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KUBOTA Corporation

English (Australia)
Code No. TD170-1974-2

L3240·L3540·L3940·L4240·L4740·L5040·L5240·L5740

OPERATOR'S MANUAL

KUBOTA TRACTOR

MODELS L3240·L3540·L3940 L4240·L4740·L5040 L5240·L5740



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⚠ SAFE OPERATION

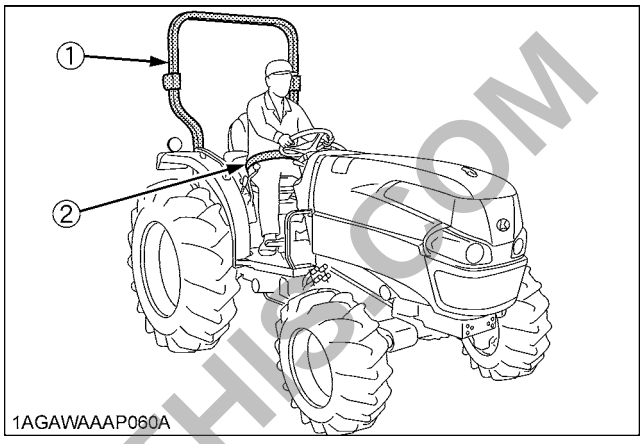
Careful operation is your best insurance against an accident.

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 tractor is equipped with a foldable ROPS it may be temporarily folded down only when absolutely necessary for areas with height constraints.
   (There is no operator protection provided by the ROPS in the folded position. For operator safety the ROPS should be placed in the upright and locked position and the seat belt fastened for all other operations.)
   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 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 a foldable ROPS is down or there is no 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, clutch, linkage pins 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.

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SPECIFICATIONS

SPECIFICATION TABLE [HST Type]

Model				L3240	L3540	L3940	L4240	L4740	L5240	L5740
				4WD						
Engine	Model			D1703-M-E2-HST	D1803-M-E2-HST	V2003-M-E2-HST	V2203-M-E2-HST	V2403-M-E2-HST	V2403-M-TE2-HST	
	Type			Indirect injection vertical, water-cooled, 4-cycle diesel						
	Number of cylinders			3		4				
	Total displacement		L (cu. in.)	1.647 (100.5)	1.826 (111.4)	1.999 (122.0)	2.197 (134.0)	2.434 (148.5)		
	Bore and stroke		mm (in.)	87 x 92.4 (3.4 x 3.6)	87 x 102.4 (3.4 x 4.0)	83 x 92.4 (3.3 x 3.6)	87 x 92.4 (3.4 x 3.6)	87 x 102.4 (3.4 x 4.0)		
	Net power*		kW (HP)	23.9 (32.0)	26.1 (35.0)	28.7 (38.5)	31.3 (42.0)	35.1 (47.0	38.8 (52.0)	42.5 (57.0)
	PTO power* (factory observed)		kW (HP)/ rpm	18.7 (25.0)/ 2700	20.9 (28.0)/ 2700	23.5 (31.5)/ 2700	26.1 (35.0)/ 2700	29.8 (40.0)/ 2700	33.6 (45.0)/ 2600	37.3 (50.0)/ 2700
	Maximum torque		N-m (ft-lbs.)	101.7 (75.0)	112.8 (83.2)	123.7 (91.2)	139.7 (103.0)	154.3 (113.8)	180.6 (133.2)	
	Battery capacity			12V, RC: 123min, CCA: 490A	12V, RC: 133 min, CCA: 582A					
	Fuel			Diesel fuel No.1 [below-10 ℃ (14 ℉)] Diesel fuel No.2 [above-10 ℃ (14 ℉)]						
Capacities	Fuel tank		L (U.S.gals.)	44 (11.6)		50 (13.2)		54 (14.3)		
	Engine crankcase (with filter)		L (U.S.qts.)	5.7 (6.0)	6.7 (7.1)	8.2 (8.7)			9.4 (9.9)	
	Engine coolant		L (U.S.qts.)	6.0 (6.3)	7.5 (7.9)			8.2 (8.7)		
	Transmission case		L (U.S.gals.)	42 (11.1)		43 (11.4)			45 (11.9)	
Dimensions	Overall length (without 3p)		mm (in.)	2920 (115.0)		3085 (121.5)		3145 (123.8)	3210 (126.4)	
	Overall width (min. tread)		mm (in.)	1520 (59.8)		1690 (66.5)			1710 (67.3)	
	Overall height (with ROPS)		mm (in.)	2465 (97.0)		2475 (97.4)		2555 (100.6)	2565 (101.0)	
	Wheel base		mm (in.)	1805 (71.1)		1895 (74.6)			1915 (75.4)	
	Min. ground clearance		mm (in.)	355 (14.0)		370 (14.6)			400 (15.7)	
	Tread	Front	mm (in.)	1155 (45.5)			1300 (51.2)		1340 (52.8)	
		Rear	mm (in.)	1200 (47.2), 1300 (51.2), 1385 (54.5), 1480 (58.3)		1285 (50.6), 1435 (56.5), 1530 (60.2)			1325 (52.2), 1430 (56.3)	
Weight (with ROPS)			kg (lbs.)	1540 (3395)		1645 (3627)	1665 (3671)		1770 (3902)	

