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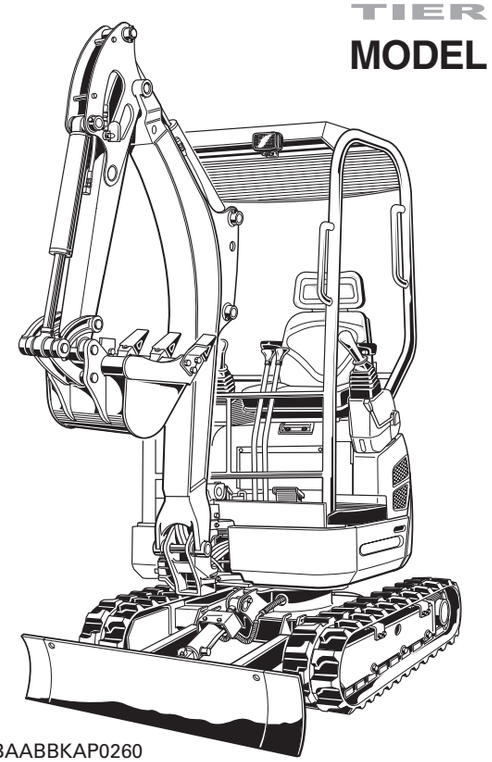
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OPERATOR'S MANUAL

KUBOTA EXCAVATOR

TIER 4

MODEL U17-3



1BAABBKAP0260

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SAFETY FIRST

This symbol, the industry's "Safety Alert Symbol", is used throughout this manual and on labels on the machine itself to warn of the possibility of personal injury. Read these instructions carefully. It is essential that you read the instructions and safety regulations before you attempt to assemble or use this unit.

DANGER : Indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury.

WARNING : Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.

CAUTION : Indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury.

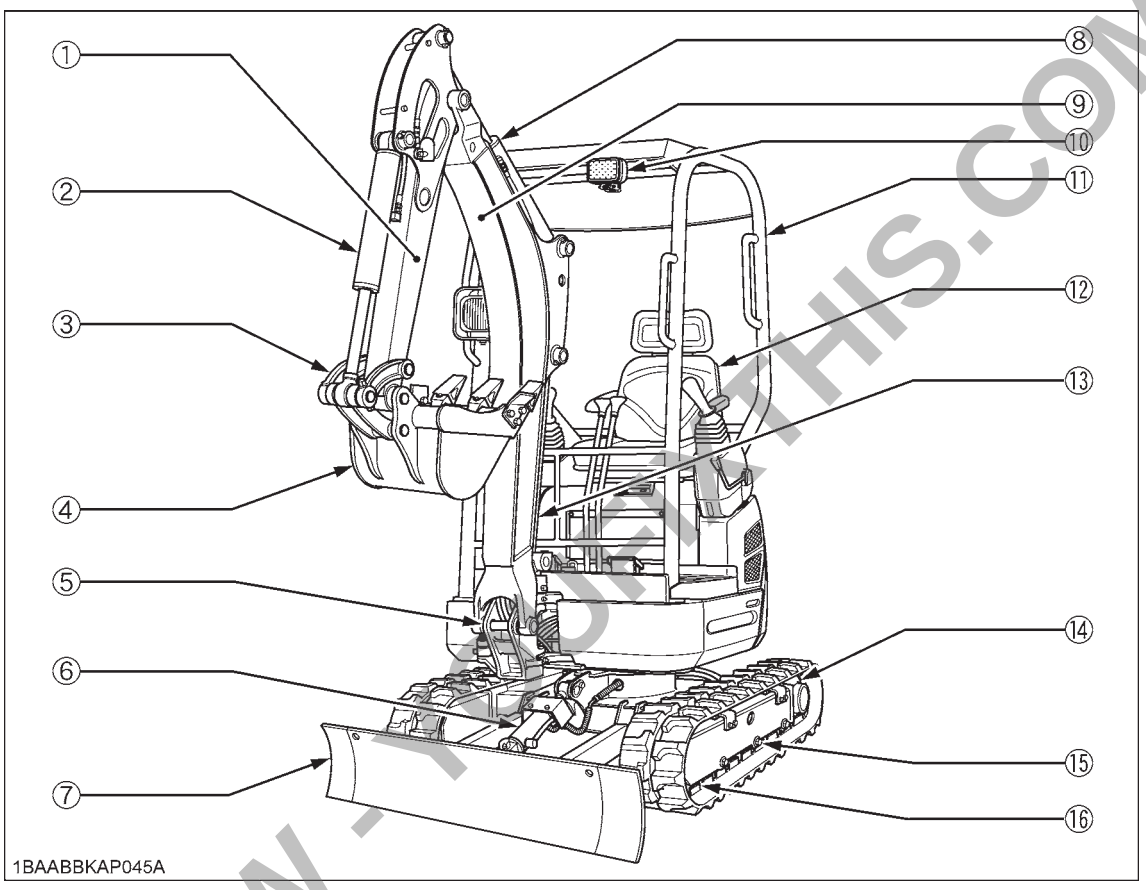
IMPORTANT : Indicates that equipment or property damage could result if instructions are not followed.

