⚠ SAFE OPERATION

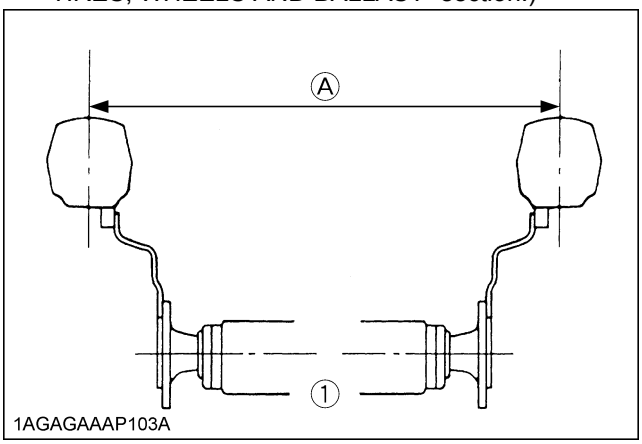
Careful operation is your best insurance against an accident.

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. Do not operate the tractor or any implement attached to it while under the influence of alcohol, medication, controlled substances or while fatigued.
4. Before allowing other people to use your tractor, explain how to operate and have them read this manual before operation.
5. 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.
6. Do not allow passengers to ride on any part of the tractor at anytime. The operator must remain in the tractor seat during operation.
7. 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.)
8. Keep your tractor clean. Dirt, grease, and trash build up may contribute to fires and lead to personal injury.
9. Use only implements meeting the specifications listed under "IMPLEMENT LIMITATIONS" in this manual or implements approved by KUBOTA.
10. 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.
11. The narrower the tread, the greater the risk of a tractor upset. For maximum stability, adjust the wheels to the widest practical tread width for your application. (See "TIRES, WHEELS AND BALLAST" section.)



(1) Rear wheels *(A) Tread Width*

12. Do not modify the tractor. Unauthorized modification may affect the function of the tractor, which may result in personal injury.

◆ **CAB, ROPS**

1. 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. Check for overhead clearance which may interfere with a CAB or ROPS.
2. If the CAB or ROPS is loosened or removed for any reason, make sure that all parts are reinstalled correctly before operating the tractor.
3. Never modify or repair any structural member of a CAB or ROPS because welding, bending, drilling, grinding, or cutting may weaken the structure.
4. A damaged CAB or ROPS structure must be replaced, not repaired or revised.
5. If any structural member of the CAB or ROPS is damaged, replace the entire structure at your local KUBOTA Dealer.
6. 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.

(1) Part No. 3S205-9836-1

⚠WARNING

TO AVOID PERSONAL INJURY OR DEATH:

1. Read and understand the operator's manual before operation.
2. Before starting the engine, make sure that everyone is at a safe distance from tractor and the PTO is off.
3. Do not allow passengers on the tractor at any time.
4. Before allowing other people to use the tractor, have them read the operator's manual.
5. Check the tightness of nuts and bolts regularly.
6. Keep all shields in place and stay away from all moving parts.
7. Lock the two brake pedals together before driving on the road.
8. Slow down for turns, or rough roads, or when applying individual brakes.
9. On public roads use SMV emblem and hazard lights, if required by local traffic and safety regulations.
10. Pull only from the drawbar.
11. Before dismounting, lower the implement to the ground, set the parking brake, stop the engine and remove the key.
12. Securely support tractor and implements before working underneath.

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(2) Part No. 3S565-9855-2 [Front suspension type]

⚠WARNING

TO AVOID PERSONAL INJURY OR DEATH.

Before operating the switches for the front suspension, make sure the area near the machine is clear of all persons and objects.

1AGBEAAAP064A

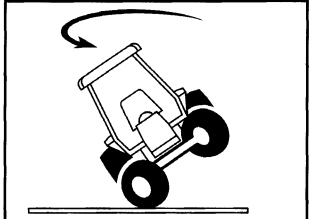
(3) Part No. 3Y205-9833-1

⚠ WARNING

TO AVOID MACHINE RUNAWAY DUE TO 4WD BRAKING SYSTEM:

Do not run engine with only rear wheels off ground.

⚠ WARNING



TO AVOID PERSONAL INJURY:

Use "Bi-Speed Turn" only in low gears and slow speed. Do not use "Bi-Speed Turn" in high gears or road speed.

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(4) Part No. 3S205-4966-1

⚠ WARNING

USE [UP-DOWN] ONLY ON FARM FIELDS. FOR ALL OTHER APPLICATIONS, USE HYDRAULIC LEVER TO MOVE ATTACHMENT.

1AGBEAAAP060A

(5) Part No. 3S565-9859-1 [Front suspension type]

⚠WARNING

TO AVOID PERSONAL INJURY OR DEAHT:

Servicing of front suspension hydraulic system should be performed only by authorized Kubota dealer.

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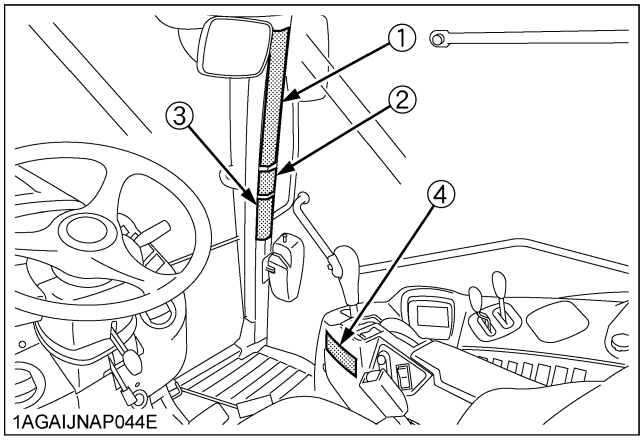

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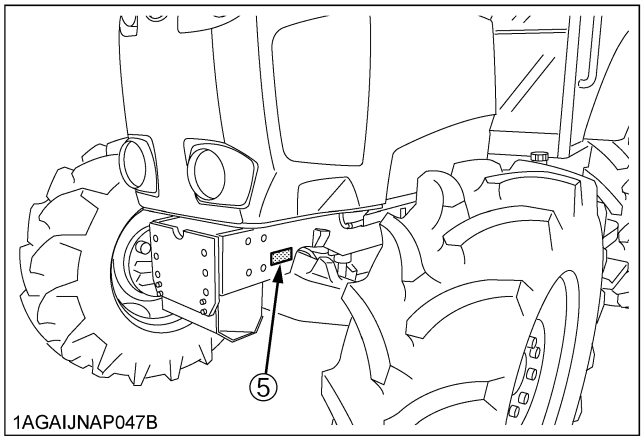

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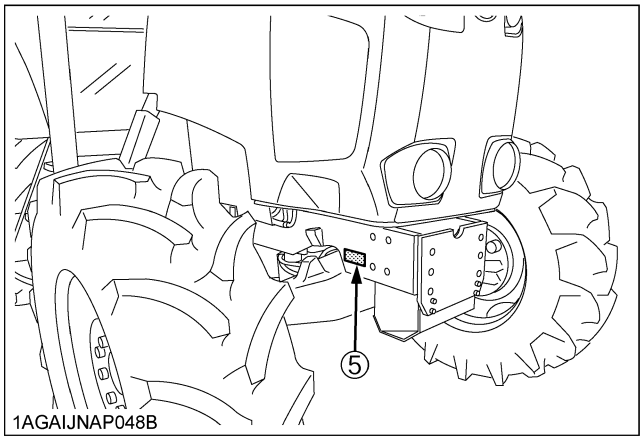

