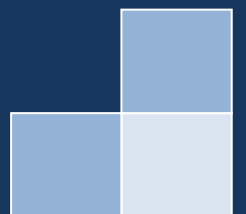




KUBOTA



KUBOTA
THE OPERATOR OF THIS VEHICLE MUST HOLD A CURRENT CLASS C DRIVERS
LICENCE

Scope: CSU Campus Wagga & Bathurst

Purpose: CSCS Limited has purchased two Kubota's for the specific purpose of fulfilling the ever increasing demands and requirements of a growing residential community at CSU. The Kubota's versatility will allow the company to manage various new tasks that previously required a tray back Ute, which could not access various delivery and pick up points. The Kubota's will take the company into the future and ensure a professional client service is maintained.



SAFE OPERATIONS

Careful operation is your best insurance against an accident. Read and understand this Operator's Manual carefully before operating the vehicle. All operators, no matter how much experience they may have, should read this and other related manuals before operating the vehicle or any implement attached to it, it is the owner's obligation to instruct all operators in safe operation.

1. BEFORE OPERATING THE VEHICLE

Personnel Operating and using the Kubota MUST wear a high visibility vest or jacket at all times.

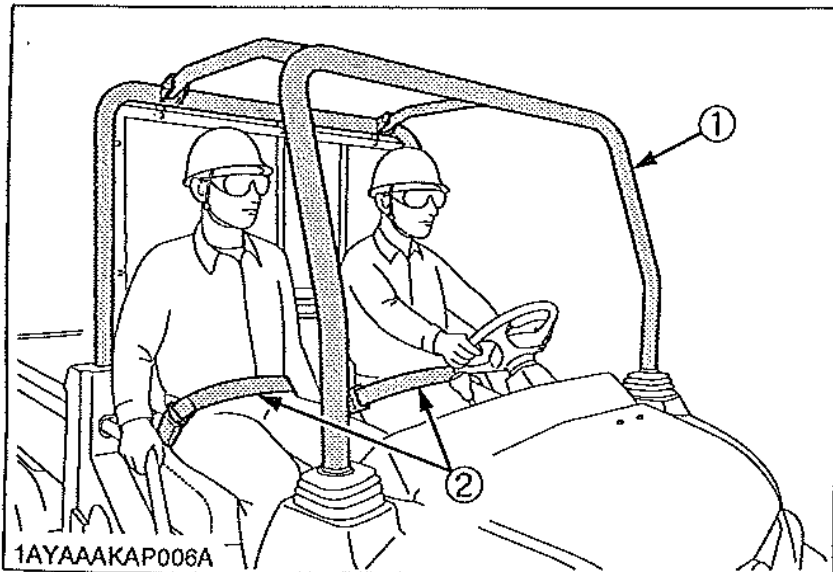
1. Know your equipment and its limitations. Read this entire manual before attempting to start and operate the vehicle.
2. Pay special attention to the Danger, Warning and Caution labels on the vehicle.
3. Do not remove Roll-Over protective Structures (ROPS) for any application and fasten seatbelts at all times. This combination will reduce the risk of serious injury or death, should the vehicle be upset.

If the ROPS is loosened or removed for any reason, make sure that all parts are reinstalled correctly before operating the vehicle.

Never modify or repair a ROPS because welding, bending, drilling, grinding or cutting may weaken the structure.

A damaged ROPS structure must be replaced, not repaired or revised.

If any structural member of the ROPS is damaged, replace the entire structure at your local KUBOTA Dealer.



(1) ROPS

(2) Seat belt

4. Always use the seat belts. Check the seat belts regularly and replace if frayed or damaged.
5. Do not operate the vehicle or any implement attached to it while under the influence of alcohol, medication, controlled substances or while fatigued.
6. Carefully check the vicinity before operating the vehicle or any implement attached to it. Check for overhead clearance which may interfere with the ROPS. Do not allow any bystanders around or near the vehicle during operation.
7. Never allow anyone without a valid driver's license to operate this vehicle.
8. Before allowing other people to use your vehicle explain how to operate and have them read this manual before operation.
9. Never wear loose, torn or bulky clothing around the vehicle. It may catch on moving parts or controls, leading to the risk of an accident. Use additional safety items, e.g. helmet, safety boots or shoes, eye and hearing protection, gloves etc, as appropriate or required.
10. In addition to the driver, only one passenger should ride the vehicle.
Minimum age for passenger is 5.
11. Keep all shields in place and stay away from all moving parts.
12. Check brakes, speed control pedal, and other mechanical parts for improper adjustment and wear. Replace worn or damaged parts promptly. Check the tightness of all nuts and bolts regularly. (For further details, see "MAINTENANCE" section).
13. Keep your vehicle clean. Dirt, grease and trash build up may contribute to fires and lead to personal injury.
14. Use only implement meeting the specifications listed under "VEHICLE LIMITATIONS" in this manual or implements approved by KUBOTA.
15. The maximum cargo capacity of this vehicle is 500kg. Reduce cargo capacity to match operating conditions. Do not carry anything which raises centre-of-gravity and sticks outside the cargo bed.
16. Do not modify the vehicle. Unauthorised modification may affect the function of the vehicle, which may result in personal injury.

