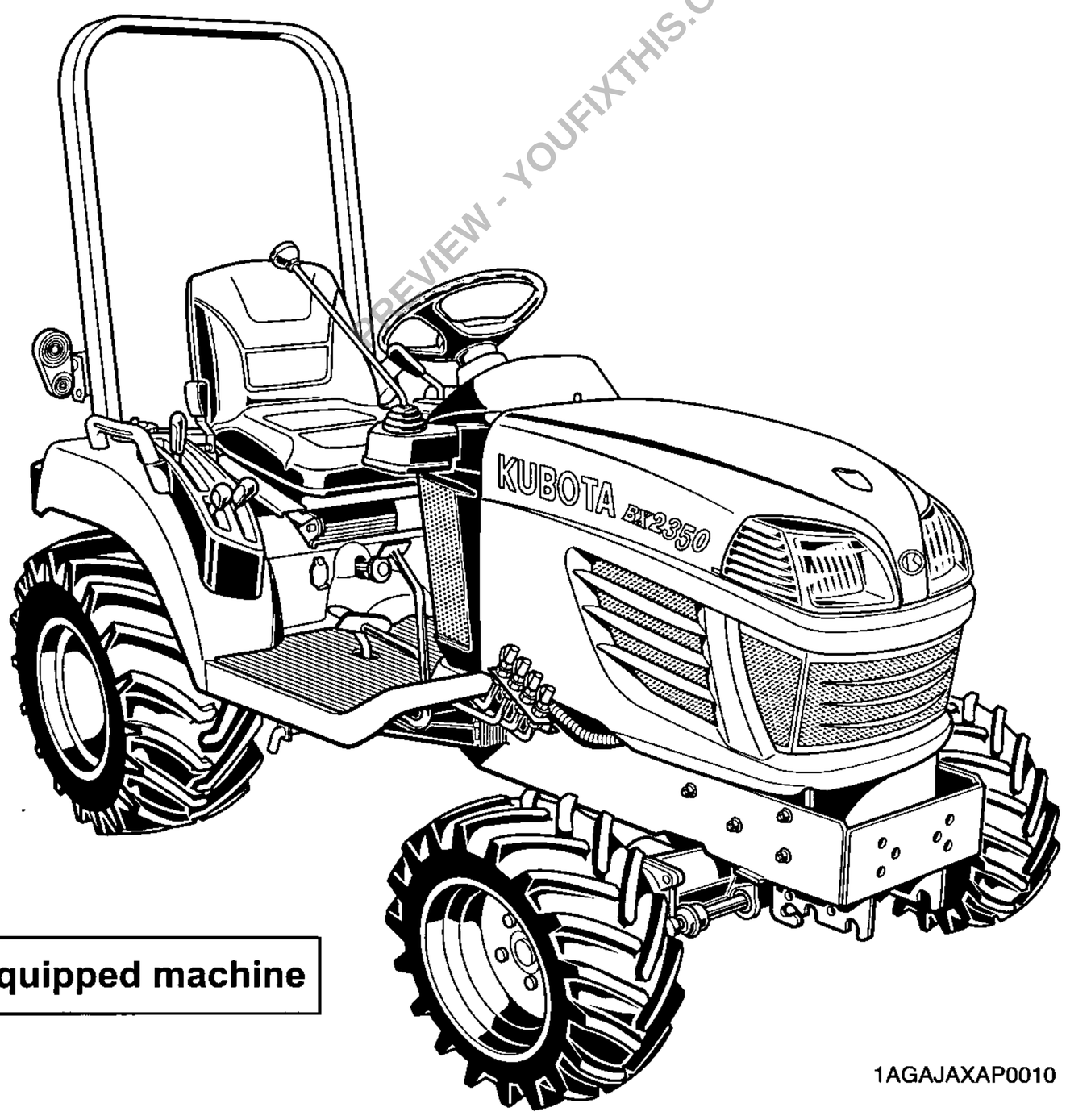
OPERATOR'S MANUAL

BX2350 S# 60964

KUBOTA TRACTOR

MODELS BX1850 • BX2350

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AUX. valve equipped machine

1AGAJAXAP0010

READ AND SAVE THIS MANUAL

Kubota

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SAFE OPERATION

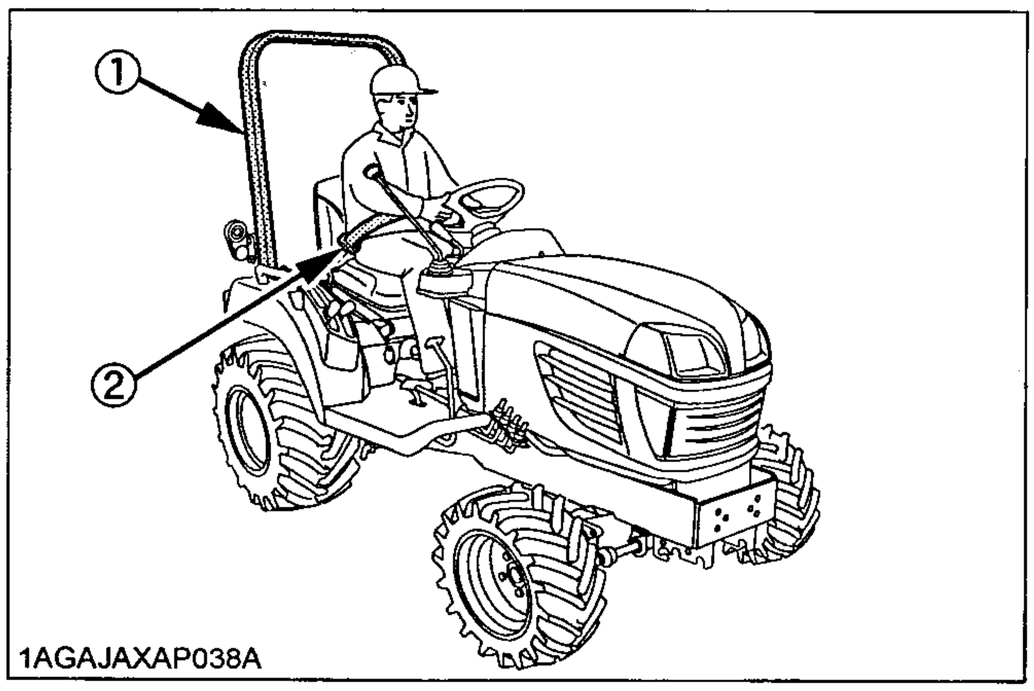
Careful operation is your best insurance against an accident.

Read and understand this manual carefully before operating the tractor.

All operators, no matter how much experience they may have, should read this and other related manuals before operating the tractor or any implement attached to it. It is the owner's obligation to instruct all operators in safe operation.

1. BEFORE OPERATING THE TRACTOR

1. Know your equipment and its limitations. Read this entire manual before attempting to start and operate the tractor.
2. Pay special attention to the danger, warning and caution labels on the tractor.
3. KUBOTA recommends the use of a CAB or Roll Over Protective Structures (ROPS) and seat belt in almost all applications. This combination will reduce the risk of serious injury or death, should the tractor be upset.
   If the CAB or ROPS is loosened or removed for any reason, make sure that all parts are reinstalled correctly before operating the tractor.
   Never modify or repair a CAB or ROPS because welding, bending, drilling, grinding, or cutting may weaken the structure.
   A damaged CAB or ROPS structure must be replaced, not repaired or revised. If any structural member of the CAB or ROPS is damaged, replace the entire structure at your local KUBOTA Dealer.



(1) ROPS
(2) Seat belt