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SPECIFICATIONS

SPECIFICATION TABLE

Model				M6-101	M6-111	M6-131	M6-141
				4WD			
Engine	Model			V3800-TIEF4		V6108-TIEF4	
	Type			Direct Injection, Water-cooled 4 Cycle Diesel, Common Rail System, Turbocharger, Intercooler			
	Number of cylinders			4			
	Total displacement		cm^3 (cu.in.)	3769 (230)		6124 (374)	
	Bore and stroke		mm (in.)	100 x 120 (3.94 x 4.72)		118 x 140 (4.65 x 5.51)	
	Rated revolution		rpm	2600		2200	
	Low idling revolution		rpm	800 to 850			
	Net power *1		kW (HP)	74.6 (100)	81.7 (109.5)	93.2 (125)	100.7 (135)
	PTO power *1 (factory observed)		kW (HP) / rpm	61.1 (82) / 2600	68.6 (92) / 2600	77.6 (104) / 2200	85.0 (114) / 2200
	Battery capacity			12V, 100Ah at 20hours, 900CCA		12V, 160Ah at 20hours, 1090CCA	
	Fuel tank capacity		L (U.S.gals.)	190 (50.2)			
	Engine oil capacity		L (U.S.qts.)	10.5 (11.1)		14.6 (15.4)	
	Coolant capacity		L (U.S.qts.)	10.1 (10.7)		14.6 (15.4)	
	DEF/AdBlue® capacity		L (U.S.gals.)	16 (4.2)			
Dimensions	Overall length		mm (in.)	4200 (165.4)		4360 (171.7) <4350 (171.3)>	
	Overall width (minimum tread)		mm (in.)	2100 (82.7)		2180 (85.8)	
	Overall height		mm (in.)	2790 (109.8)	2840 (111.8)	2875 (113.2)	
	Wheel base		mm (in.)	2435 (95.9)		2690 (105.9) <2680 (105.5)>	
	Tread	Front	mm (in.)	1580 (62.2), 1680 (66.1)		1775 (69.9), 1875 (73.8)	
		Rear	mm (in.)	1520 (59.8) to 2060 (81.1)	1530 (60.2) to 2040 (80.3)	1590 (62.6) to 2090 (82.3)	
	Crop clearance		mm (in.)	370 (14.5)	425 (16.7)	450 (17.7)	
Weight			kg (lbs.)	4355 (9601)	4440 (9789)	4965 (10946) <5165 (11387)>	
Traveling system	Standard tire size	Front tires		12.4R24	13.6R24	14.9R24	
		Rear tires		18.4R30	18.4R34	18.4R38	
	Clutch			Multiple wet disc, Electronic Hydraulically operated			
	Steering			Hydrostatic Power Steering			
	Braking system			Hydraulically operated wet disk			
	Differential			Bevel gears with differential lock (Front, Rear)			

■Tips on Diesel Particulate Filter (DPF) Regeneration

- **Operation**
  The higher in speed or load the engine operates, the higher the exhaust temperature rises. As a result, particulate matter (PM) inside the DPF is consumed, therefore the regeneration process is required less frequently over time.
  The lower in speed or load the engine operates, the lower the exhaust temperature. Accordingly, less particulate matter (PM) inside the DPF is consumed, therefore more accumulation of PM will occur, which requires frequent regeneration, therefore avoid prolonged idling if possible.

- **Necessary conditions for "Regeneration"**
  When conditions below are all satisfied, regeneration will start. However, if even one condition is deviated during the process, the regeneration will be interrupted.
  (1) The engine coolant temperature.
  (2) The DPF temperature.
  (3) The engine speed is 1200 rpm or higher.

- Usually it takes 15-20 minutes to complete the regeneration cycle.
  Actual regeneration time may depend on ambient temperature, exhaust temperature and engine speed.

- It is recommended to do the regenerating while the engine is warm.

- Do not unnecessarily start and interrupt the regeneration process. Otherwise, a small amount of fuel becomes mixed with the engine oil, which degrades the oil quality.

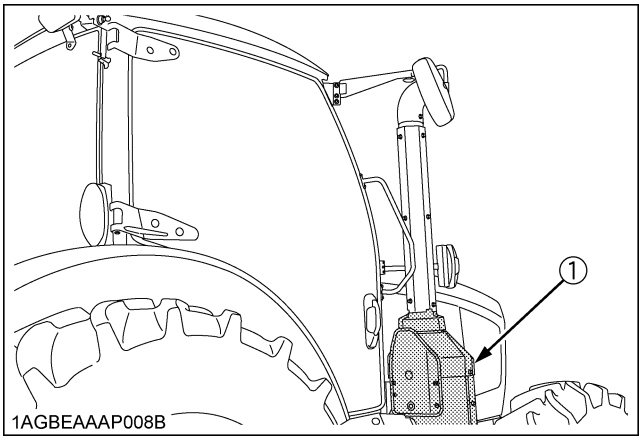
- While the DPF is being regenerated, the engine air flow rate is automatically limited to keep up the exhaust temperature. Because of this the engine may sound differently, this is normal for this engine.

- Just after the regeneration has ended, the DPF muffler remains hot. It is advisable to keep the engine running for about 5 minutes to allow cooling of the exhaust components.

SELECTIVE CATALYTIC REDUCTION (SCR) MUFFLER

■Outline of the SCR

The injector jets urea aqueous solution (DEF/AdBlue®) into the muffler, and the solution is hydrolyzed with the heat of exhaust gas to generate ammonia (NH3).
The ammonia generated thus is mixed with exhaust gas by the SCR muffler. In this way, nitrogen oxides (NOx) contained in exhaust gases are reduced by ammonia and decomposed into nitrogen and water vapor.



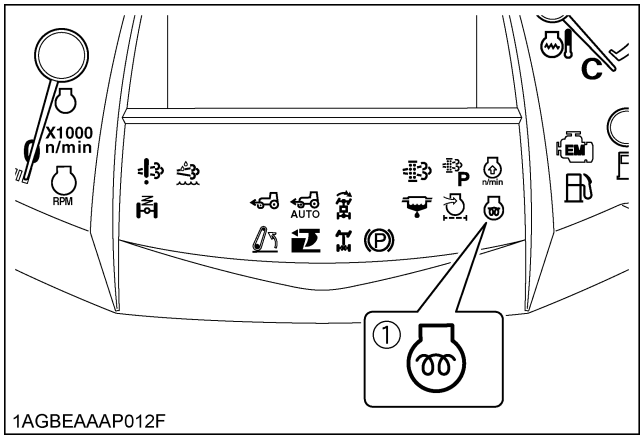
(1) SCR muffler

COLD WEATHER STARTING

If the ambient temperature is below 0 ℃ (32 ℉) and the engine is very cold, follow the procedure below after taking the step 1 through 8 in the previous pages.