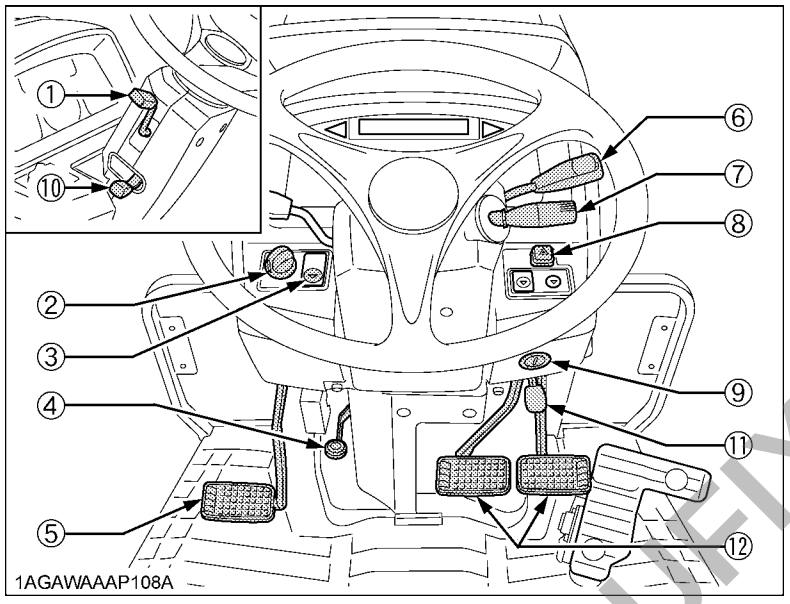
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INSTRUMENT PANEL AND CONTROLS

■ Instrument Panel, Switches and Hand Controls

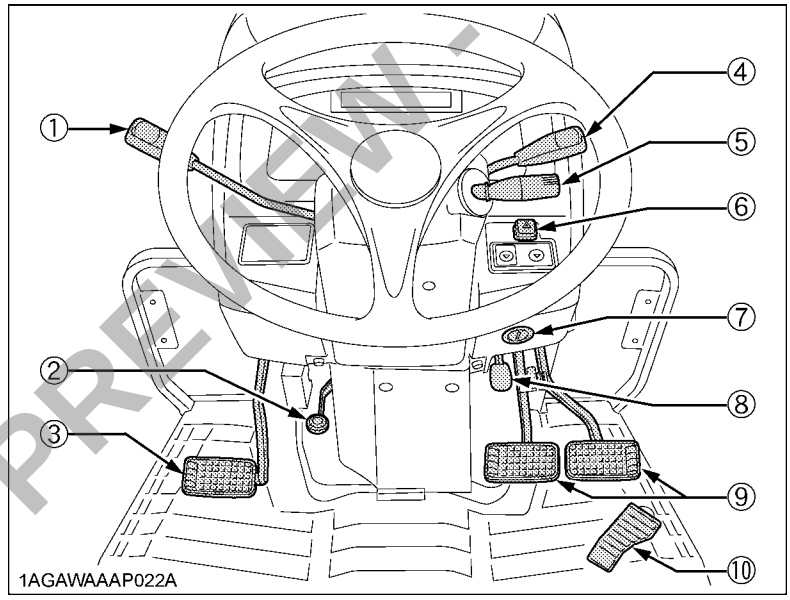
◆ HST Type



ILLUSTRATED CONTENTS

(1) H-DS lever 36
(2) HST response control dial 36
(3) HST mode select switch 37
(4) Tilt pedal 30
(5) Clutch pedal 34
(6) Hand throttle lever 39
(7) Turn signal / Head light switch 31
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(9) Key switch 19
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(11) Parking brake lever 19, 39, 54
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◆ GST / Manual Transmission Type