4. Always use the seat belt if the tractor has a CAB or ROPS. Do not use the seat belt if there is no CAB or ROPS. Check the seat belt regularly and replace if frayed or damaged.
5. Do not operate tractor 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 tractor or any implement attached to it. Check for overhead clearance which may interfere with a CAB or ROPS. Do not allow any bystanders around or near tractor during operation.
7. Before allowing other people to use your tractor, explain how to operate and have them read this manual before operation.
8. Never wear loose, torn, or bulky clothing around tractor. It may catch on moving parts or controls, leading to the risk of an accident. Use additional safety items, e.g. hard hat, safety boots or shoes, eye and hearing protection, gloves, etc., as appropriate or required.
9. Do not allow passengers to ride on any part of the tractor at anytime. The operator must remain in the tractor seat during operation.
10. Check brakes, 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.)
11. Keep your tractor clean. Dirt, grease, and trash build up may contribute to fires and lead to personal injury.
12. Use only implements meeting the specifications listed under "IMPLEMENT LIMITATIONS" in this manual or implements approved by KUBOTA.
13. Use proper weights on the front or rear of the tractor to reduce the risk of upsets. When using the front loader, put an implement or ballast on the 3-point hitch to improve stability. Follow the safe operating procedures specified in the implement or attachment manual.
14. Do not modify the tractor. Unauthorized modification may affect the function of the tractor, which may result in personal injury.