9. Turn the key to "ON" position and hold it until the heater indicator turns off.

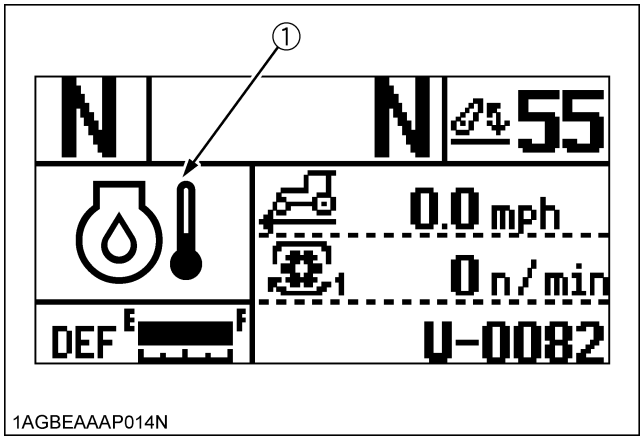
Heater indicator comes on when the key is turned to "ON" position and engine coolant temperature is below 0 ℃ (32 ℉), and goes off automatically when preheat is completed.



(1) Heater indicator

NOTE :

- During a cold start, the low temperature regulation indicator will appear on the LCD and the buzzer may sound once every 2 seconds. In this case, the engine speed will be limited to about 60%. If the operation is continued, the engine speed limit will gradually and automatically increase until the rotational speed will match the Foot throttle (or Hand throttle) strength.



(1) Low temperature regulation indicator

10. Turn the key to the start position and the engine should start.

(If the engine fails to start after 10 seconds, turn off the key for 30 seconds. Then repeat steps 9 and 10. To protect the battery and the starter, make sure that the starter is not continuously turned for more than 10 seconds.)

NOTE :

- DEF/AdBlue® freezes at temperatures below -11 ℃ (12 ℉). Even if it is frozen, the engine is not affected at its start-up and running.

■Block Heater (if equipped)

A block heater is available as an option from your dealer. It will assist you in starting your tractor when the ambient temperature is below -20 ℃ (-4 ℉).

STOPPING THE ENGINE

1. After slowing the engine to idle, wait 3 to 5 minutes for turbo to slow down and then turn the key to "OFF".

2. Remove the key.

IMPORTANT :

- When the engine is stopped-shutdown, DEF/AdBlue® flow is reversed in the DEF/AdBlue® lines and related piping and returned back into the DEF/AdBlue® tank after cooling the DEF/AdBlue® injector.
  The SCR system continues working several minutes after engine shutdown to complete this purge process.
- Do not turn the machine main battery power off to the engine until the DEF/AdBlue® return cycle purge process is completed. Turning off the main battery power to the engine and aftertreatment system prior to completion may damage the system or cause it to malfunction.

NOTE :

- If key does not stop the engine, consult your local KUBOTA Dealer.

Air cleaner

If the air cleaner is clogged, the warning lamp in the Easy Checker(TM) will come on.

If this should happen during operation, clean the air cleaner element.

(See "Cleaning Air Cleaner Primary Element" in "EVERY 100 HOURS" in "PERIODIC SERVICE" section.)

Emission indicator

If this indicator lights up, take the steps to lower the water temperature. This helps keep the emission clean.

Electrical charge

If the alternator is not charging the battery, the Easy Checker(TM) will come on.

If this should happen during operation, check the electrical charging system or consult your local KUBOTA Dealer.

Master system warning

If trouble should occur at the engine, transmission, hydraulic or other control parts, the indicator flashes as a warning. If the trouble is not corrected by restarting the tractor, consult your local KUBOTA Dealer.

NOTE :

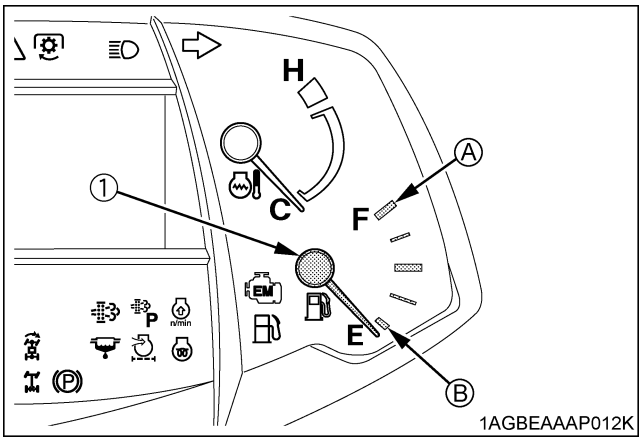
- For checking and servicing of your tractor, consult your local KUBOTA Dealer for instructions.

■Fuel Gauge

A needle indicates the amount of fuel left regardless of the key position.

Be careful not to empty the fuel tank. Otherwise air may enter the fuel system.

Should this happen, the system should be bled. (See "Bleeding Fuel System" in "SERVICE AS REQUIRED" in "PERIODIC SERVICE" section.)



(1) Fuel gauge
(A) "FULL"
(B) "EMPTY"

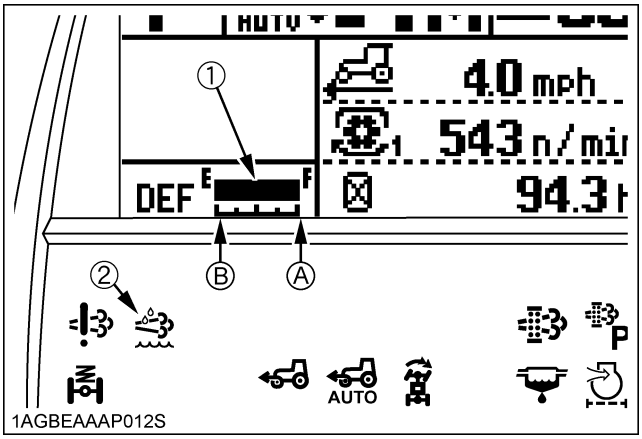
■DEF / AdBlue® Gauge

The DEF/AdBlue® level in the DEF/AdBlue® tank is indicated with LCD blocks.

If DEF/AdBlue® level drops too low, the engine output is restricted. With this in mind, be careful not to empty the tank.

When the fluid level in the tank has dropped below 15%, the DEF/AdBlue® warning indicator on the instrument panel lights up and stays on.

Immediately add DEF/AdBlue® to the specified level.

