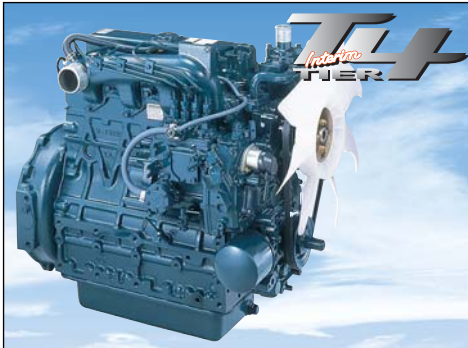


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CLEAN-RUNNING KUBOTA ENGINE

Powerful and dependable, the U45S's diesel engine delivers superior horsepower and performance. It offers low noise and vibration levels, exceptional fuel efficiency, and complies with the EPA's 2008 interim Tier IV emissions regulations.



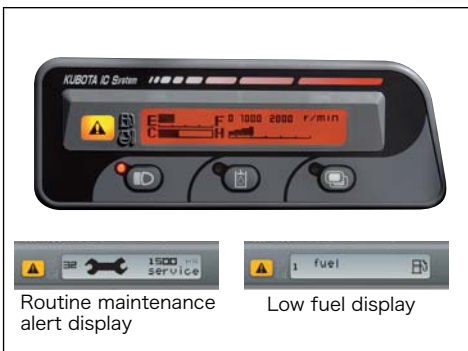
AUTO IDLE SYSTEM

Kubota's Auto Idle System improves safety, decreases noise, and reduces fuel consumption by approximately 10%. The engine automatically decelerates to idling speed four seconds after the control levers are returned to their neutral positions. When a control lever is subsequently moved, the engine speed automatically returns to its prior setting. A simple twist of the Dial Accelerator smoothly coordinates speed and tachometer settings.



ADJUSTABLE MAXIMUM OIL FLOW CONTROL FOR AUXILIARY PORT

This unique function lets you control the oil flow according to your needs or the attachment in use. It eliminates the hassle of using tools to change settings manually, so you don't have to leave the cabin. When using a tilt bucket, you can slow the flow to get just the right control to gently shape a swale. Alternatively, for a brush cutter, direct the oil flow to one side of the excavator arm. The system will even store your settings for the next time you need it, saving time and quickly regulating the flow requirements. Adjustable oil flow enhances performance and saves fuel.



DIGITAL PANEL

Informative, interactive, and functional, Kubota's Intelligent Control System provides timely diagnostic readings and routine maintenance alerts to help reduce downtime and repair fees. The large digital panel displays current working conditions, warning indicators, engine rpm and hour meter, fuel, temperature and oil levels. The panel not only lets you know when fuel is running low, but alerts you during refueling when the tank is nearly full.



THUMB BRACKET

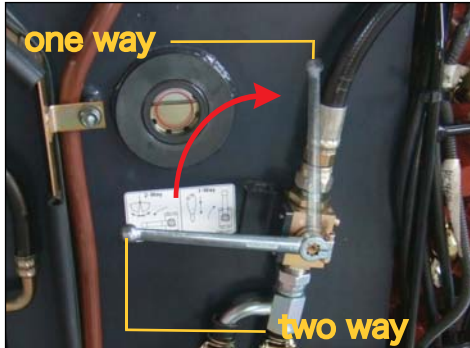
The factory-installed thumb bracket and relief valve significantly reduce the time needed to mount the optional hydraulic thumb, which makes short work of a variety of loading and material handling jobs.

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THIRD-LINE HYDRAULIC RETURN

When working with one-way hydraulic attachments, such as a breaker or brush cutter, the standard third-line hydraulic return system allows oil to flow directly back to the tank without running through the control valves. This contributes to less oil contamination, reduced back pressure, and greater oil flow efficiency.

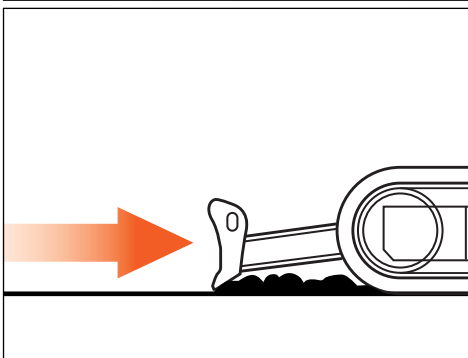
FUEL OVERFLOW PREVENTION

The U45's fuel system warns you when the tank is nearly full. To begin refueling, turn the ignition key to the OFF position and press any of the buttons on the digital panel. The system will begin beeping. When the tank is nearly full, the interval between the beeps will become shorter.



HYDRAULIC ANGLE BLADE

Save time and work more efficiently. With a simple movement of the dozer lever, the hydraulic angle blade can be angled to the right or left to push soil to the side as the machine moves forward, eliminating the need for repetitive repositioning at right angles when backfilling trenches.



FLOAT POSITION

You don't need to adjust the dozer height to make a clean ground surface—after backfilling, just travel backward along the covered ditch with the dozer in the float position. Ground finishing work is now fast and easy!