NOTE : Gives helpful information.

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DESCRIPTION OF MACHINE PARTS



DEPICTED CONTENTS
(1) Arm
(2) Bucket cylinder
(3) Bucket link
(4) Bucket
(5) Swing bracket
(6) Dozer cylinder
(7) Dozer
(8) Arm cylinder
(9) Boom
(10) Working light
(11) Canopy (Rops / Fops)
(12) Operator's seat
(13) Boom cylinder
(14) Drive sprocket
(15) Track roller
(16) Front idler

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TROUBLESHOOTING

If the excavator does not show the desired performance, or when trouble arises, refer to the table below and undertake appropriate measures.

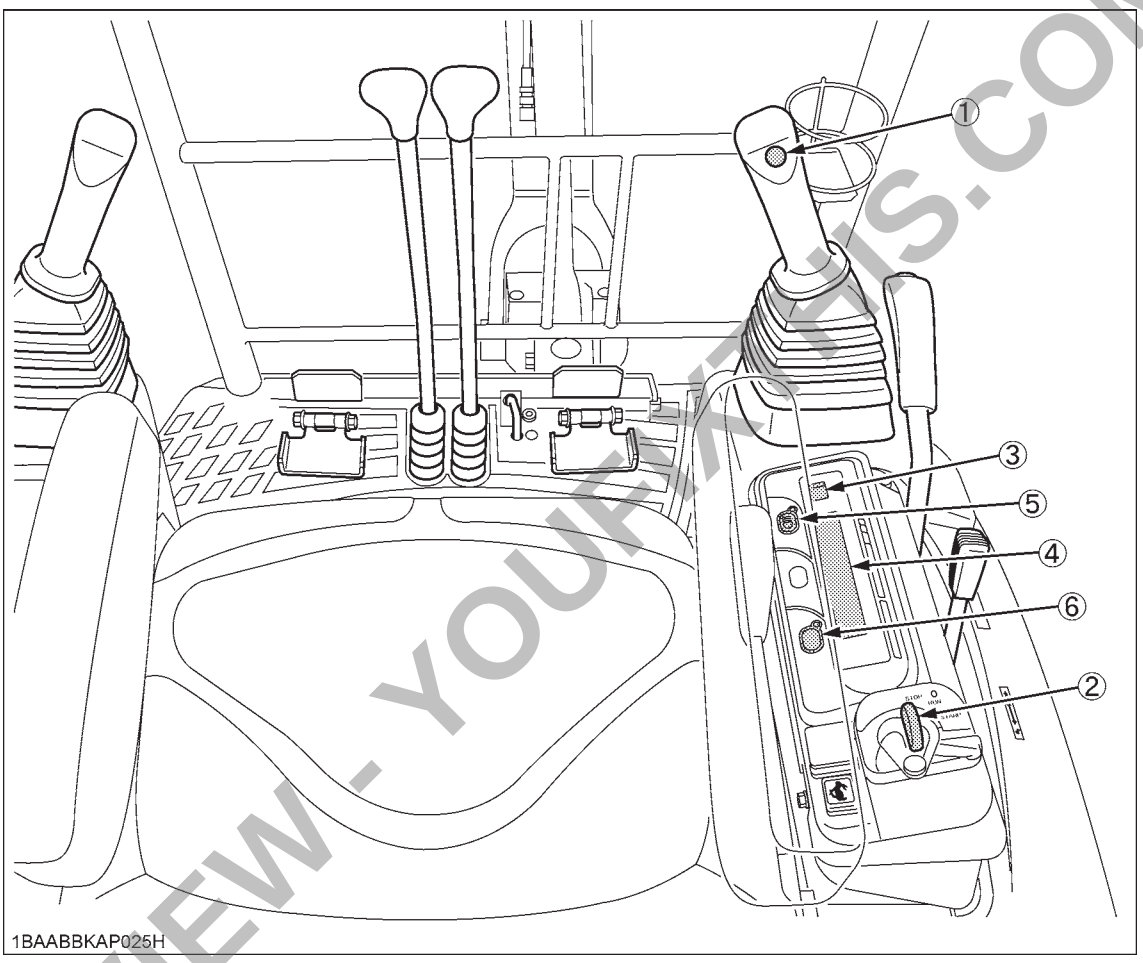
Trouble		Cause	Countermeasure
Engine	Starting difficulties	Fuel is too viscous	* Check fuel tank and filter * Remove impurities and water * If necessary, replace filter
		Air or water in the fuel system	* Remove water from the fuel tank * Check fuel pipe joint bolts and nuts for looseness * Purging of the fuel system (for fuel filter and injection pump, see "PURGING OF THE FUEL SYSTEM" in "OTHER ADJUSTMENTS AND REPLACEMENTS".)
		Oil viscosity is too high the engine runs sluggishly in winter	* Pour hot water over the radiator * Use oils of different viscosities depending on the ambient temprature. (Use SAE10W, SAE10W-30 or SAE10W-40)
		Battery is almost dead; insufficient compression	* Recharge battery
	Insufficient engine power	Low fuel level	* Check fuel and add if necessary