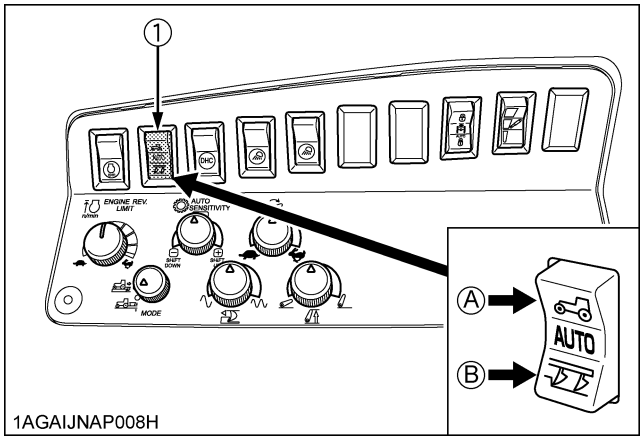


(1) DEF/AdBlue® gauge
(2) DEF/AdBlue® warning indicator
(A) "FULL"
(B) "EMPTY"

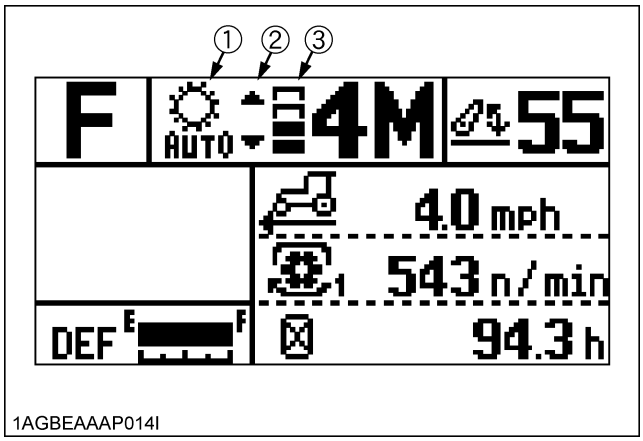
■Operation

1. Press the Auto-Mode switch to select "Travel mode" or "Field mode" according to your applications. Once selected, the Auto-Mode indicator on the meter panel lights up.
   When the switch is moved to the middle position "OFF", the mode indicator goes out.

Travel mode:	For pulling trailers and other hauling operations.
Field mode:	For plowing, subsoiling and other tilling operations, or for harvesters and other PTO-driven implements.

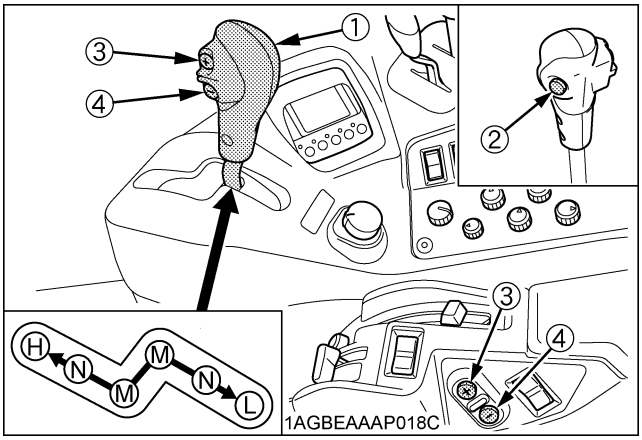


(1) Auto-Mode switch
(A) "Travel mode"
(B) "Field mode"



(1) Auto-Mode indicator
(2) Shift-up/shift-down indicator
(3) Auto-shift bar indicator

2. Use the up-shift/down-shift button on the power shift / range shift lever or on the armrest to select a field speed.
   The selected speed can be checked in the selected-speed display of the meter panel.



(1) Power shift / Range shift lever
(2) Clutch button
(3) Up-shift button (+)
(4) Down-shift button (-)

3. Now the setting is completed.

PTO

PTO OPERATION

WARNING

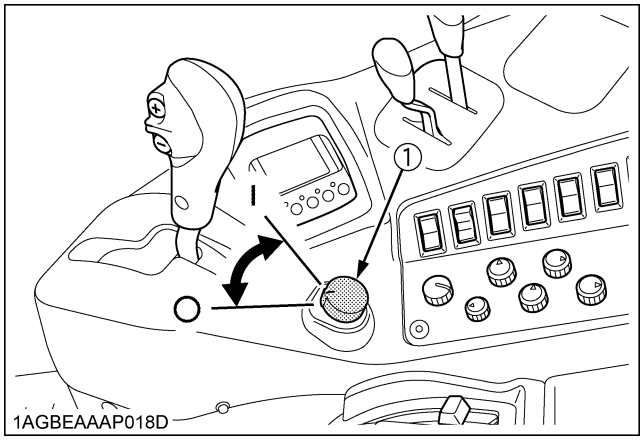
To avoid personal injury or death:

- **Disengage PTO, stop engine, and allow all rotating components to come to a complete stop before connecting, disconnecting, adjusting, or cleaning any PTO driven equipment.**

■PTO Clutch Control Switch

1. The tractor has a 540 rpm speed position and 6-spline shaft.
2. The PTO clutch control switch engages or disengages the PTO clutch which gives the PTO independent control.

Turn the switch to "ON" to engage the PTO clutch. Turn the switch to "OFF" to disengage the PTO clutch.

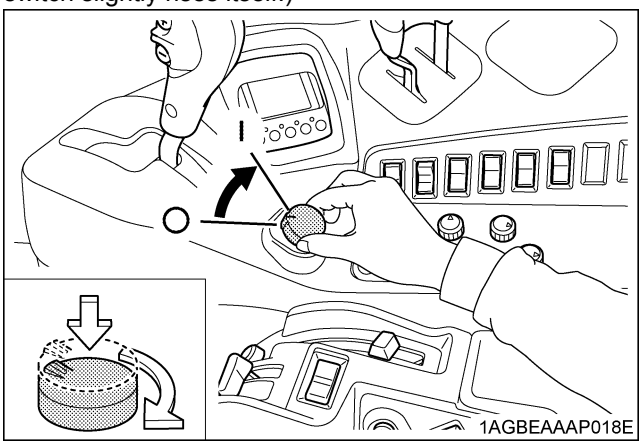


(1) PTO clutch control switch | "ON" ○ "OFF"

◆ **PTO Clutch Control Switch**

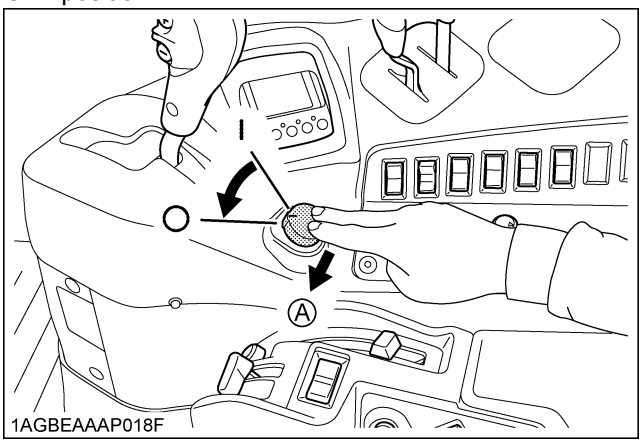
To turn ON

While pushing the switch, turn clockwise to the " | " position and release your hand. (In the ON position, switch slightly rises itself.)



To Turn OFF

Tap on top of the switch, and the switch will return to the OFF position.



(A) "PUSH"

IMPORTANT :

- To avoid shock loads to the PTO, reduce engine speed when engaging the PTO, then open the throttle to the recommended speed.

NOTE :

- Tractor engine will not start if PTO clutch control switch is in the engaged "ON" position.
- If the PTO system is engaged and you stand up from the seat, the warning buzzer will whistle for about 10 seconds after standing up.
  This is because the tractor is equipped with "Operator Presence Control System".

HYDRAULIC UNIT

The standard tractor has following hydraulic control systems as shown below. Therefore, use the most appropriate system for the implement you are using.