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SPECIFICATIONS

SPECIFICATION TABLE

Model				BX1850	BX2350
PTO power			kW (HP)	10.2 (13.7)*	13.2 (17.7)*
Engine	Maker			KUBOTA	
	Model			D722-E2-BX-2	D902-E2-BX-2
	Type			Indirect injection, vertical, water-cooled, 4-cycle diesel	
	Number of cylinders			3	
	Bore and stroke		mm (in.)	67x68 (2.64x2.68)	72x73.6 (2.83x2.90)
	Total displacement		cm^3 (cu. in.)	719 (43.9)	898 (54.8)
	Engine gross power		kW (HP)	13.4 (18.0)	17.1 (23.0)
	Rated revolution		rpm	3200	
	Maximum torque		N-m (ft-lbs.)	44.9 (33.1)	56.1 (41.4)
	Battery			12V, RC: 62min, CCA:435A	12V, RC:80min, CCA:535A
	Fuel			Diesel fuel No.2 [above -10 ℃ (14 ℉)] Diesel fuel No.1 [below -10 ℃ (14 ℉)]	
Capacities	Fuel tank		L (U.S.gals.)	25 (6.6)	
	Engine crankcase (with filter)		L (U.S.qts.)	2.9 (3.06)	3.1 (3.3)
	Engine coolant		L (U.S.qts.)	2.5 (2.6)	2.7 (2.8)
	Recovery tank		L (U.S.qts.)	0.4 (0.4)	
	Transmission case		L (U.S.gals.)	11.6 (3.1)	
Dimensions	Overall length (without 3p)		mm (in.)	2035 (80.1)	2120 (83.5)
	Overall length (with 3p)		mm (in.)	2340 (92.1)	2425 (95.5)
	Overall width (min. tread)		mm (in.)	1145 (45.1)	
	Overall height	(with ROPS)	mm (in.)	1760 (69.3)	1785 (70.3)
			mm (in.)	1230 (48.4) (Top of seat)	1255 (49.4) (Top of seat)
	Wheel base		mm (in.)	1340 (52.8)	1400 (55.1)
	Min. ground clearance		mm (in.)	150 (5.9)	175 (6.9)
	Tread	Front	mm (in.)	880 (34.6)	910 (35.8)
		Rear	mm (in.)	820 (32.2)	
Weight (with ROPS)			kg (lbs.)	570 (1256.6)	585 (1289.7)
Clutch				N / A	
Traveling system	Tire	Front		16x7.50-8	18x8.50-10
		Rear		24x12.00-12	26x12.00-12
	Steering			Hydrostatic type power steering	
	Transmission			Main: Hydrostatic transmission, High-Low gear shift (2 forward, 2 reverse)	
	Brake			Wet disk type	
	Min. turning radius		m (feet)	2.18 (7.15)	2.3 (7.5)
Hydraulic unit	Hydraulic control system			Directional control, auto-return lever system	
	Pump capacity		L/min. (gals/min.)	23.5 (6.2)	
	Three point hitch			SAE Category 1	
	Max. lift force	At lift points	N (lbs.)	5390 (1210)**	
		24in. behind lift points	N (lbs.)	3040 (680)**	
PTO	Rear PTO			SAE 1-3/8, 6 splines	
		Revolution	rpm	1 speed (540 rpm at 3142 engine rpm)	
	MID-PTO			USA No.5 (KUBOTA 10-tooth) involute spline	
		Revolution	rpm	1 speed (2500 rpm at 3043 engine rpm)	

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OPERATING THE TRACTOR

OPERATING NEW TRACTOR

How a new tractor is handled and maintained determines the life of the tractor.

A new tractor just off the factory production line has been, of course, tested, but the various parts are not accustomed to each other, so care should be taken to operate the tractor for the first 50 hours at a slower speed and avoid excessive work or operation until the various parts become "broken-in." The manner in which the tractor is handled during the "breaking-in." period greatly affects the life of your tractor. Therefore, to obtain the maximum performance and the longest life of the tractor, it is very important to properly break-in your tractor. In handling a new tractor, the following precautions should be observed.

■Do not Operate the Tractor at Full Speed for the First 50 Hours.

- Do not start quickly or apply the brakes suddenly.
- In winter, operate the tractor after fully warming up the engine.
- Do not run the engine at speeds faster than necessary.
- On rough roads, slow down to suitable speeds. Do not operate the tractor at fast speed.