ILLUSTRATED CONTENTS

(1) Shuttle shift lever [GST Type] Synchro-shuttle shift lever [Manual Transmission Type]..... 42, 47
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(8) Parking brake lever 19, 46, 49, 54
(9) Brake pedal 33
(10) Foot throttle 45, 49

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OPERATING THE ENGINE

CAUTION

To avoid personal injury:

- **Read "Safe Operation" in the front of this manual.**
- **Read the danger, warning and caution labels located on the tractor.**
- **To avoid the danger of exhaust fume poisoning, do not operate the engine in a closed building without proper ventilation.**
- **Never start engine while standing on ground. Start engine only from operator's seat.**
- **Make it a rule to set all shift levers to the "NEUTRAL" positions and to place PTO lever in "OFF" position before starting the engine.**

IMPORTANT :

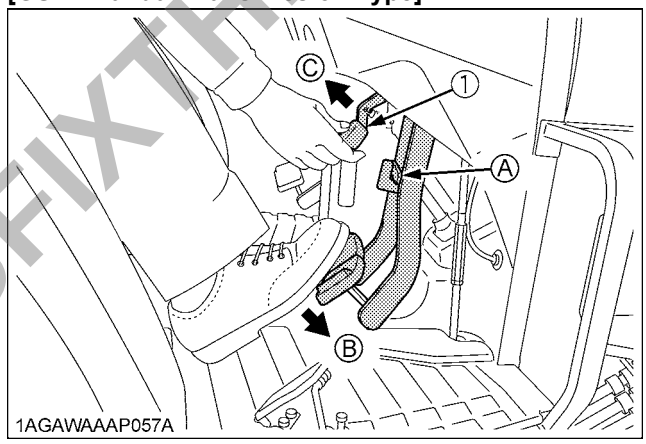
- Do not use starting fluid or ether.
- To protect the battery and the starter, make sure that the starter is not continuously turned for more than 10 seconds.

STARTING THE ENGINE

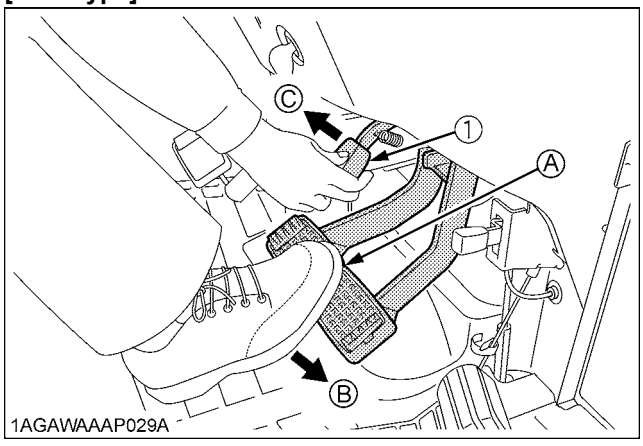
1. Make sure the parking brake is set.

1. To set the parking brake;
   (1) Interlock the brake pedals.
   (2) Depress the brake pedals.
   (3) Latch the brake pedals with the parking brake lever.
2. To release the parking brake, depress the brake pedals.

[GST / Manual Transmission Type]



[HST Type]



(1) Parking brake lever
(A) Interlock the brake pedals
(B) "DEPRESS"
(C) "PULL"

IMPORTANT :

- To prevent damage to the parking brake lever, make sure that brake pedals are fully depressed before pulling the parking brake lever up.

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■Operating on Slopes and Rough Terrain

CAUTION

To avoid personal injury:

- **Always back up when going up a steep slope. Driving forward could cause the tractor to tip over backward. Stay off hills and slopes too steep for safe operation.**
- **Avoid changing gears when climbing or descending a slope.**
- **If operating on a slope, never disengage the clutch or shift levers to neutral. Doing so could cause loss of control.**
- **Do not drive the tractor close to the edges of ditches or banks which may collapse under the weight of the tractor. Especially when the ground is loose or wet.**

1. Be sure wheel tread is adjusted to provide maximum stability.
   (See "WHEEL ADJUSTMENT" in "TIRES, WHEELS AND BALLAST" section.)
2. Slow down for slopes, rough ground, or sharp turns, especially when transporting heavy, rear mounted equipment.
3. Before descending a slope, shift to a gear low enough to control speed without using brakes.

