fuel tank empty or stale fuel. 4. Engine not primed (If equipped with primer) 5. Faulty spark plug. 6. Blocked fuel line. 7. Engine Flooded. 8. Fuel valve (If equipped) closed. 9. Engine not choked (If equipped with choke) 10. Burnt fuse. (Electric Start Only) 	<ol style="list-style-type: none"> 1. Engage blade control. 2. Connect wire to spark boot. 3. Fill tank with clean, fresh gasoline. 4. Prime engine as instructed in the Operation section. 5. Clean, adjust gap, or replace. 6. Clean fuel line. 7. Wait a few minutes to restart, but do not prime. 8. Open fuel valve, See engine manual. 9. Choke engine. See engine manual. 10. Replace fuse (See Service Section).
Engine Runs erratic	<ol style="list-style-type: none"> 1. Spark plug boot loose. 2. Blocked fuel line or stale fuel. 3. Vent in gas cap plugged. 4. Water or dirt in fuel system. 5. Dirty air cleaner. 6. Unit running with CHOKE (If equipped) applied. 	<ol style="list-style-type: none"> 1. Connect and tighten spark plug boot. 2. Clean fuel line; fill tank with clean, fresh gasoline. 3. Clear vent. 4. Drain fuel tank. Refill with fresh fuel. 5. Refer to engine manual. 6. Push CHOKE knob in.
Engine Overheats	<ol style="list-style-type: none"> 1. Engine oil level low 2. Air flow restricted. 	<ol style="list-style-type: none"> 1. Fill crankcase with proper oil. 2. Clean area around and on top of engine.
Occasional skips (hesitates) at high speed	<ol style="list-style-type: none"> 1. Spark plug gap too close. 	<ol style="list-style-type: none"> 1. Adjust gap to .030"
Idles poorly	<ol style="list-style-type: none"> 1. Spark plug fouled, faulty, or gap too wide. 2. Dirty air cleaner. 	<ol style="list-style-type: none"> 1. Reset gap to .030" or replace spark plug. 2. Refer to engine manual.
Excessive Vibration	<ol style="list-style-type: none"> 1. Cutting blade loose or unbalanced. 2. Bent cutting blade. 	<ol style="list-style-type: none"> 1. Tighten blade and adapter. Balance blade. 2. See an authorized service dealer.
Mower will not mulch grass	<ol style="list-style-type: none"> 1. Wet grass 2. Excessively high grass 3. Dull blade. 	<ol style="list-style-type: none"> 1. Do not mow when grass is wet; wait until later to cut. 2. Mow once at a high cutting height, then mow again at desired height or make a narrower cutting path. 3. Sharpen or replace blade
Uneven cut	<ol style="list-style-type: none"> 1. Wheels not positioned correctly. 2. Dull Blade 	<ol style="list-style-type: none"> 1. Place all four wheels in same height position (If equipped with individual height adjusters). 2. Sharpen or replace blade
Mower will not self propel	<ol style="list-style-type: none"> 1. Belt not installed properly 2. Debris clogging drive operation. 3. Damaged or worn belt. 	<ol style="list-style-type: none"> 1. Check belt for proper pulley installation and movement. 2. Stop engine, disconnect spark plug boot, and clean out debris. 3. Inspect and replace belt.

Replacement Parts.

Component	Part Number and Description
	Spark Plug
	Air Filter Cartridge
	Fuel Tank Cap
	Wheel (Rear) Wheel(Front)
	Side Discharge Chute
	Grass Bag
	Mulching Blade
	V-Belt

Phone Titan-Pro to order replacement parts or a complete parts manual (Have your full model number and serial number ready). Parts Manual downloads are also available free of charge at www.titan-pro.co.uk

Manufacturer's Limited Warranty for Titan-Pro

The limited warranty set forth below is given by Titan-Pro with respect to new merchandise purchased and used in the United Kingdom.

Titan-Pro warrants this product (excluding its **Normal Wear Parts** and **Attachments** as described below) against defects in material and workmanship for a period of two (2) years commencing on the date of original purchase and will, at its option, repair or replace, free of charge, any part found to be defective in materials or workmanship.

This limited warranty shall only apply if this product has been operated and maintained in accordance with the Operator's Manual furnished with the product, and has not been subject to misuse, abuse, commercial use, neglect, accident, improper maintenance, alteration, vandalism, theft, fire, water, or damage because of other peril or natural disaster. Damage resulting from the installation or use of any part, accessory or attachment not approved by Titan-Pro for use with the product(s) covered by this manual will void your warranty as to any resulting damage.

Normal Wear Parts are warranted to be free from defects in material and workmanship for a period of thirty (30) days from the date of purchase. Normal wear parts include, but are not limited to items such as: batteries, belts, blades, blade adapters, tines, grass bags, wheels, rider deck wheels, seats, snow thrower skid shoes, friction wheels, shave plates, auger spiral rubber and tires.

Attachments – Titan-Pro warrants attachments for this product against defects in material and workmanship for a period of one (1) year, commencing on the date of the attachment's original purchase or lease. Attachments include, but are not limited to items such as: grass collectors and mulch kits.

This limited warranty does not provide coverage in the following cases:

- a. The Engine or component parts thereof. These items may carry a separate manufacturer's warranty. Refer to applicable manufacturer's warranty for terms and conditions.
- b. Log splitter pumps, valves, and cylinders have a separate one year warranty.
- c. Routine maintenance items such as lubricants, filters, blade sharpening, tune-ups, brake adjustments, clutch

adjustments, deck adjustments, and normal deterioration of the exterior finish due to use of exposure.

- d. Service completed by someone other than an authorized service dealer.
- e. Titan-Pro does not extend any warranty for products sold or exported outside of the United Kingdom, and their respective possessions and territories, except those sold through Titan-Pro's authorized channels of export distribution.
- f. Replacement parts that are not genuine Titan-Pro parts.
- g. Transportation charges and service calls.
- h. Titan-Pro does not warrant this product for commercial use.

No implied warranty, including any implied warranty of merchantability or fitness for a particular purpose, applies after the applicable period of express written warranty above as to the parts as identified. No other express warranty, whether written or oral, except as mentioned above, given by any person or entity, including a dealer or retailer, with respect to any product, shall bind Titan-Pro. During the period of the warranty, the exclusive remedy is repair or replacement of the product as set forth above.

The provisions as set forth in this warranty provide the sole and exclusive remedy arising from the sale. Titan-Pro shall not be liable for incidental or consequential loss or damage including, without limitation, expenses incurred for substitute or replacement lawn care services or for rental expenses to temporarily replace a warranted product.

In no event shall recovery of any kind be greater than the amount of the purchase price of the product sold. **Alteration of safety features of the product shall void this warranty.** You assume the risk and liability for loss, damage, or injury to you and your property and/or to others and their property arising out of the misuse or inability to use the product.

This limited warranty shall not extend to anyone other than the original purchaser or to the person for whom it was purchased as a gift.

Important: Owner must present Original Proof of Purchase to obtain warranty coverage.

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