The above precautions are not limited only to new tractors, but to all tractors. But it should be especially observed in the case of new tractors.

■Changing Lubricating Oil for New Tractors

The lubricating oil is especially important in the case of a new tractor. The various parts are not "broken-in" and are not accustomed to each other; small metal grit may develop during the operation of the tractor; and this may wear out or damage the parts. Therefore, care should be taken to change the lubricating oil a little earlier than would ordinarily be required.

For further details of change interval hours.

(See "MAINTENANCE" section)

STARTING

1. Adjusting the operator's position.

■Operator's Seat

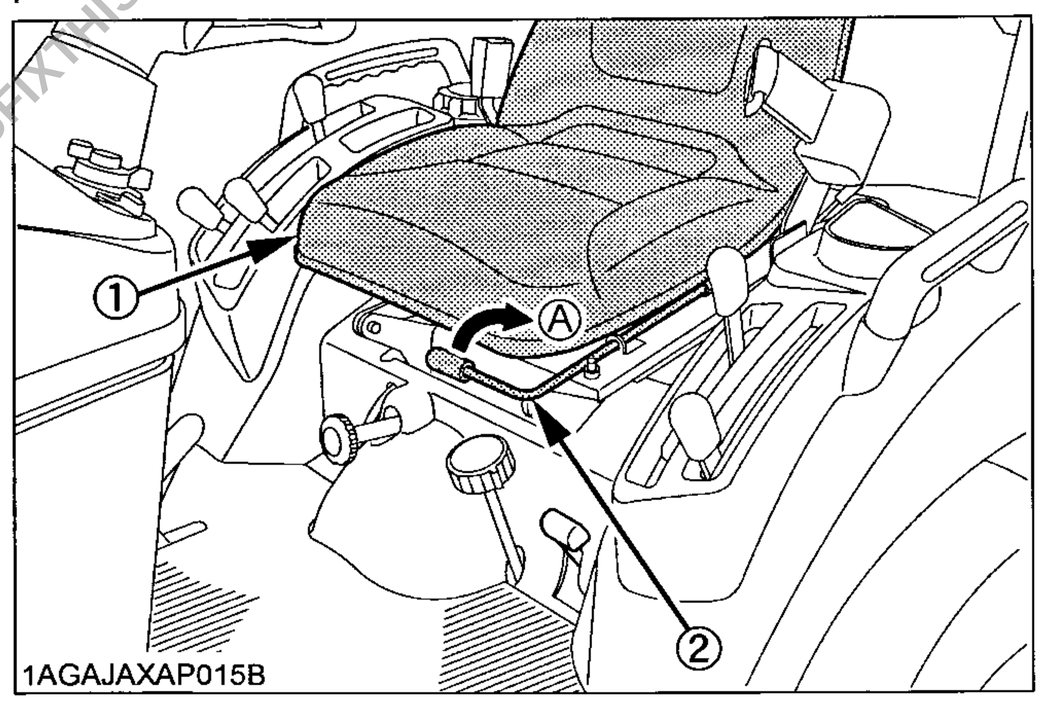
⚠ CAUTION

To avoid personal injury:

- **Make adjustments to the seat only while the tractor is stopped.**
- **Make sure that the seat is completely secured after each adjustment.**
- **Do not allow any person other than the driver to ride on the tractor.**

◆ Travel adjustment

Pull up the position adjust lever and slide the seat backward or forward, as required. The seat will lock in position when the lever is released.



(1) Seat
(2) Position adjust lever *(A) "PULL UP"*

IMPORTANT :