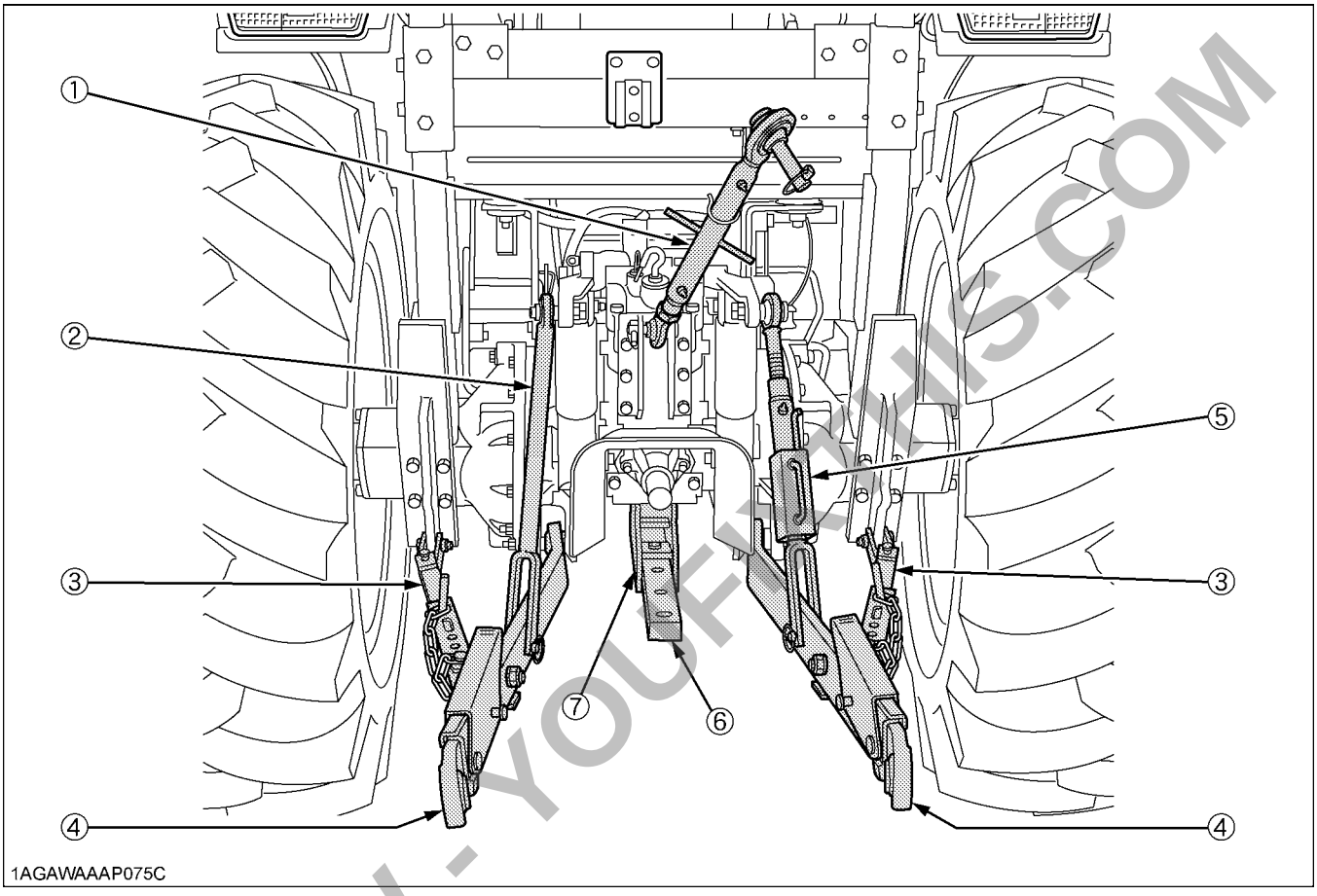
■Directions for Use of Power Steering

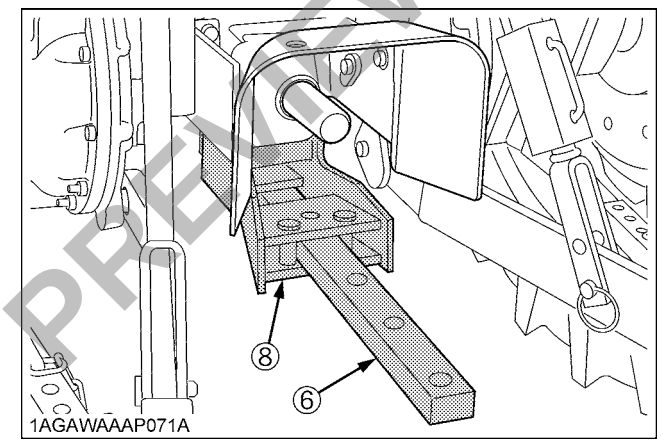
1. Power steering is activated only while the engine is running. Slow engine speeds make the steering a little heavier. While the engine is stopped, the tractor functions in the same manner as tractors without power steering.
2. When the steering wheel is turned all the way to the stop, the relief valve is activated. Do not hold the steering wheel in this position for a long period of time.
3. Avoid turning the steering wheel while the tractor is stopped, or tires may wear out sooner.
4. The power steering mechanism makes the steering easier. Be careful when driving on a road at high speeds.

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THREE-POINT HITCH & DRAWBAR





(1) Top link