◆ **3-Point Hitch Control System**
1. Position Control
2. Mixed Draft Control

◆ **Remote Hydraulic Control System**

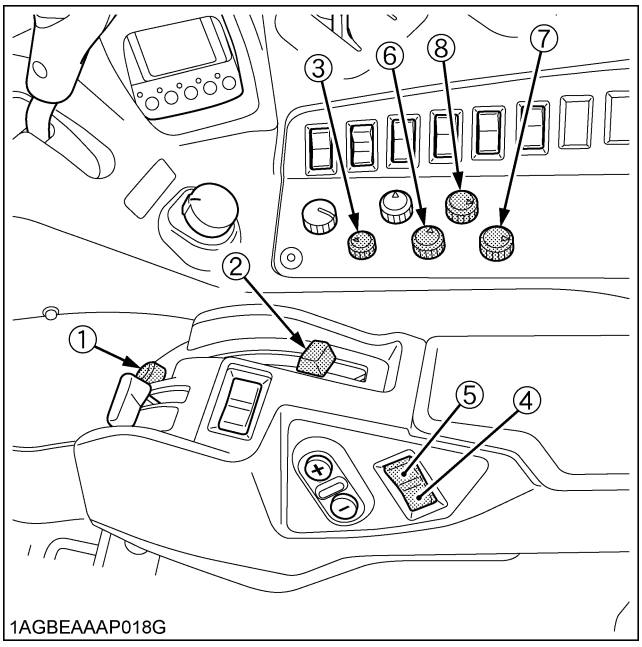
IMPORTANT :
- Do not operate until the engine is warmed up. If operation is attempted when the engine is still cold, the hydraulic system may be damaged.
- If noises are heard when implement is lifting after the hydraulic control lever has been activated, the hydraulic mechanism is not adjusted properly. Unless corrected, the unit will be damaged. Contact your KUBOTA Dealer for adjustment.

3-POINT HITCH CONTROL SYSTEM

WARNING

To avoid personal injury or death:
- **Before using the 3-point hitch controls, ensure that no person or object is in the area of the implement or 3-point hitch. Do not stand on or near the implement or between the implement and tractor when operating the 3-point hitch controls.**

■Terminology



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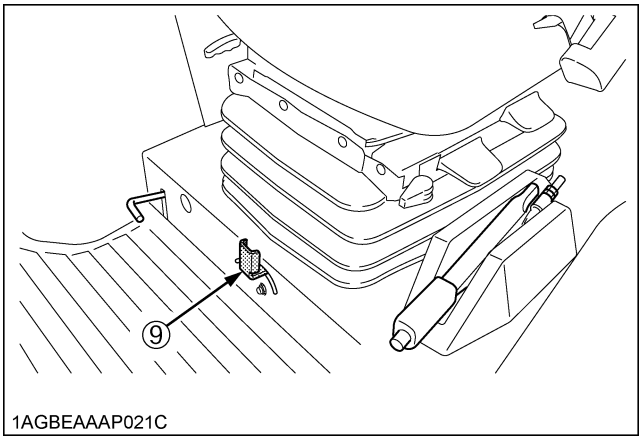

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(1) Bottom limit control dial
(2) Hydraulic control lever
(3) Mode selector switch
(4) 3-P. Quick lower switch
(5) 3-P. Quick raise switch
(6) Draft ratio adjustment dial
(7) Lift arm top limit adjustment dial
(8) 3-point hitch lowering speed adjustment dial
(9) 3-point hitch lowering lock lever

WHEEL ADJUSTMENT

WARNING

To avoid personal injury or death:

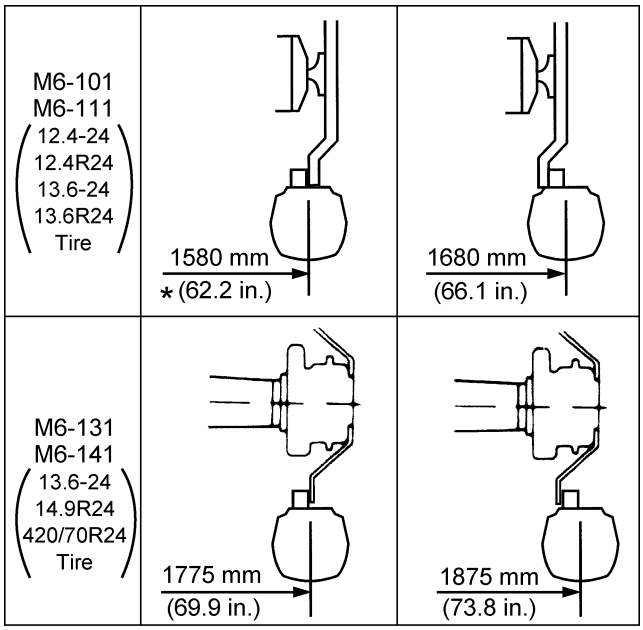
- **When working on slopes or when working with trailer, set the wheel tread as wide as practical for maximum stability.**
- **Support tractor securely on stands before removing a wheel.**
- **Do not work under any hydraulically supported devices. They can settle, suddenly leak down, or be accidentally 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 4-wheel drive)

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

To change the tread width

1. Remove the wheel rim and disk mounting bolts.
2. Change the position of the rim and tire 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.



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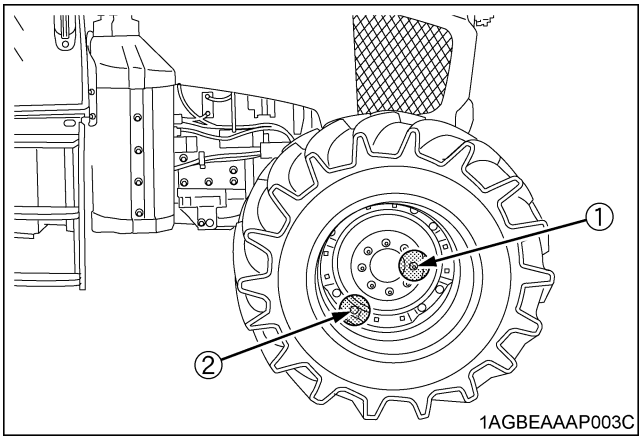
*: Need to limit turning angle at 1580 mm (62.2 in.) width setting to 42 degrees. Refer to the chart provided for additional instructions.

IMPORTANT :

- Always attach wheels as shown in the drawing.
- If not attached as illustrated, transmission parts may be damaged.
- When re-fitting or adjusting a wheel, tighten the bolts to the following torques then recheck after driving the tractor 200m (200 yards) and 10 times of shuttle movement by 5 m (5 yards), and thereafter according to service interval. (See "MAINTENANCE" section.)



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(1) 260 to 304 N-m (26.5 to 31 kgf-m) (192 to 224 ft-lbs)
(2) [Waffle wheel]
298 to 366 N-m (30.4 to 37.3 kgf-m) (220 to 270 ft-lbs)

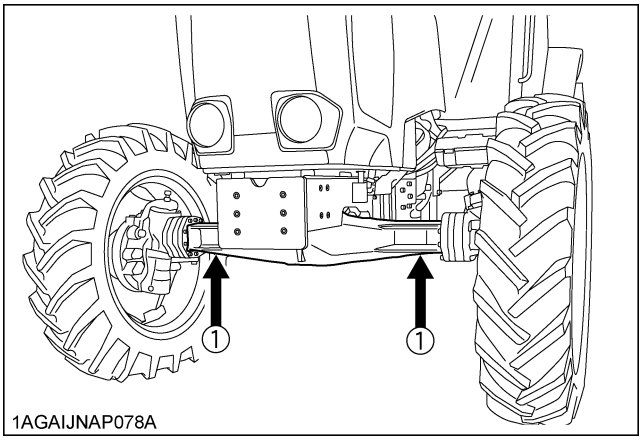
NOTE :

- Wheels with beveled or tapered holes: Use the tapered side of lug nut.