2. OPERATING THE VEHICLE

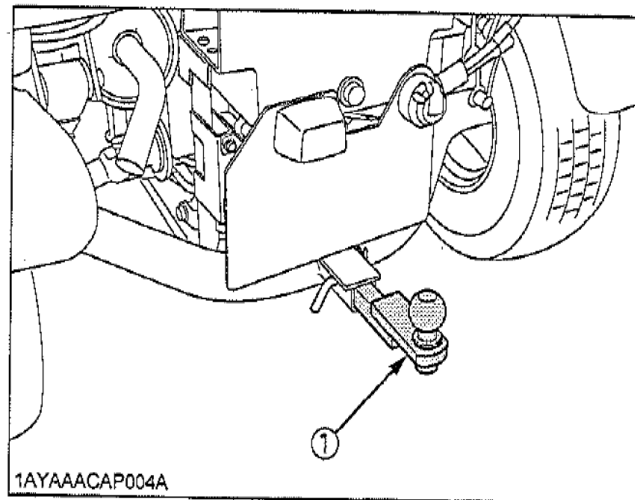
❖ Starting

1. Always sit in the operator's seat when starting engine or operating
2. Before starting the engine, make sure that all levers are in their neutral positions and that the parking brake is engaged.
3. Do not start engine by shorting across starter terminals or bypassing the safety start switch. The vehicle may start in gear and move if normal starting circuitry is bypassed.

4. Be sure that the operator (and passenger) seat belts are fastened.
5. Do not operate or idle engine in a non-ventilated area. Carbon monoxide gas is colourless, odourless, and deadly.

❖ Operating

1. Do not wear headphones while operating.
2. Pull only from the trailer hitch (if equipped). Never hitch to axle housing or any other point except trailer hitch; such arrangements will increase the risk of serious personal injury or death due to a vehicle upset.



(1) Trailer hitch (if equipped)

3. Keep all shields and guards in place. Replace any that are missing or damaged.
4. Avoid sudden starts. To avoid rollovers, slow down when turning, on uneven ground, and before stopping.
5. The vehicle cannot turn with the differential locked and attempting to do so could be dangerous.
6. Do not operate near ditches, holes, embankments, or other ground surface features which may collapse under the vehicle's weight. The risk of vehicle upset is even higher when the ground is loose or wet.
7. Watch where you are going at all times. Watch for and avoid obstacles. Be alert at row ends, near trees, and other obstructions.
8. When working in groups, always let the other know what you are going to do before you do it.
9. Never try to get on or off a moving vehicle.
10. Ensure trailer is registered and in a good, serviceable condition
11. Use correct Manual Handling techniques when hitching trailer or manoeuvring trailer

❖ Safety for Children

Tragedy can occur if the operator is not alert to the presence of children. Children generally are attracted to vehicles and the work they do.

1. Never assume that children will remain where you last saw them.
2. Keep children out of the work area and under the watchful eye of another responsible adult.
3. Be alert and shut your vehicle down if children enter the work area.
4. Never carry children in the cargo bed. There is no safe place for them to ride. No person under the age of 5 may ride as a passenger in this vehicle. A passenger under 5 years of age requires special restraints which are not available in this vehicle.
5. Never allow children to operate the vehicle even under adult supervision.
6. Never allow children to play on the vehicle or on the implement.
7. Use extra caution when backing up. Look behind and down to make sure area is clear before moving.

8. Whenever possible, park your vehicle on a firm, flat and level surface. If this is not possible, park it across the slope. Set the parking brake(s), lower the implements to the ground, remove the key from the ignition and lock the wheels.

❖ **Operating on slopes**

Slopes are a major factor related to loss-of-control and tip-over accidents, which can result in severe injury or death.

All slopes require extra caution.

1. Travel straight up or down hill
2. Reduce load when operating on hilly or over rough terrain
3. Keep front wheels straight at crest of hill or going over bumps.
4. Do not stop or start suddenly when going uphill or downhill. Be especially cautious when changing direction on slopes.
5. If vehicle stops or loses power going up a hill, lock parking brake to hold vehicle on slope. Maintain direction of travel and release brake slowly. Back straight downhill while maintaining control. Do not turn vehicle sideways. Vehicle is more stable in a straight forward or rearward position.
6. When riding on soft terrain, turn front wheels slightly uphill to keep vehicle on a straight line across the hill.
7. If the vehicle begins to tip, turn front wheels downhill to gain control before proceeding.
 - (1) To avoid upsets, always back up steep slopes. If you cannot back up the slope or if you feel uneasy on it, do not operate on it. Stay off slopes too steep for safe operation.
 - (2) Driving forward out of a ditch mired condition or up a steep slope increases the risk of a vehicle to be upset backward. Always back out of these situations. Extra caution is required with four-wheel drive mode because the increased traction can give the operator false confidence in the vehicle's ability to climb slopes.
 - (3) Keep all movement on slopes slow and gradual. Do not make sudden changes in speed or direction.