(2) Lifting rod (Left)
(3) Telescopic stabilizers
(4) Lower link
(5) Lifting rod (Right)
(6) Drawbar
(7) Fixed drawbar frame
(8) Swing drawbar frame [option]

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■Checking Seat Belt and ROPS

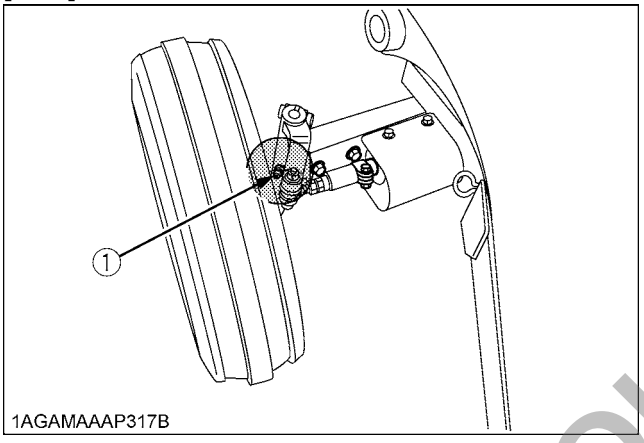
1. Always check condition of seat belt and ROPS attaching hardware before operating tractor.
2. Replace if damaged.

EVERY 50 HOURS

■Lubricating Grease Fittings

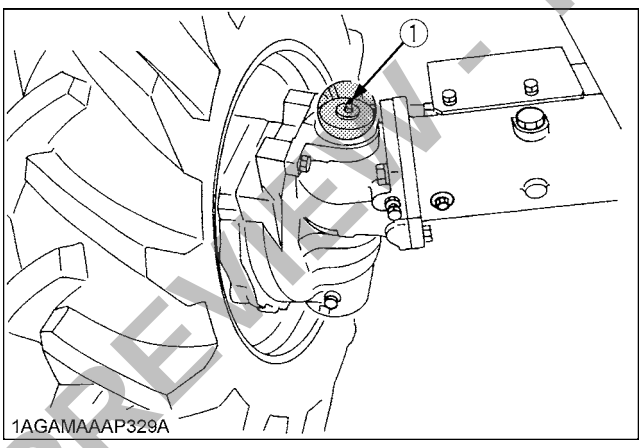
Apply a small amount of multipurpose grease to the following points every 50 hours:
If you operated the machine in extremely wet and muddy conditions, lubricate grease fittings more often.

[2WD]



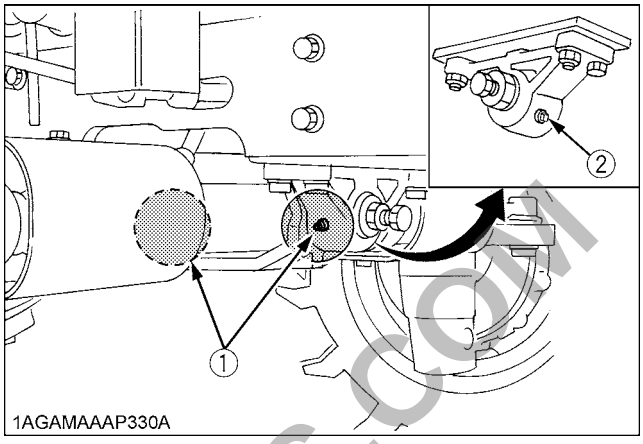
(1) Grease fitting (Knuckle shaft)[RH, LH]

[L4240, L4740, L5040, L5240, L5740]