WARNING

To avoid personal injury or death:

- **Before jacking up the tractor, park it on a firm and level ground and chock the rear wheels.**
- **Fix the front axle to keep it from pivoting.**
- **Select jacks that withstand the machine weight and set them up as shown below.**



1AGAIJNAP078A

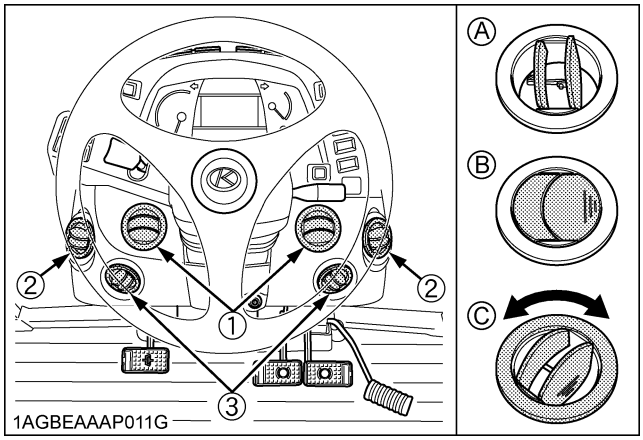
(1) Jack points

IMPORTANT :
- Do not pour water directly into the fresh air port while washing the vehicle.

■Air Control Vent

◆ Dashboard air outlet

The dashboard air outlets can be independently adjusted as required.

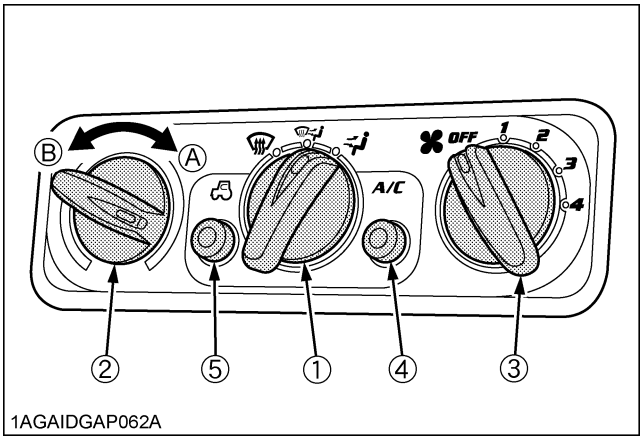


(1) Face area air outlets
(2) Back area air outlets
(3) Feet area air outlets
(A) "OPEN"
(B) "SHUT"
(C) "TURN"

⚠ CAUTION

To avoid personal injury;
- **Replace the water hoses every 4 years.**
- **Daily inspection**
  Have the tractor repaired immediately if any of the following defects are discovered.
  (Such defects may cause burns or injury. They may also cause engine seizure or other serious failure.)
  - **Scratches, cracks or swelling in water hoses.**
  - **Water leakage at water hose joints.**
  - **Missing or damaged water hose protective wrap or grommets.**
  - **Loose mounting bolts, damaged brackets.**
- **Do not touch the water hoses and the heater with your hand. You may get burned.**
- **If the window fails to defrost in extreme conditions or becomes cloudy when dehumidifying the CAB, wipe off moisture with a soft cloth.**
- **Do not block all the air outlets of the air conditioner. A problem could occur.**

■Control Panel



(1) Mode switch
(2) Temperature control dial
(3) Blower switch
(4) Air conditioner switch with indicator light
(5) Recirculation / fresh air selection switch with indicator light
(A) "WARM"
(B) "COOL"

◆ Mode switch

Set the mode switch to the desired position.

- Air is blown from only the dashboard air outlets.
- Air is blown from the dashboard and defroster air outlets.
- Air is blown from only the defroster air outlet.

◆ Temperature Control Dial

Set this dial at the desired position to obtain the optimum air temperature. Turn the dial in the "WARM" direction to obtain warmer air. Turn it in the "COOL" direction to obtain cooler air.

◆ Blower Switch

Air volume can be changed in 4 steps. At the "4" position, the largest air volume is obtained.

◆ Air Conditioner Switch

Push this switch to activate the air conditioner. An indicator light will light up when the switch is set to "ON". Push the switch again to turn the air conditioner off, in which case the indicator light will be off.

LUBRICANTS, FUEL AND COOLANT

<table>
<tr><th rowspan="2">No.</th><th rowspan="2">Locations</th><th colspan="4">Capacities</th><th rowspan="2" colspan="2">Lubricants</th></tr>
<tr><th>M6-101</th><th>M6-111</th><th>M6-131</th><th>M6-141</th></tr>
<tr><td>1</td><td>Fuel</td><td colspan="4">190 L
(50.2 U.S.gals.)</td><td colspan="2">No.2-D S15 diesel fuel
No.1-D S15 diesel fuel if temperature is below -10℃ (14℉)</td></tr>
<tr><td>2</td><td>DEF/AdBlue®</td><td colspan="4">16 L
(4.2 U.S.gals.)</td><td colspan="2"></td></tr>
<tr><td>3</td><td>Coolant</td><td colspan="2">11.5 L (12.2 U.S.qts.)
(Recovery tank:
1.5 L (1.6 U.S.qts.))</td><td colspan="2">15.9 L (16.8 U.S.qts.)
(Recovery tank:
1.5 L (1.6 U.S.qts.))</td><td colspan="2">Fresh clean soft water with anti-freeze</td></tr>
<tr><td>4</td><td>Washer liquid</td><td colspan="4">2 L (2.1 U.S.qts.)</td><td colspan="2">Automobile washer liquid</td></tr>
<tr><td rowspan="4">5</td><td rowspan="4">Engine crankcase
(with filter)</td><td colspan="2" rowspan="4">10.5 L
(11.1 U.S.qts.)</td><td colspan="2" rowspan="4">14.6 L
(15.4 U.S.qts.)</td><td>• Engine oil:
API Service Classification</td><td>CJ-4
[DPF type engine]</td></tr>
<tr><td>Above 25℃ (77℉)</td><td>SAE30,
SAE10W-30 or 15W-40</td></tr>
<tr><td>-10 to 25℃ (14 to 77℉)</td><td>SAE10W-30 or 15W-40</td></tr>
<tr><td>Below -10℃ (14℉)</td><td>SAE10W-30</td></tr>
<tr><td>6</td><td>Transmission case</td><td colspan="4">65 L (68.7 U.S.qts.)</td><td colspan="2">• KUBOTA SUPER UDT2 fluid*</td></tr>
<tr><td>7</td><td>Front differential
case oil</td><td colspan="2">7 L
(7.4 U.S.qts.)</td><td colspan="2">13 L
(13.7 U.S.qts.)</td><td colspan="2" rowspan="2">• KUBOTA SUPER UDT2 fluid* or SAE 80 - SAE 90 gear oil</td></tr>
<tr><td>8</td><td>Front axle gear
case oil</td><td colspan="2">3.5 L
(3.7 U.S.qts.)</td><td colspan="2">4.5 L
(4.8 U.S.qts.)</td></tr>
<tr><td rowspan="9">9</td><td>Greasing</td><td colspan="4">No. of greasing points</td><td>Capacity</td><td>Type of grease</td></tr>
<tr><td>Top link</td><td colspan="4">2</td><td rowspan="6">Until grease overflows.</td><td rowspan="7">Multipurpose Grease
NLGI-2 OR
NLGI-1(GC-LB)</td></tr>
<tr><td>Lift rod</td><td colspan="4">2</td></tr>
<tr><td>Front axle gear
case support</td><td colspan="4">2</td></tr>
<tr><td>Front axle support</td><td colspan="4">2</td></tr>
<tr><td>Hydraulic lift
cylinder pin</td><td colspan="4">4</td></tr>
<tr><td>Hydraulic arm axle</td><td colspan="4">1</td></tr>
<tr><td>Battery terminal</td><td colspan="4">2</td><td>A small amount</td></tr>
</table>