❖ **Operation in inclement conditions**

1. Only operate during daylight or with good artificial light.
2. Operate vehicle in an open, unobstructed area.
3. Use helmet and/or protective gear for certain operating conditions.
4. Reduce speed according to trail, terrain and visibility conditions.
5. Never drive exceeding the limit of visibility. Slow down near crest of hill until getting a clear view of the other side.
6. Stay alert for holes, rocks and other hidden hazards in the terrain.
7. Never cross any body of water where depth may be unknown to the operator (Deep water is considered anything in excess the bottom edge of the axle cap). Choose a course within the waterway where both banks have a gradual incline. Cross at a point known to be safe.

❖ **Driving the vehicle at high speeds**

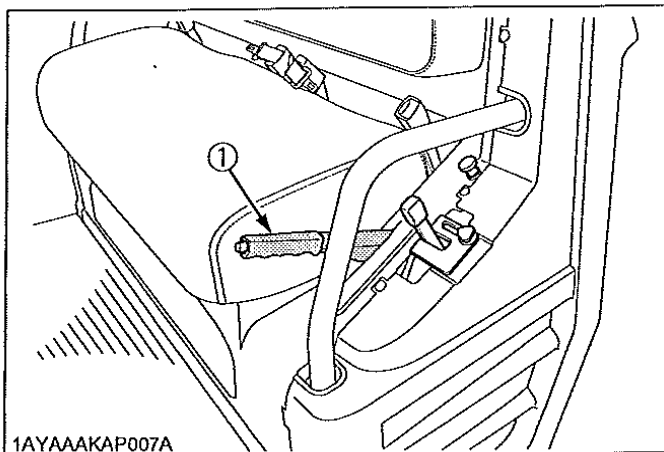
1. Check the front wheel engagement. The braking characteristics are different between two and four wheel drive. Be aware of the difference and use carefully.
2. Always slow the vehicle down before turning. Turning at high speed may tip the vehicle over.
3. Turn the headlights on.
4. Drive at speeds that allow you to maintain control at all times.
5. Do not apply the differential lock while travelling at high speeds. The vehicle may run out of control.
6. Avoid sudden motions of the steering wheel as they can lead to a dangerous loss of stability. The risk is especially great when the vehicle is travelling at high speeds.

3. HAULING LOADS IN THE CARGO BED

1. No riders in cargo bed or anywhere else.
2. Do not overload vehicle. Securely anchor all loads
3. Be sure load is evenly distributed.
4. Reduce cargo capacity when operating on rough or hilly terrain.
5. Balance loads evenly and secure them. Braking could shift the load and affect vehicle stability.
6. Never operate vehicle with the cargo bed raised.
7. Operate cargo bed dump with vehicle stationary and parking brake locked. Do not dump while moving.
8. Operate hydraulic dump on level ground only.
9. Operate dump from operator's seat only.
10. Do not place hands or body under the cargo bed when lowering bed.

4. PARKING THE VEHICLE

1. Place all control levers in their neutral positions, set the parking brake, stop the engine, and remove the key.
2. Make sure that the vehicle has come to a complete stop before dismounting.
3. Avoid parking on steep slopes, if possible park on flat ground, if not, park across a slope, always with attachment on the ground.



(1) Parking brake lever

5. TRANSPORTING

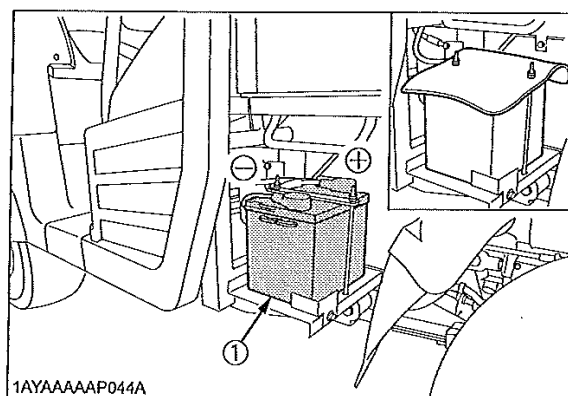
1. Do not tow this vehicle. Use a suitable truck or trailer when transporting on public roads.
2. Use extra care when loading or unloading the vehicle onto a trailer or truck.

6. SERVICING THE VEHICLE

Before servicing the vehicle, park it on a firm, flat and level surface, set the parking brake, lower all implements to the ground, place the range gear shift lever in neutral, stop the engine and remove the key.

1. Allow the vehicle time to cool off before working on or near the engine, muffler, radiator etc.
2. Always stop the engine before refuelling. Avoid spills and overfilling.
3. Do not smoke when working around battery or when refuelling. Keep all sparks and flames away from battery and fuel tank. The battery presents an explosive hazard, because it gives off hydrogen and oxygen especially when recharging.