		Clogged air cleaner	* Clean the air filter element
	Engine suddenly stops	Low fuel level	* Check fuel and add if necessary * Purge the fuel system
	Abnormal exhaust gas colour	Poor fuel	* Use high quality fuel
		Too much engine oil	* Drain engine oil to prescribed oil level
	Water temperature in red zone (Overheating)	Defective seal of the water pump	* Replace
		Worn or torn fan belt	* Adjust or replace
		Thermostat is defect	* Replace
		Coolant level too low	* Fill to prescribed level
		Radiator grill or fins are clogged	* Clean
		Coolant is contaminated with rust from the cylinder head or crank case	* Replace coolant fluid and add anti-rust
		Defective radiator cap (Evaporation)	* Replace
		Corroded coolant pipes	* Clean
		Continuous operation under full load	* Reduce load
		Cylinder head gasket is damaged (Coolant loss)	* Replace
		Engine oil level too low	* Fill to prescribed level
		Maladjustment of fuel injection	* Readjust ignition timing
		Use of poor fuel	* Use prescribed fuel

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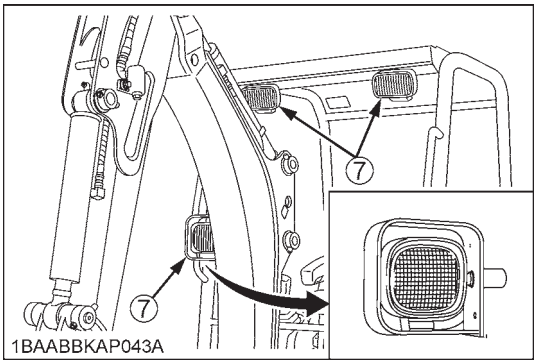
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INSTRUMENT PANEL AND CONTROL ELEMENTS

■ Instrument Panel, Switches



DEPICTED CONTENTS
(1) Horn switch
(2) Starter switch
(3) Warning lamp
(4) LCD display
(5) Working light switch
(6) Display selector switch
(7) Working light