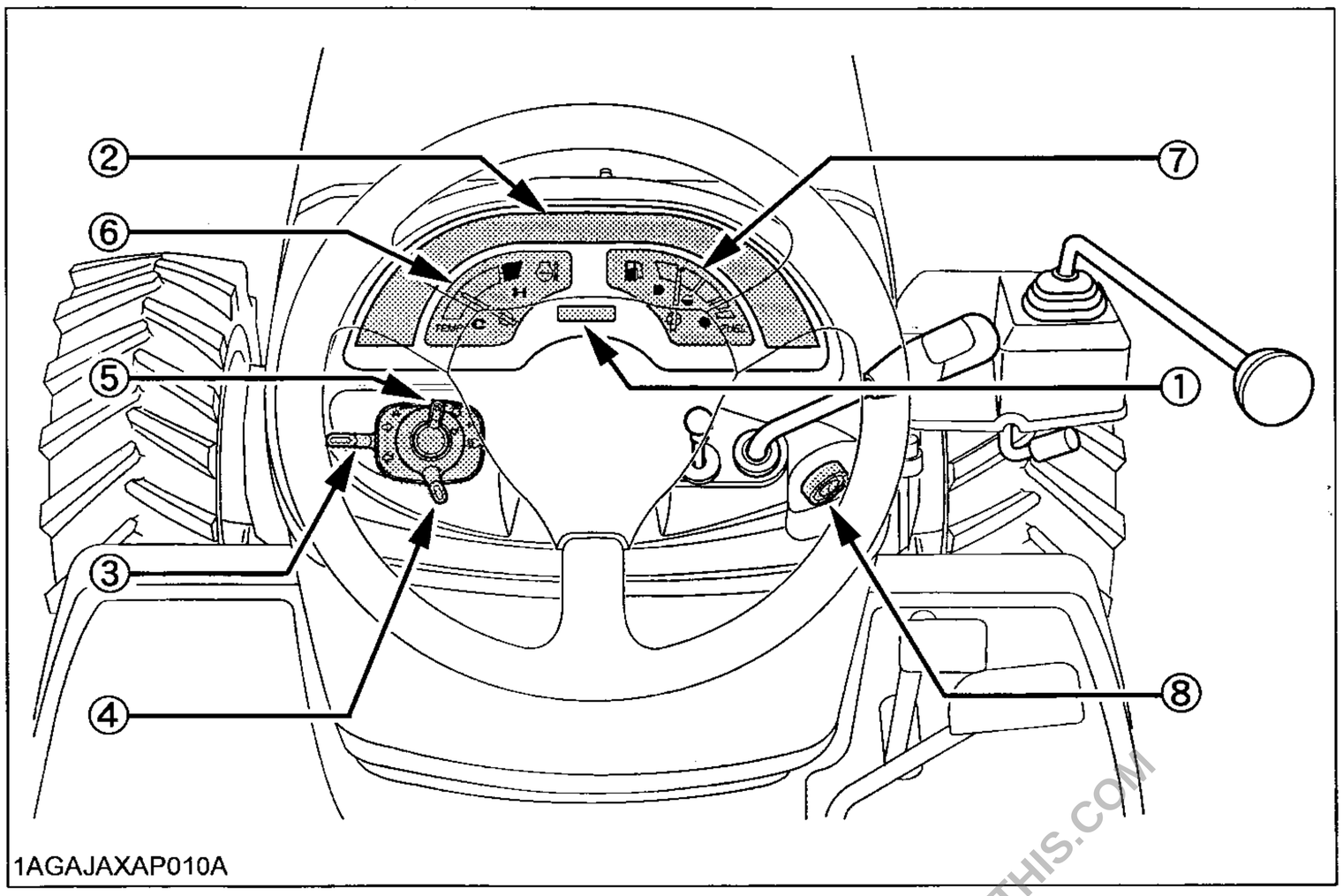
- After adjusting the operator's seat, be sure to check that the seat is properly locked.

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INSTRUMENT PANEL AND CONTROLS