EASY OPERATION

Up, down, left and right—the angle blade can be moved and positioned with just a single lever.

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TIGHT SPOTS

The angle blade lets you work efficiently in confined spaces, alongside walls, and near busy roads. No wider than the tracks, it's also easy to transport between jobs.



ZERO-TAIL SWING

With zero-tail swing, even the tightest spaces become efficient work places. Because the tail always stays within the width of the tracks, you can turn the house throughout its 360-degree turning radius without damage to the machine or surroundings. Zero-tail swing also ensures excellent balance and stability and faster operation, making the U45S ideal for work in congested urban areas.

STRONG BUCKET BREAKOUT FORCE

Strong breakout force keeps the U45S working efficiently even under the heaviest of loads. With the dedicated bucket and quick coupler, the bucket breakout force tops 9,600 lbs, more than enough for even the toughest excavating jobs.

LOAD SENSING HYDRAULIC SYSTEM

With Kubota's advanced Load Sensing Hydraulic System, even the slightest lever movements produce smooth and simultaneous operation of the boom, arm, bucket, and house. Control valves automatically regulate and distribute the optimum amount of oil to each cylinder based on the weight of the load, resulting in perfectly matched speed, power, and cylinder timing.

EXCELLENT LIFTING CAPACITY AND WORKING RANGE

A powerful and responsive front working group provides excellent lifting capacity for all your digging, lifting, and loading jobs. Even when working to the side, using hydraulic attachments, or lifting heavy objects, the U45S has excellent stability, thanks to its innovative counter balancing technology, long tumbler distance, low center of gravity and Double Outer Flanged Lower Track Rollers. The U45S's large bucket capacity, excellent reach and digging depth, ensure that every digging job is done with maximum efficiency and speed.

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BOOM CYLINDER PROTECTION

The reinforced v-shape guard protects the boom cylinder rod from damage caused by accidental contact with attachments, rocks, or loads.



USER-FRIENDLY OPERATION

New operating levers require less effort and shorter movements, ensuring improved control and operator comfort. Auxiliary hydraulics controls are mounted on the right operating lever for simple operation of attachments. A 2-speed travel switch on the dozer lever permits quicker, more convenient travel speed changes. Adjustable wrist rests help reduce operator fatigue for increased job efficiency.



SUSPENSION SEAT

The deluxe, high back seat is fully adjustable, ensuring optimum comfort for operators of all sizes. Even the custom wrist rests are adjustable to help reduce arm movement and increase operator comfort.



FRONT PIN BUSHINGS

Pin bushings are installed at all of the pivot points along the swing bracket, boom, arm, and bucket. Pin type bushings not only last longer, they are easier to replace when necessary.



WELL PROTECTED FRONT ATTACHMENT HOSES

To protect the front hoses from accidental damage, they are routed through the swing bracket.

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MAINTENANCE

A wide-opening rear engine cover provides fast and easy access to daily maintenance items. The side cover provides access to the battery, radiator and oil cooler, hydraulic oil tank and the control valve. Two-piece hose connections for the dozer and boom cylinders simplify hose replacement and reduce downtime.

CONTROLLED CLIMATE CAB

No matter what the weather outside, the U45S's climate-controlled cab will keep you feeling fresh and comfortable, letting you work faster, better, and longer. If desired, filtered outside air can be introduced via the external air vent.

TWO-PATTERN SELECTION SYSTEM (TPSS)

No need for tools or to leave your seat—a quick flick of the switch is all it takes to change between ISO and SAE operating patterns.

WIDER FOOT AREA

More spacious than most excavators, the U45S's comfortable operating area helps reduce operator fatigue.

AUXILIARY HYDRAULIC SYSTEM

The U45S's auxiliary hydraulic system can accommodate a variety of attachments such as breakers and augers. Standard features include port pipes on the arm, bi-directional auxiliary hydraulic controls, and a control valve. The auxiliary hydraulic connections are located within easy reach and incorporate short hoses that are less likely to become tangled or damaged.

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AIR CONDITIONER FILTER CARTRIDGE

The air conditioner filter cartridge features a new frame which is easy to access and slides out for cleaning and maintenance.



ACCUMULATOR

Replacing attachments is more efficient, thanks to the U45S's accumulator. Turning the key to the "on" position clears residual pressure in the auxiliary hydraulic port, preventing oil from spurting out when attachments are removed. Should the engine accidentally shut off while the front attachment is raised, simply turn the key to the "on" position. The attachment can now be safely lowered.

SAFE, CONTROLLED STARTS

When the safety control lever is moved upward, the console moves with it, providing more room for entry and exit. To prevent unexpected machine movement during entry or exit, the pilot and travel controls are then disabled. This is the only time that the engine will crank over.

SWIVEL NEGATIVE BRAKE

The swivel negative brake automatically locks the upper structure in its current position when the engine is stopped or the safety control lever is raised. Hence, the swivel transport lock pin is no longer required.

STRAIGHT TRAVEL

For safer loading and off-loading, the U45S incorporates a Hydraulic Matching System that keeps the U45S traveling in a straight line while operating the boom and attachments.