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FOREWORD

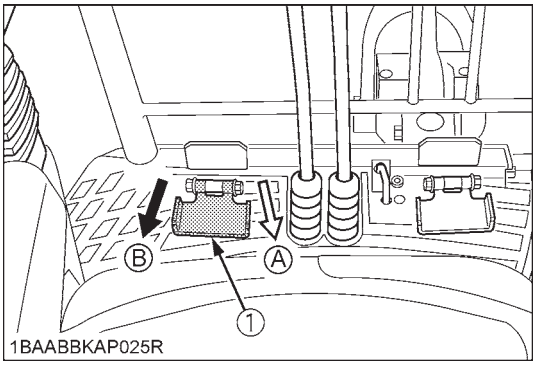
You are now the proud owner of a KUBOTA excavator. This excavator is a product of KUBOTA quality engineering and manufacturing. It is made of the fine materials and under rigid quality control systems. It will give you long, satisfactory service. To obtain the best use of your excavator, please read this manual carefully. It will help you become familiar with the operation of the excavator and contains many helpful hints about excavator maintenance. It is KUBOTA's policy to utilize as quick as possible every advance in our research. The immediate use of new techniques in the manufacture of products may cause some small parts of this manual to be outdated. KUBOTA distributors and dealers will have the most up-to-date information. Please do not hesitate to consult with them.

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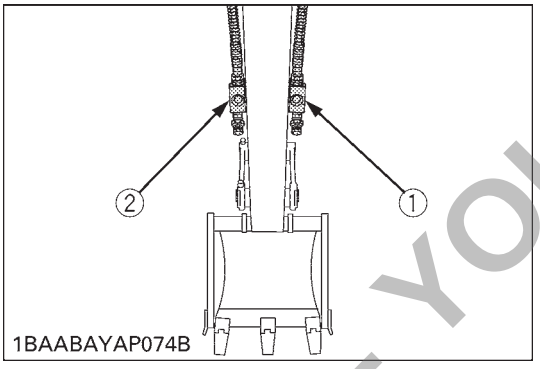
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SERVICE PORT OPERATION

This pedal is used to operate attachments such as breakers.



(1) Service port pedal
(A) Sends oil to the port (A)
(B) Sends oil to the port (B)



(1) Port (A)
(2) Port (B)

- Push the right of the pedal (⇩) to send oil to the port (A).
- Push the left of the pedal (⇩) to send oil to the port (B).

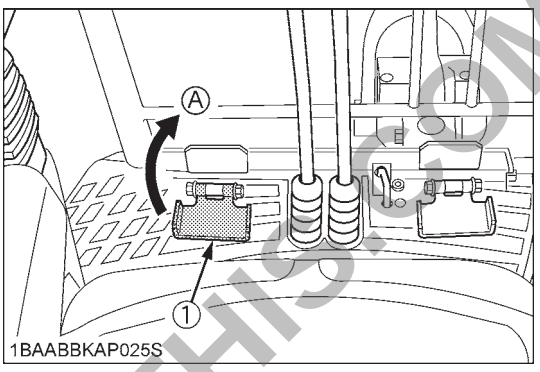
Max. Flow Volume Theoretical L min.	27.0
Max. Pressure psi [MPa (kgf/cm²)]	2697 [18.6 (190)]

IMPORTANT:

- When the service port is not used for a long period, dirt particles can settle in the lower part of the service port lines.
  When the plugs on the service port lines are removed to connect attachments, drain approx. 100 cc of oil per side.
  For breaker choices, contact your dealer.

NOTE:

- When the service port is not in use, fold the service port pedal forward. The pedal gets fixed and can be used as footrest.



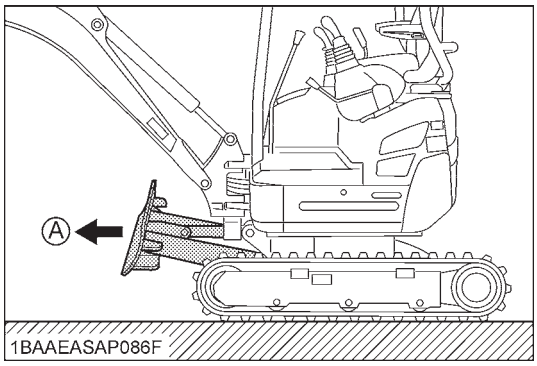
(1) Service port pedal
(A) "Fix"

DRIVING

WARNING

To avoid personal injury or death:

- **Before starting the engine, make sure that no one is near the excavator.**
- **Before operating the excavator, check the track direction. (Idler and dozer to the front of the excavator).**



(A) "Front"

- **Avoid travelling across a slope or working sideways on a slope.**

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