■ Instrument Panel, Switches and Hand Controls



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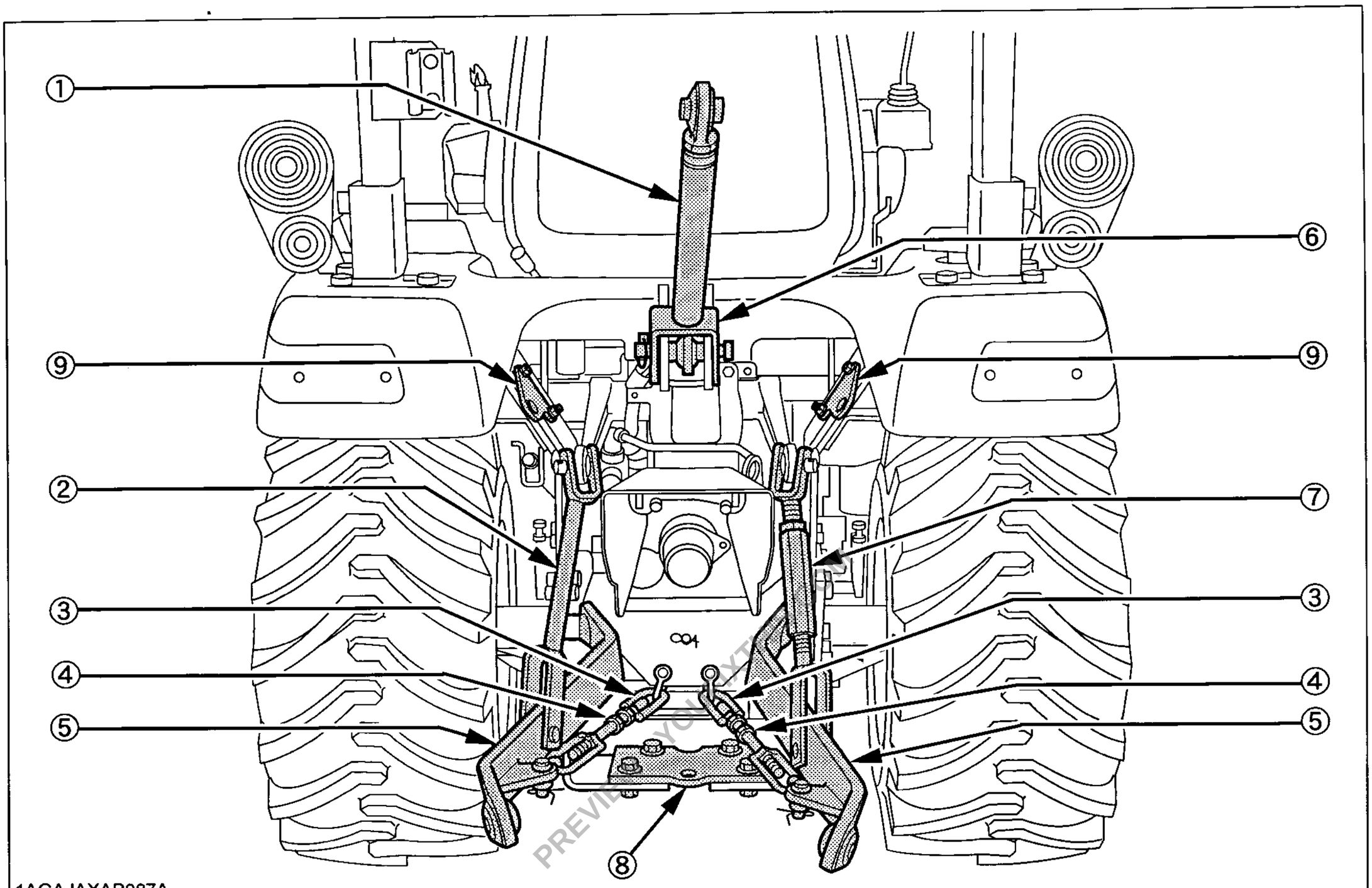
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(8) Key switch..... 9

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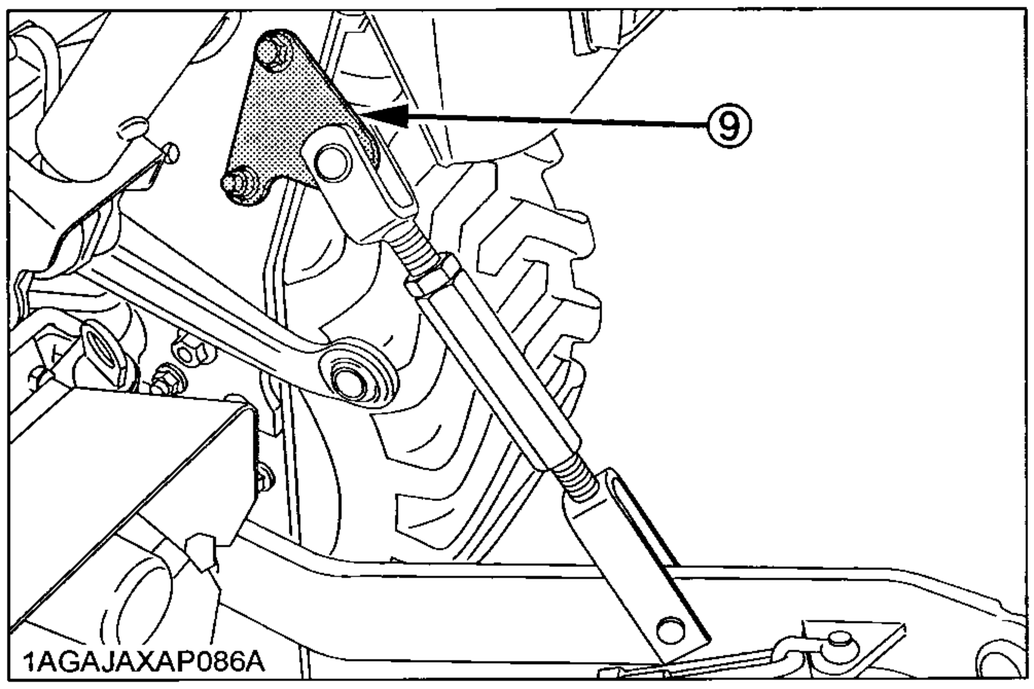
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THREE-POINT HITCH & DRAWBAR



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Use holder plate to hold lower link higher while mowing with mid-mount mower only over uneven terrain.