[Front suspension type]

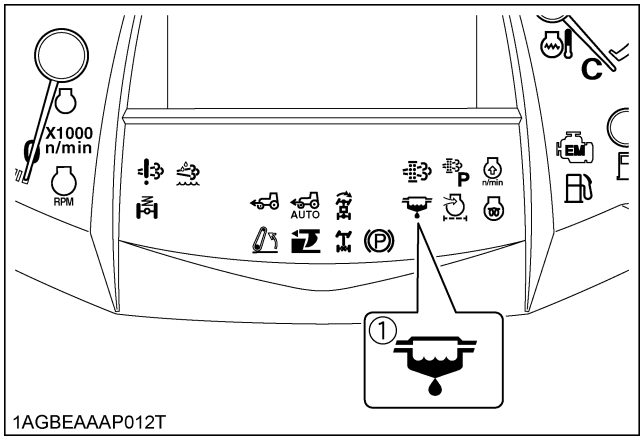
<table>
<tr><td rowspan="4">8</td><td>Greasing</td><td colspan="2">No. of greasing points</td><td>Capacity</td><td>Type of grease</td></tr>
<tr><td>Suspension
cylinder</td><td colspan="2">2</td><td rowspan="3">Until grease overflows.</td><td rowspan="3">Multipurpose Grease
NLGI-2 OR
NLGI-1(GC-LB)</td></tr>
<tr><td>Suspension arm</td><td colspan="2">2</td></tr>
<tr><td>Universal joint</td><td colspan="2">4</td></tr>
</table>

NOTE :

The product name of KUBOTA genuine UDT fluid may be different from that in the Operator's Manual depending on countries or territories. Consult your local KUBOTA Dealer for further details.

■Checking Water Separator

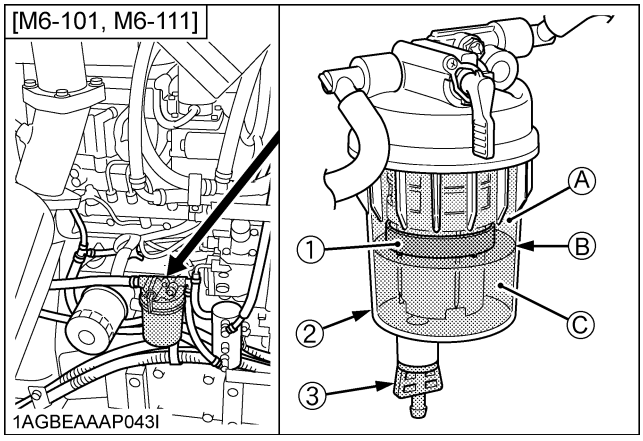
1. When the water has collected upper limit in the water separator, the water separator indicator on the instrument panel lights up and warning buzzer sounding.



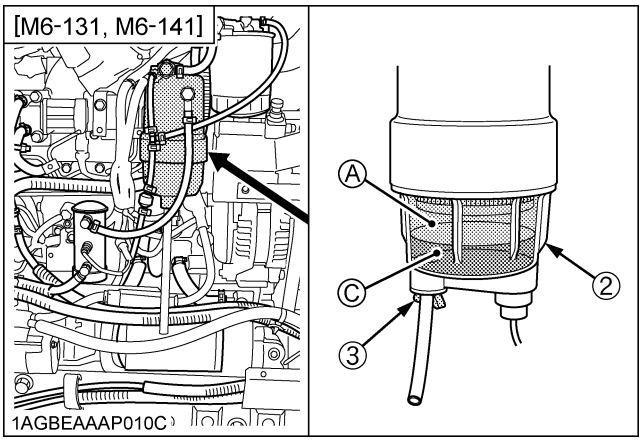
(1) Water separator indicator

2. In such case, loosen the drain plug by several turns.
3. Allow water to drain. When no more water comes out and fuel starts to flow out, retighten the drain plug.
4. Bleed the fuel system.
   (See "SERVICE AS REQUIRED" in "PERIODIC SERVICE" section.)

[M6-101, M6-111]



[M6-131, M6-141]



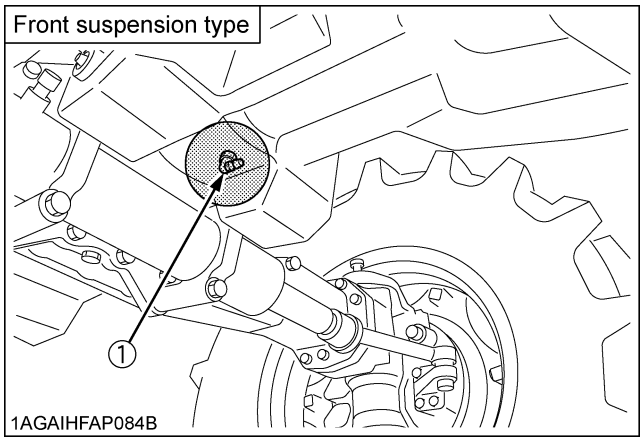
(1) Red float
(2) Cup
(3) Drain plug
(A) "FUEL"
(B) "UPPER LIMIT"
(C) "WATER"

NOTE :

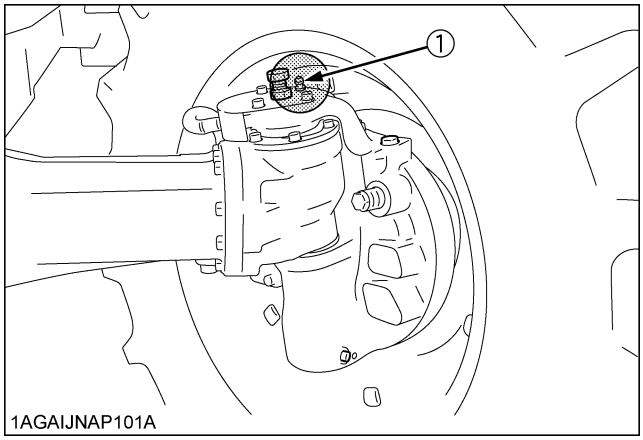
- **[M6-101, M6-111]**
  When the red float reaches near the upper limit level, start from step 2 in the above procedure to drain water in the water separator.