4. Before “jump starting” a dead battery, read and follow all of the instructions. (See “JUMP STARTING” in “OPERATING THE ENGINE” section).
5. Keep first aid kit and fire extinguisher hand at all times.
6. Disconnect the battery’s ground cable before working on or near electric components.
7. To avoid possibility of battery explosion, do not use or charge the refillable type battery if the fluid level is below the LOWER (lower limit level) mark. Check the fluid level regularly and add distilled water as required so that the fluid level is between the UPPER and LOWER marks.
8. To avoid sparks from an accidental short circuit, always disconnect the battery’s ground cable (-) first and reconnect it last.

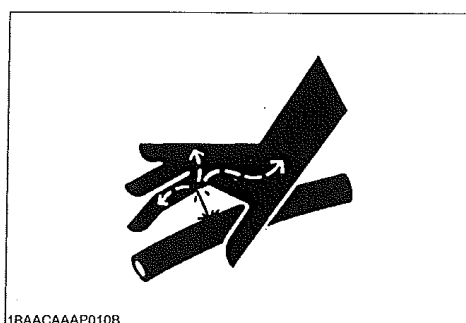


(1) Battery

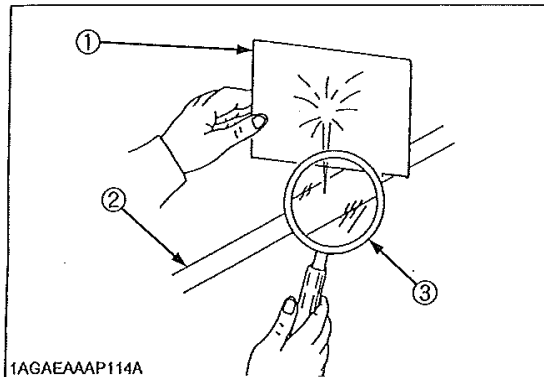
9. Do not remove radiator cap while coolant is hot. When cool, slowly rotate cap to the first stop and allow sufficient time for excess pressure to escape before removing the cap completely. If this vehicle has a coolant recovery tank, add coolant or water to the tank, not the radiator. (See “Checking Coolant Level” in “DAILY CHECK” in “PERIODIC SERVICE” section).
10. Do not attempt to mount a tire on a rim. This should be done by a qualified person with the proper equipment.
11. Always maintain the correct tyre pressure. Do not inflate tires above the recommended pressure shown in the operator’s manual.
12. Securely support the vehicle when changing wheels.
13. Make sure that wheel bolts have been tightened to specified torque,
14. Do not work under any hydraulically supported devices. They can settle, suddenly leak down, or be accidentally lowered. If it is necessary to work under the vehicle or any vehicle elements for servicing or adjustment, securely support them with stands or suitable blocking beforehand.
15. Escaping hydraulic fluid under pressure has sufficient force to penetrate skin causing serious personal injury. Before disconnection hydraulic system, make sure that all connection are tight and that all lines, pipes and hoses are free of damage, “High pressure fluid – Injection into body” hazard warning.



16.



17. Fluid escaping from pinholes may be invisible. Do not use hands to search for suspected leaks; use a piece of cardboard or wood. Use of safety goggles or other eye protection is also highly recommended. If injured by escaping fluid, see a medical doctor at once. This fluid will produce gangrene or severe allergic reaction.