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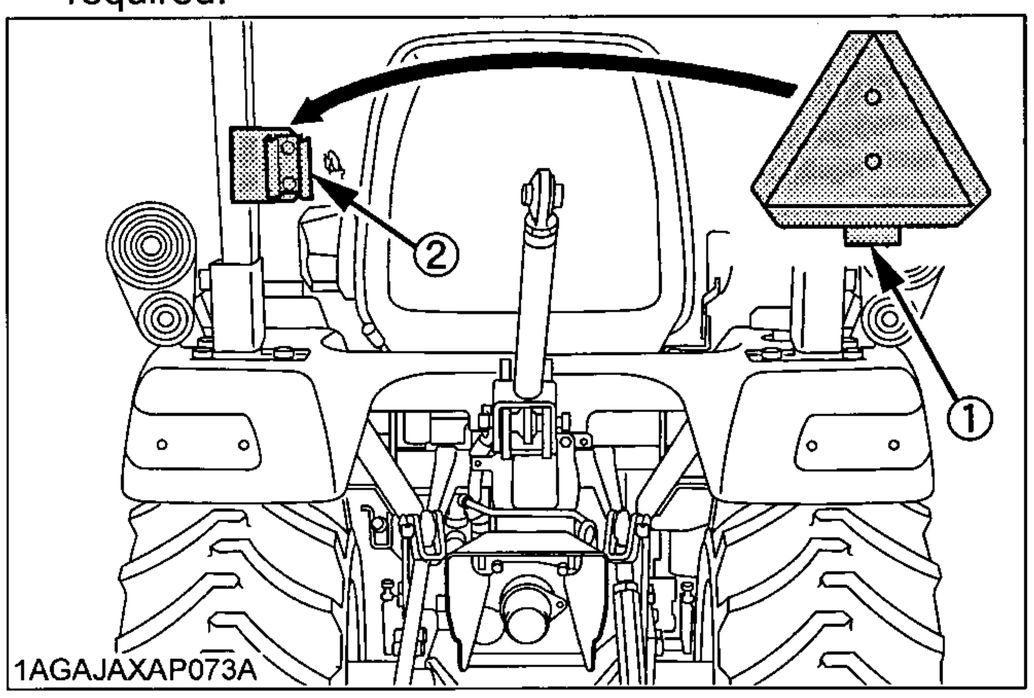
(9) Holder plate

(1) Top link
(2) Lifting rod (Left)
(3) Check chains
(4) Turnbuckle
(5) Lower link
(6) Top link holder
(7) Lifting rod (Right)
(8) Drawbar
(9) Holder plate

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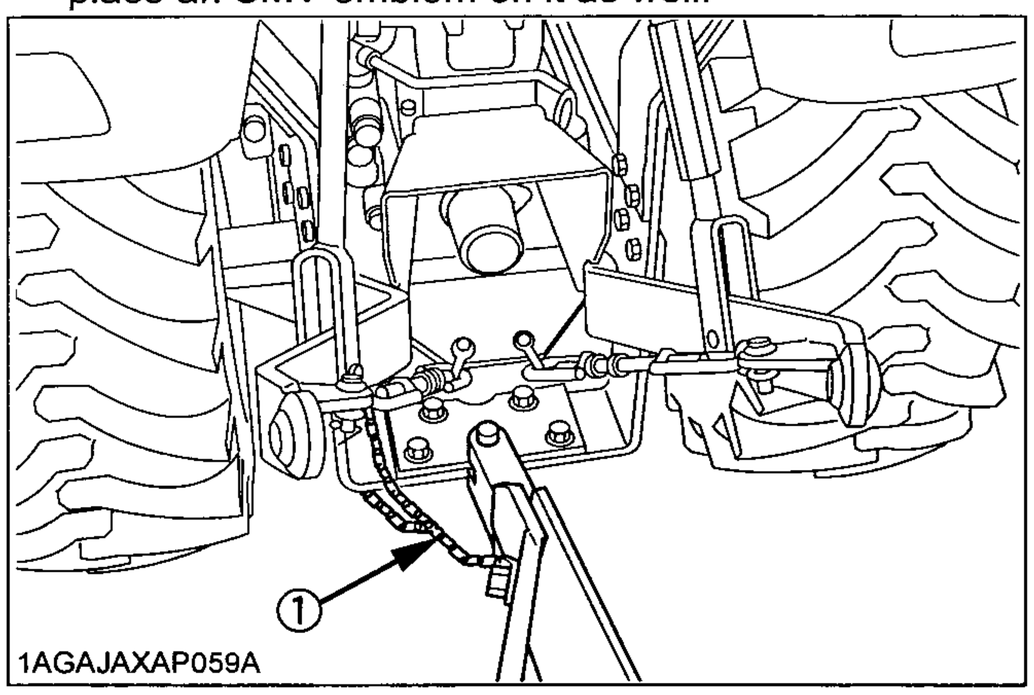
◆ **Driving the tractor on the road**