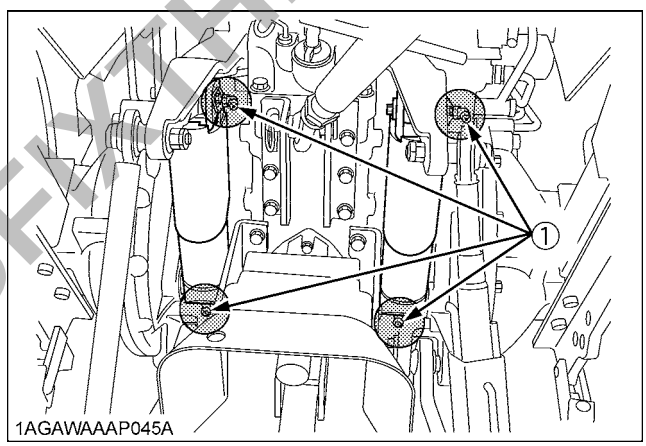


(1) Grease fitting (Front wheel case support)[RH, LH]

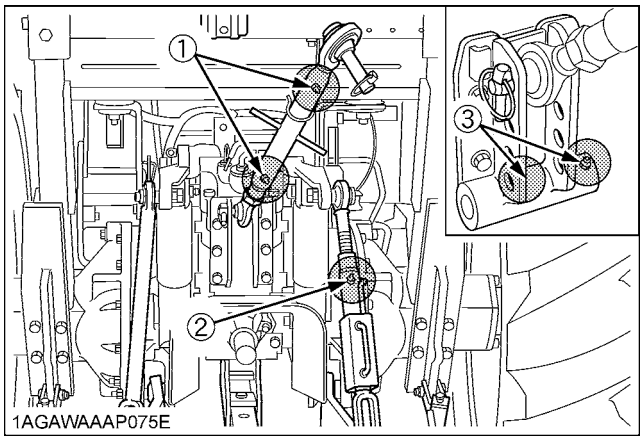
When apply a grease to forward front axle support, remove the breather plug and apply a grease until grease overflows from breather plug port.
After greasing reinstall the breather plug.



(1) Grease fitting (Front axle support)
(2) Breather plug



(1) Grease fitting (Lift cylinder)



(1) Grease fitting (Top link)
(2) Grease fitting (Lifting rod) [RH]
(3) Grease fitting (Top link bracket)

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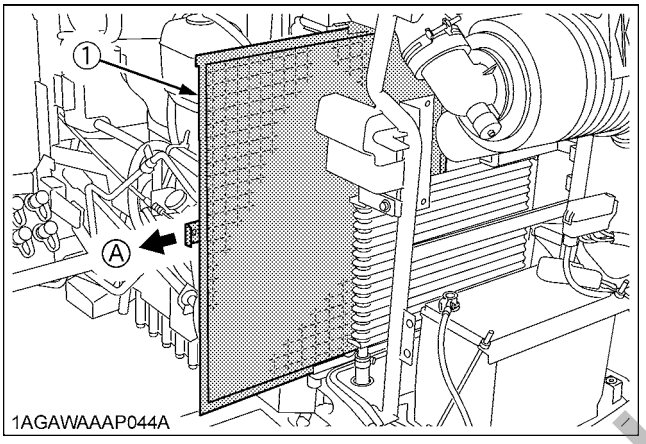
■Cleaning Grill, Radiator Screen and Oil Cooler

CAUTION

To avoid personal injury:

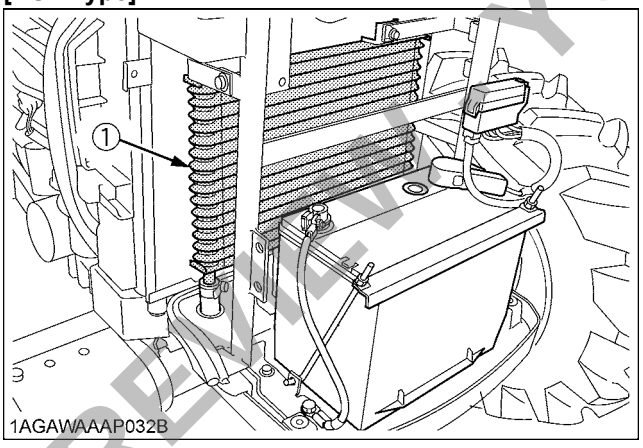
- **Be sure to stop the engine before removing the screen.**

1. Check front grill and side screens to be sure they are clean of debris.
2. Detach the screen and remove all foreign materials.