1AGAEAAAP114A

- (1) Cardboard
(2) Hydraulic line
(3) Magnifying glass

DANGER WARNING AND CAUTION LABELS

(1) Part No. K7584-6524-1



1AYAACGAP0120

(2) Part No. K7561-6541-2



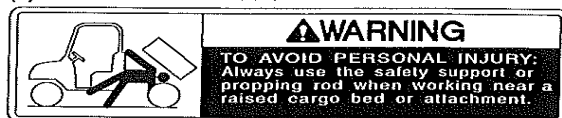
1AYAAAAAP109A

(5) Part No. K1221-6118-1



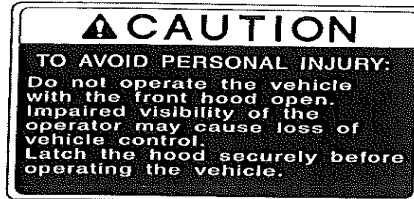
1BDABDAP013A

(6) Part No. K7561-6544-1



1AYAAAAAP110A

(3) Part No. K7561-6530-2



1AYAAAAAP106A

(4) Part No. K7611-6533-2

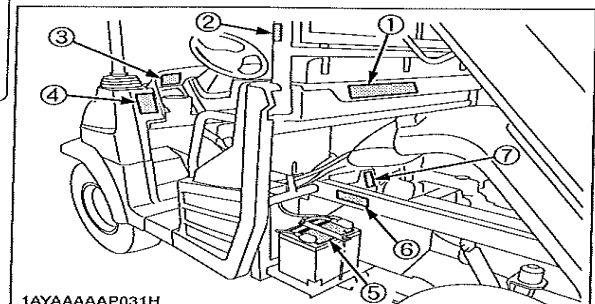


1AYAACAP0550

(7) Part No. K7561-6550-1

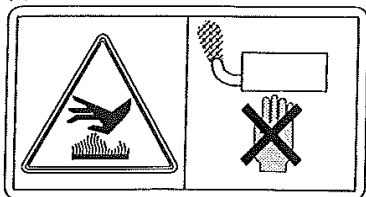


1AYAAAAAP112A



1AYAAAAAP031H

(1) Part No. K7561-6551-1

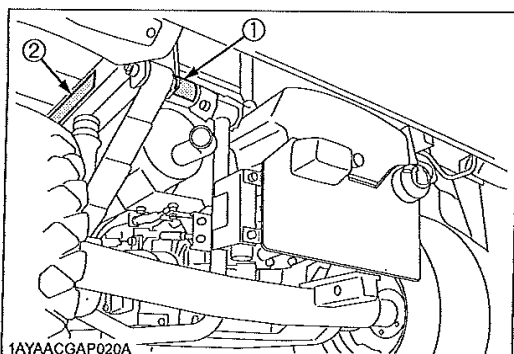


1AYAAAAAP113A

(2) Part No. K7581-6554-1

<p>⚠ CAUTION</p> <p>TO AVOID PERSONAL INJURY:</p> <ol style="list-style-type: none"> 1. Before touching any part of an exhaust system, be absolutely sure that it has had sufficient time to cool. 2. Always wear safety goggles and a (face) mask. 3. The particulate matter contained in the muffler contains chemicals that are harmful to people, animal and marine life. 4. If you are unable to do this work, have it done by your KUBOTA Dealer. 	<p>◆ Maintenance</p> <p>The screen type spark arrester should be removed, cleaned, and inspected after every 100 hours of use.</p> <ol style="list-style-type: none"> 1. The spark arrester is located inside of the exhaust pipe, and is fastened with two bolts. 2. Unfasten the bolts and remove the spark arrester. 3. Shake loosened particles out of the screen assembly and lightly clean the screen with a wire brush. Soak in solvent and again clean with a wire brush if necessary. 4. If any breaks in the screen or weldments are discovered, the assembly must be replaced. 5. Reinstall the spark arrester in the muffler body and retighten the bolts.
---	--

1AYAACGAP0170



1AYAACGAP020A

1AYAACGAP016A

CARE OF DANGER, WARNING AND CAUTION LABELS

1. Keep danger, warning and caution labels clean and free from obstruction material.
2. Clean danger, warning and caution labels with soap and water, dry with a soft cloth.
3. Replace damaged or missing danger, warning and caution labels from your local KUBOTA Dealer.
4. If a component with danger, warning and caution label(s) affixed is replaced with new part, make sure new label is (are) attached in the same location(s) as the replaced component.
5. Mount new danger, warning and caution labels by applying on a clean dry surface and pressing any bubbles to outer edge.

(1) Part No. K7584-6522-1

IMPORTANT	CAUTION
<p>TO AVOID DAMAGE TO TRANSMISSION:</p> <ul style="list-style-type: none"> 1. Shift the range gear shift lever (H/L/LP) or 4WD lever only when the vehicle is completely stopped. 2. When range gear shift lever is hard to engage, do not force the lever. 3. Set the parking brake, slightly depress the speed control pedal and release it to neutral position, then shift the lever. 4. When the lever is hard to disengage, do not force the lever. Depress the brake pedal fully, then shift the lever. 5. If the 4WD lever is difficult to shift to 2WD, stop the vehicle, turn steering wheel in both directions and then move the lever. 	<p>TO AVOID PERSONAL INJURY:</p> <ul style="list-style-type: none"> 1. Read and understand the operator's manual before operation. 2. Never allow anyone without a valid driver's license to operate this vehicle. 3. Before allowing other people to use the vehicle, have them read the operator's manual. 4. Wear safety gear, including helmet and eye protection, as appropriate. 5. Check the tightness of all nuts and bolts regularly. 6. In addition to the driver, only one passenger can be carried. Minimum age for passenger is five years old. 7. Before starting the engine, make sure that everyone is at a safe distance from the vehicle. 8. Do not operate the vehicle under the influence of drugs or alcohol. 9. Keep all shields in place and stay away from all moving parts. 10. Slow down for turns or rough terrain. 11. Before getting off from the vehicle, apply the parking brake, stop the engine and remove the key.