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 tractor down before turning. Turning at high speed may tip the tractor over.
3. Make sure that the Slow Moving Vehicle (SMV) sign is clean and visible. Use hazard lights and turn signals as required.



(1) SMV emblem
(2) Bracket

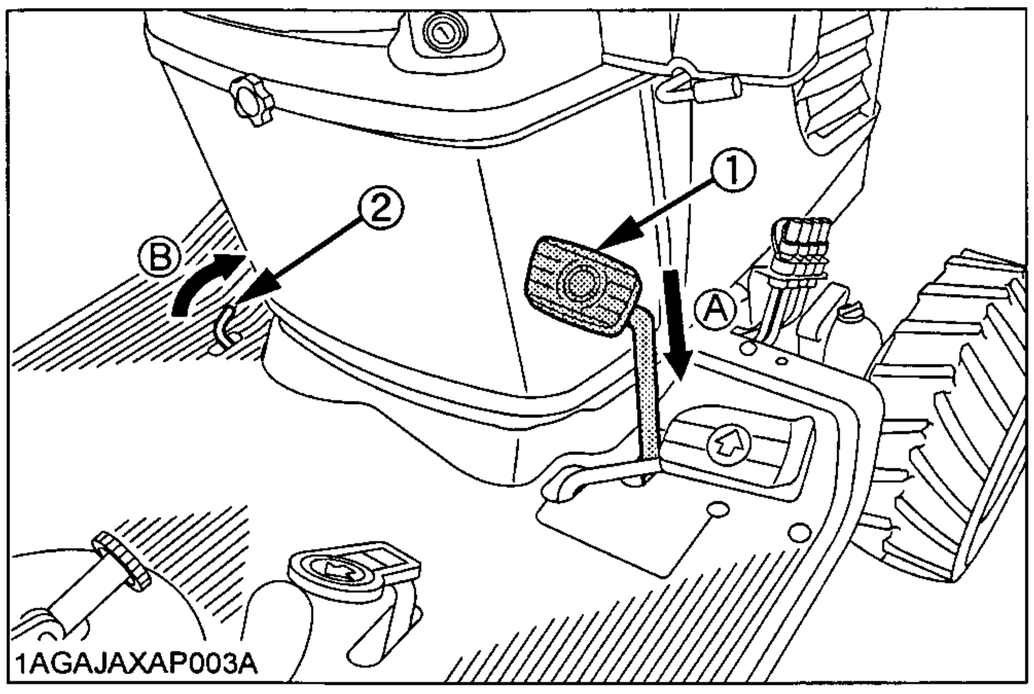
4. Observe all local traffic and safety regulations.
5. Turn the headlights on.
6. Drive at speeds that allow you to maintain control at all times.
7. Do not apply the differential lock while traveling at road speeds. The tractor may run out of control.
8. Avoid sudden motions of the steering wheel as they can lead to a dangerous loss of stability. The risk is especially great when the tractor is traveling at road speeds.
9. Do not operate an implement while the tractor is on the road. Lock the 3-point hitch in the raised position.
10. When towing other equipment, use a safety chain and place an SMV emblem on it as well.



(1) Safety chain

3. PARKING THE TRACTOR

1. Disengage the PTO, lower all implements to the ground, place all control levers in their neutral positions, set the parking brake, stop the engine, and remove the key.



(1) Brake pedal
(2) Parking brake pedal
(A) "DEPRESS"
(B) "PUSH FORWARD WHILE DEPRESSING (1)"

2. Make sure that the tractor 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.

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