(1) Radiator screen *(A) "DETACH"*

[HST Type]



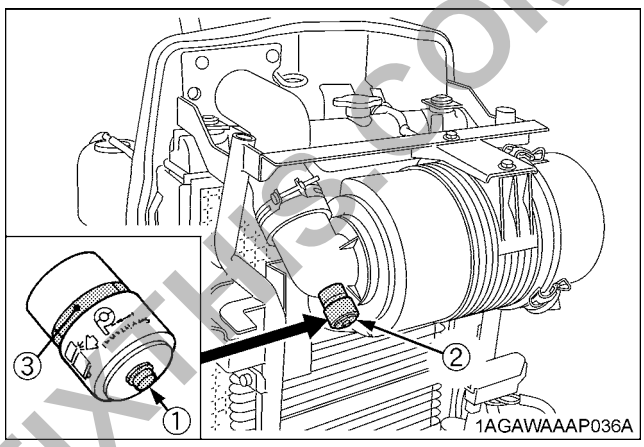
(1) Oil cooler

IMPORTANT :

- Grill and screen must be clean from debris to prevent engine from overheating and to allow good air intake for the air cleaner.

■Checking Dust Indicator

There is a dust indicator on the air cleaner body. If the red signal on the dust indicator is visible, clean the element immediately. (See "Cleaning Air Cleaner Primary Element" in "EVERY 100 HOURS" in "PERIODIC SERVICE" section.) Reset the red signal by pushing a "RESET" button after cleaning.



(1) "RESET" button
(2) Dust indicator
(3) Red signal

■Checking Brake Pedals and Clutch Pedal

WARNING

To avoid personal injury:

- **Be sure brake pedals have equal adjustment when using locked together. Incorrect or unequal brake pedal adjustment can cause the tractor to swerve or roll-over.**

1. Inspect the brake and clutch pedals for free travel, and smooth operation.
2. Adjust if incorrect measurement is found:
   (See "Adjusting Clutch Pedal" and "Adjusting Brake Pedal" in "EVERY 100 HOURS" in "PERIODIC SERVICE" section.)

■Checking Gauges, Meter and Easy Checker(TM)

1. Inspect the instrument panel for broken gauge(s), meter(s) and Easy Checker(TM).
2. Replace if broken.

■Checking Head Light, Hazard Light etc.

1. Inspect the lights for broken bulbs and lenses.
2. Replace if broken.

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WHEEL ADJUSTMENT

CAUTION

To avoid personal injury:

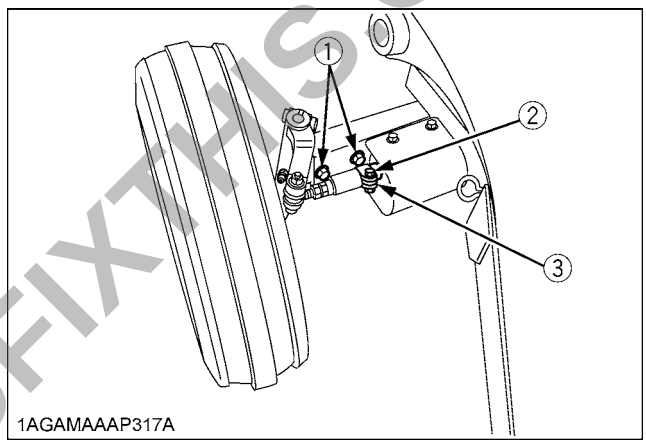
- **When working on slopes or when working with trailer, set the wheel tread as wide as practical for maximum stability.**
- **Support tractor securely on stands before removing a wheel.**
- **Do not work under any hydraulically supported devices. They can settle, suddenly leak down, or be accidentally lowered. If necessary to work under tractor or any machine elements for servicing or adjustment, securely support them with stands or suitable blocking beforehand.**
- **Never operate tractor with a loose rim, wheel, or axle.**

■Front Wheels (with two wheel drive)

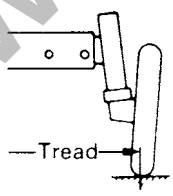
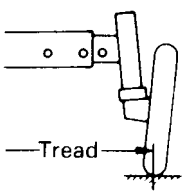
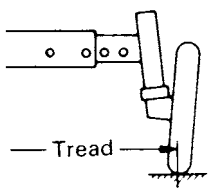
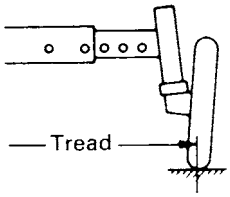
Front tread width can be adjusted as shown with the standard equipped tires.