1A1AACCAP0130

(2) Part No. K7561-6565-3



1A1AAAAAP117A

(7) Part No. K7611-6557-1



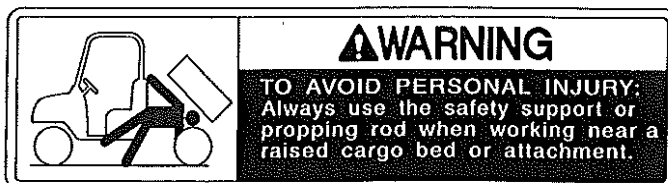
1A1AACAAP1000

(6) Part No. K7561-6560-1



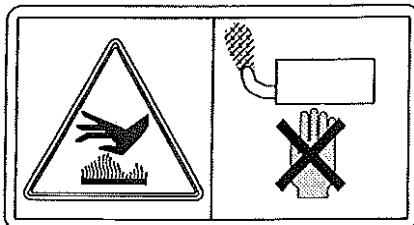
1A1AAAAAP115A

(3) Part No. K7561-6544-1



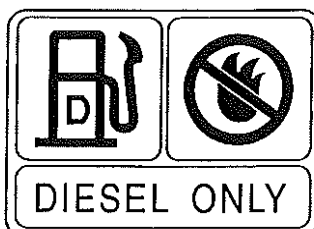
1A1AAAAAP110A

(4) Part No. K7561-6551-1

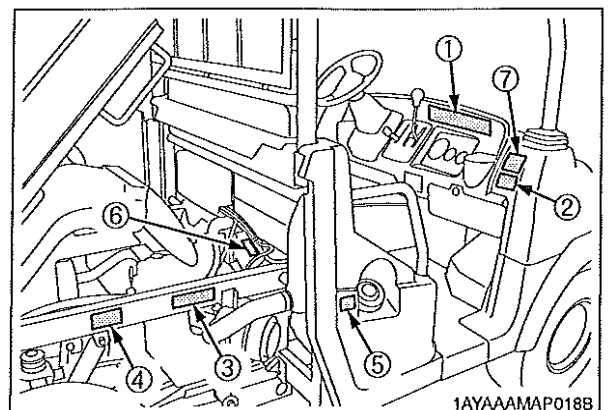


1A1AAAAAP113A

(5) Part No. K7561-6537-1



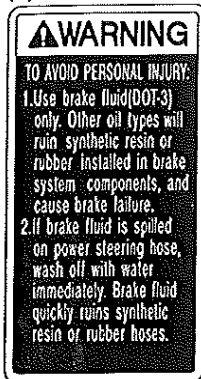
1A1AAAAAP108A



1A1AAAAAP018B

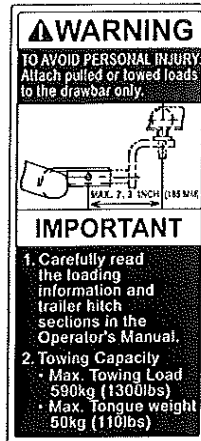
1A1AACCAP015A

(1) Part No. K7561-6546-2



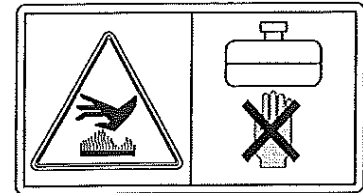
1AYAAAAAP111A

(2) Part No. K7561-6543-2



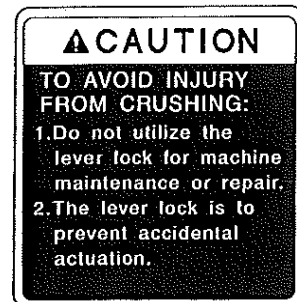
1AYAADAP001E

(3) Part No. K7581-6563-1



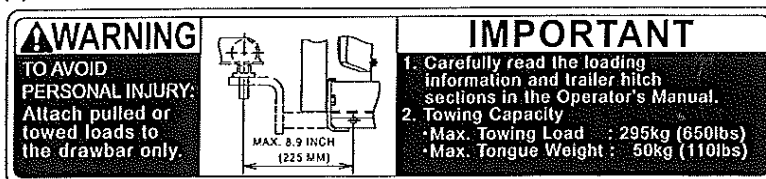
1AYAAAAAP114A

(4) Part No. K7561-6564-1

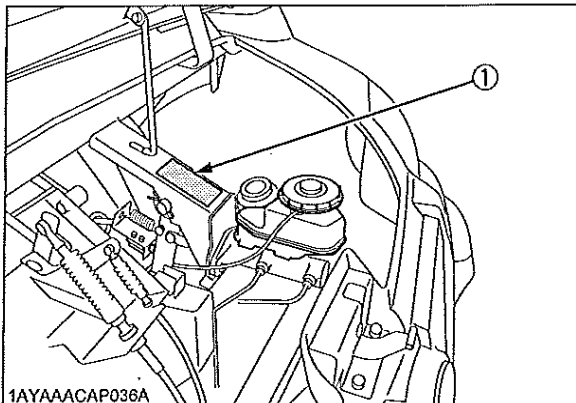


1AYAAAAAP116A

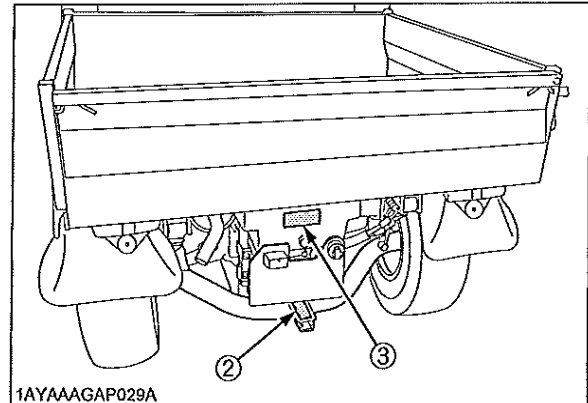
(5) Part No. K7561-6542-2



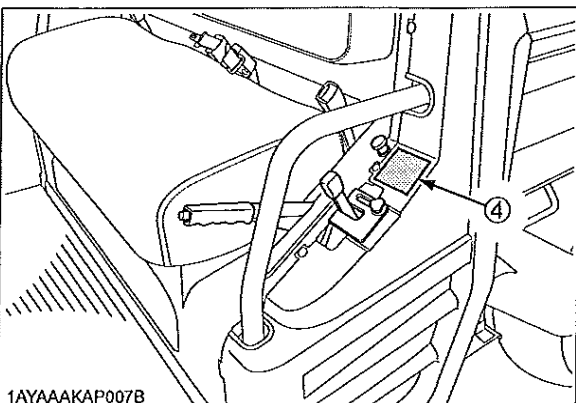
1AYAAAAAP135E



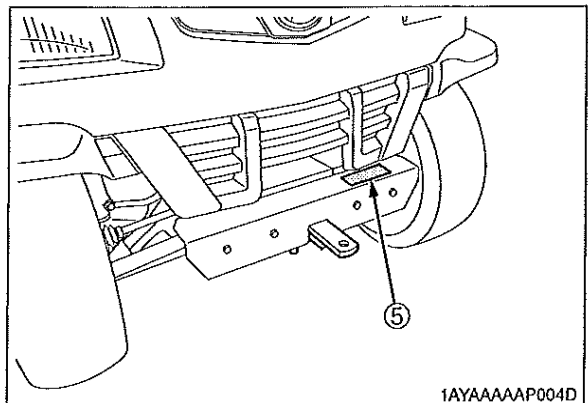
1AYAAACAP036A



1AYAAAGAP029A



1AYAAAKAP007B

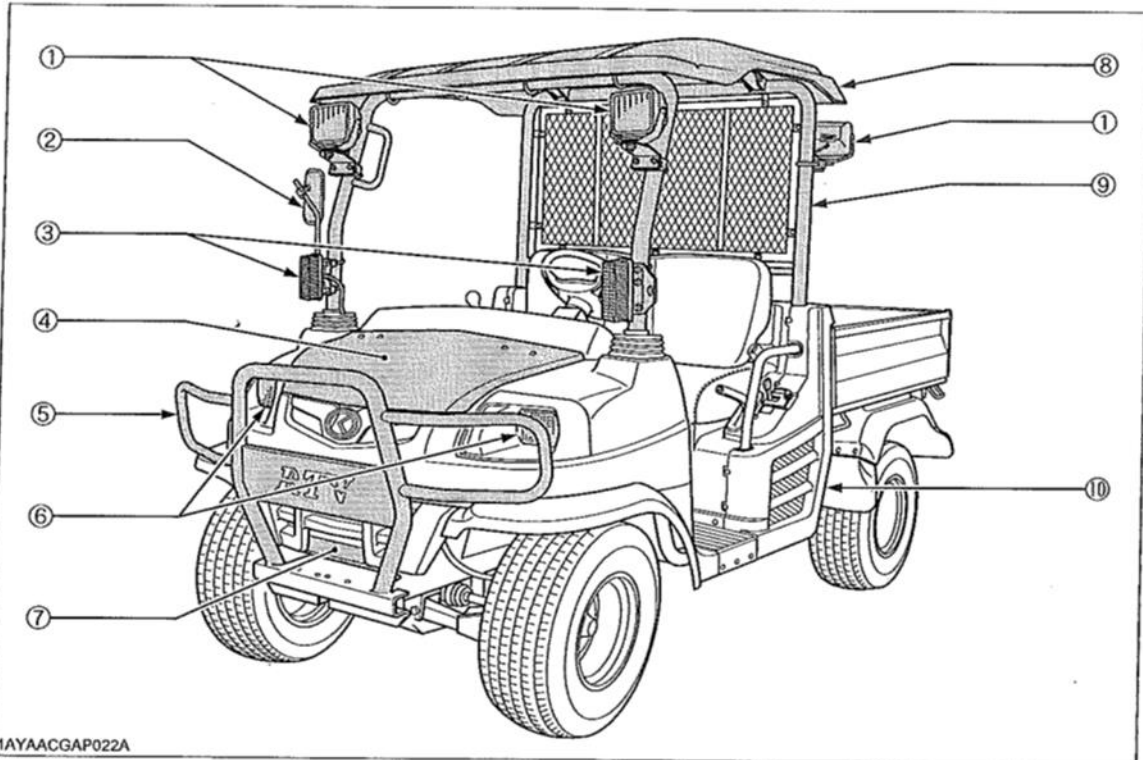


1AYAAAAAP004D

1AYAACGAP019A