IMPORTANT :

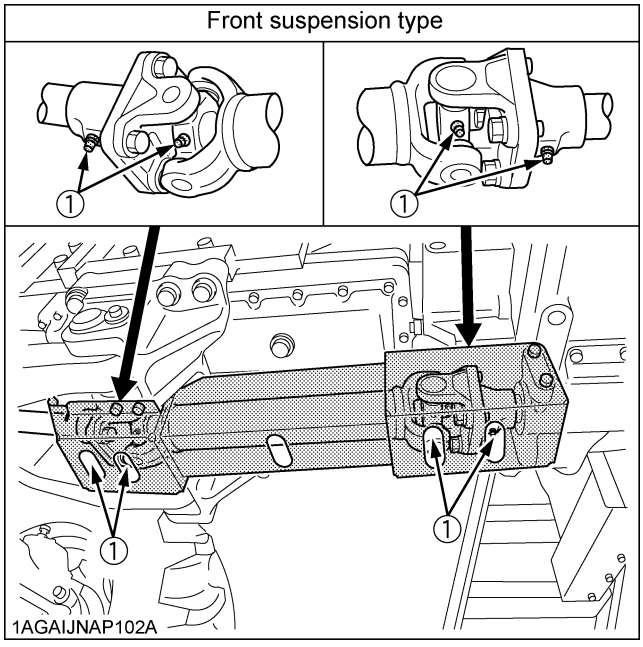
- If water is drawn through to the fuel pump, extensive damage will occur.



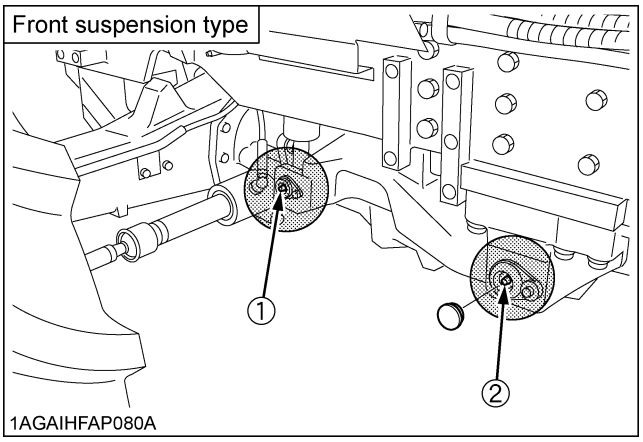
(1) Grease fitting (Front axle support)



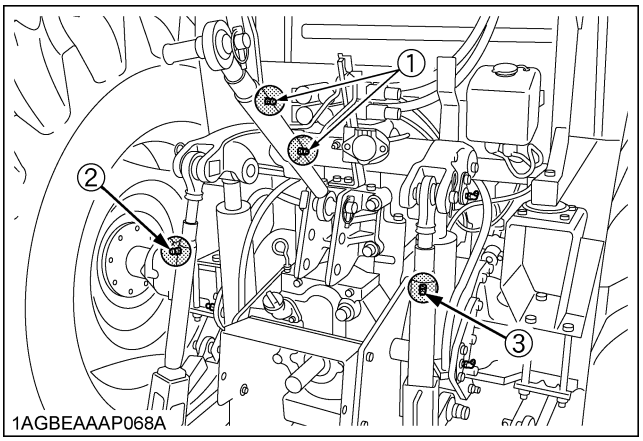
(1) Grease fitting (Front axle gear case support) [RH, LH]



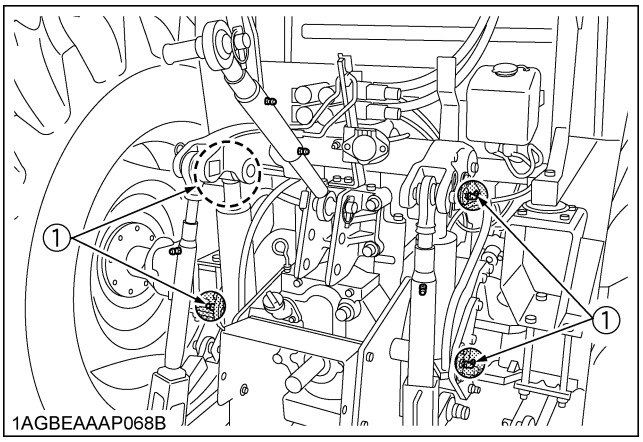
(1) Grease fitting (Universal joint)



(1) Grease fitting (Suspension cylinder) [RH, LH]
(2) Grease fitting (Suspension arm) [RH, LH]



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



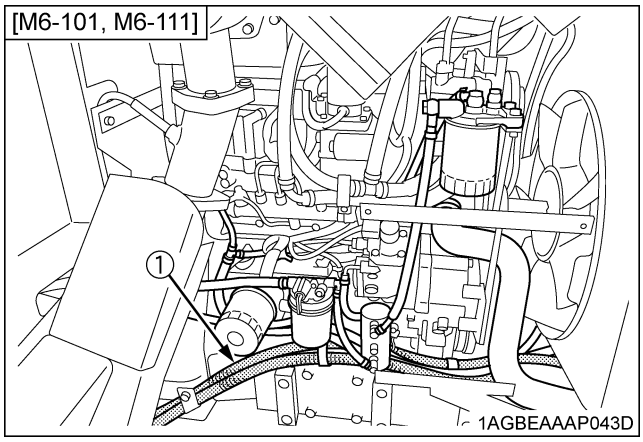
(1) Grease fitting (Hydraulic lift cylinders pin)

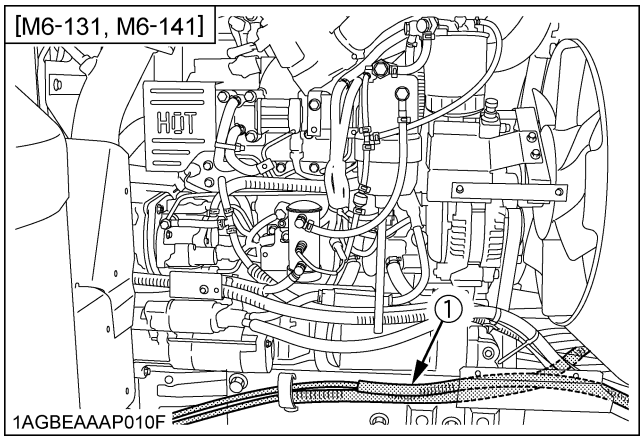
9. After running the engine for a few minutes, stop the engine and check the oil level again, add oil to the prescribed level.
10. Make sure that the transmission fluid doesn't leak pass the seal on the filter.

IMPORTANT :
- To prevent serious damage to the hydraulic system, use only a KUBOTA genuine filter.

■Checking Power Steering Line

1. Check to see that all lines and hose clamps are tight and not damaged.
2. If hoses and clamps are found worn or damaged, replace or repair them at once.





(1) Power steering pressure hoses

■Checking Radiator Hose and Clamp

Check to see if radiator hoses are properly fixed every 500 hours of operation.

1. If hose clamps are loose or water leaks, tighten bands securely.
2. Replace hoses and tighten hose clamps securely, if radiator hoses are swollen, hardened or cracked.

Replace hoses and hose clamps every 4 years or earlier if checked and found that hoses are swollen, hardened or cracked.