To change the tread width

1. Remove the front axle mounting bolts and the tie-rod mounting bolts.
2. Move the front axles (right and left) to the desired position, and tighten the bolts.
3. Adjust the toe-in: [2 to 8mm (0.1 to 0.3 in.)]
   (See "Adjusting Toe-in" in "EVERY 200 HOURS" in "PERIODIC SERVICE" section.)



(1) Front axle mounting bolt
124 to 147 N-m (12.6 to 15.0 kgf-m)(91.5 to 108.4 ft-lbs)
(2) Tie-rod mounting bolt
61 to 71 N-m (6.2 to 7.2 kgf-m)(44.8 to 52.1 ft-lbs)
(3) Tie rod clamp

Models					
Farm	**L3240** 6.00-16	1210 mm (47.6 in.)	1310 mm(51.6 in.)	1410 mm (55.5 in.)	1510 mm (59.4 in.)
	L3240 7.5L-15	1280 mm (50.4 in.)	1380 mm (54.3 in.)	1480 mm(58.3 in.)	1580 mm(62.2 in.)
Turf	**L3240** 27 x 10.50-15	1310 mm (51.6 in.)	1410 mm (55.5 in.)	1510 mm(59.4 in.)	1610 mm (63.4 in.)
	L3240 29 x 12.50-15	1315 mm (51.8 in.)	1415 mm (55.7 in.)	1515 mm (59.6 in.)	1615 mm (63.6 in.)

IMPORTANT :

- The front tread width for the front loader application on 2WD models should not be greater than 1310mm (51.6 in.) for L3240.

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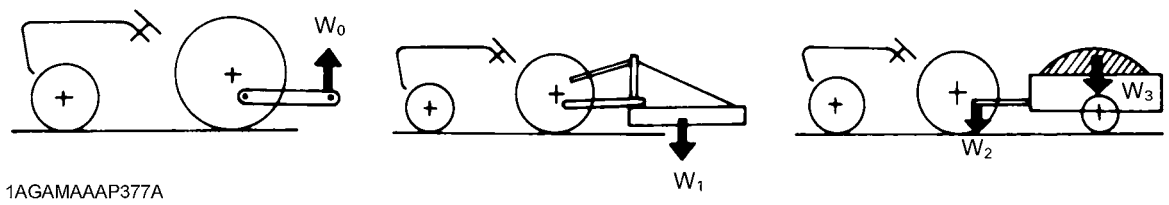
IMPLEMENT LIMITATIONS

The KUBOTA Tractor has been thoroughly tested for proper performance with implements sold or approved by KUBOTA. Use with implements which are not sold or approved by KUBOTA and which exceed the maximum specifications listed below, or which are otherwise unfit for use with the KUBOTA Tractor may result in malfunctions or failures of the tractor, damage to other property and injury to the operator or others. [Any malfunctions or failures of the tractor resulting from use with improper implements are not covered by the warranty.]

	Tread (max.width) with farm tires			Lower link end max. lifting capacity W0
	Front		Rear	
	2WD	4WD		
L3240	1610 mm (63.4 in.)	1155 mm (45.5 in.)	1480 mm (58.3 in.)	1700 kg (3750 lbs.)
L3540	---			
L3940	---		1530 mm (60.2 in.)	1750 kg (3860 lbs.)
L4240	---	1300 mm (51.2 in.)		
L4740	---			
L5040 L5240 L5740	---	1340 mm (52.8 in.)	1430 mm (56.3 in.)	

	Actual figures		
	Implement weight W1 and / or size	Max. Drawbar Load W2	Trailer loading weight W3 Max. capacity
L3240	As in the following list (Shown on the next page)	500 kg (1100 lbs.)	1500 kg (3300 lbs.)
L3540		650 kg (1430 lbs.)	2000 kg (4400 lbs.)
L3940			2500 kg (5500 lbs.)
L4240			3000 kg (6600 lbs.)
L4740			
L5040 L5240 L5740			

Lower link end max, hydraulic lifting capacity ...W0
Implement weight.....The implement's weight which can be put on the lower link: W1
Max. drawbar load.....W2
Trailer loading weight .....The max. loading weight for trailer (without trailer's weight) : W3



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NOTE :
- Implement size may vary depending on soil operating conditions.

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