INSTRUMENT PANEL AND CONTROLS

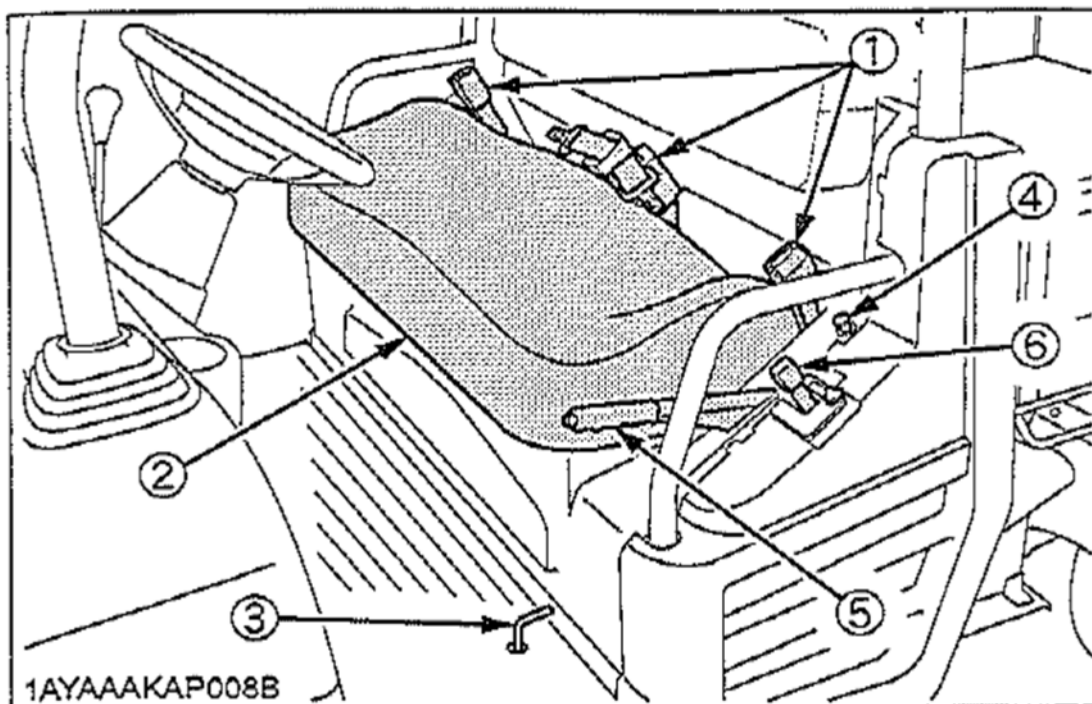
LOCATION OF PARTS



1A9AACGAP022A

ILLUSTRATED CONTENTS

(1) Work light (if equipped).....	17, 17
(2) Rear view mirror.....	--
(3) Hazard / Turn signal / Side marker light.....	16, 16
(4) Front hood.....	41
(5) Front guard.....	--
(6) Headlights.....	16
(7) Winch mount bracket.....	34
(8) Outer roof.....	--
(9) ROPS.....	--
(10) Battery.....	56


























ILLUSTRATED CONTENTS

(1) Seat belts.....	15
(2) Seat.....	41
(3) Differential lock pedal.....	24
(4) Differential lock holder.....	24
(5) Parking brake lever.....	19
(6) Hydraulic lift cylinder lever.....	31

UNIVERSAL SYMBOLS

As a guide to the operation of your vehicle, various universal symbols have been utilized on the instruments and controls. The symbols are shown below with an indication of their meaning.

 Safety Alert Symbol	 Lift Cylinder-Retract
 Diesel Fuel	 Lift Cylinder-Extend
 Hourmeter/Elapsed Operating Hours	 Lift Cylinder-Float
 Engine Coolant-Temperature	 Hazard Warning Lights
 Brake Fluid & Parking Brake	 Headlight-Low Beam
 Engine Intake/Combustion Air-Filter	 Headlight-High Beam
 Battery Charging Condition	 Audible Warning Device
 Engine Oil-Pressure	 Fast
 Turn Signal/Hazard/Trailer indicator	 Slow
 Engine-Run	 Lock
 Starter Control	 Unlock
 Diesel Preheat/Glow Plugs(Low Temperature Start Aid)	

GENERAL RULES

- Operate between 6am and 4pm only.
- Access campus road network only to cross roads.
- Not to be used off campus Wagga and Bathurst campuses only.
- Flashing amber beacon required and used while vehicle moving.
- Restricted maximum speed of 20klm.
- Restricted maximum speed of 14klm if using trailer.
- Use only in daylight and floodlit worksite.
- Kubota key must be locked in key cupboard. An identification tag must be left on the hook when in use.
- Seatbelt must be worn while in use.
- Kubota keys must be locked in key cupboard.
- Current drivers licence must be on your person at all times whilst driving the Kubota.
- Be very aware of pedestrians particularly students walking between accommodation areas.
- Be aware of kangaroos at certain times of the year.
- Reduce speed in hilly areas; remember drive straight up and down a hill.
- Important **DEISEL** fuel only. Check fuel gauge on a regular basis.
- If you are the regular driver ensure maintenance checks are completed on a weekly basis.