

### U Compact Excavators U45



#### Angle Blade with Float

The angle blade saves time and lets you work more efficiently alongside walls, near busy roads, and other space-restricted areas. With a simple movement of the dozer lever, the hydraulic angle blade can be set 25° to the right or left to push soil as the machine moves forward, eliminating the need for repetitive repositioning at right angles when backfilling trenches. The blade has a convenient floating position that simplifies ground-finishing work, since you don't need to keep adjusting the dozer height.



#### Auxiliary Hydraulics

The U45'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.



#### Controlled Climate Cab

No matter what the weather outside, the U45'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.



#### Digital Panel

Kubota's Intelligent Control System can help reduce downtime and repair fees by providing timely diagnostic readings and routine maintenance alerts. 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.



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## FEATURES AT A GLANCE

**U** Compact Excavators  
**U45**



### Wide Foot Space

More spacious than many conventional tail swing excavators, the U45's wider foot space enhances operator comfort.



### Easy 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.



### 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.



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#### 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.



#### 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.



#### 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.



#### Thumb Bracket

The optional hydraulic thumb allows you to handle a variety of loading and digging jobs without stopping to change implements. It works with the bucket to pinch materials for loading and carrying. When no longer needed, it retracts to permit normal excavation. The U45's factory-installed thumb bracket and auxiliary hydraulics significantly reduce the time needed to mount the hydraulic thumb.

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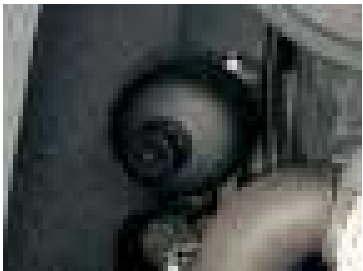
#### Two-Pattern Selection

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.



#### User Friendly Operation

New operating levers ① require less effort and shorter movements, ensuring improved control and operator comfort. Auxiliary hydraulics controls ② are mounted on the right operating lever for simple operation ③ of attachments. A 2-speed travel switch ④ on the dozer lever permits quicker, more convenient travel speed changes. Adjustable wrist rests ⑤ help reduce operator fatigue for increased job efficiency.



#### Accumulator

Replacing attachments is now safer and more efficient, thanks to the U45'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.



#### 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.



#### ROPS / FOPS Canopy / Cab

The OSHA certified ROPS/FOPS canopy and cab provide complete protection from accidental rollovers and falling objects, ensuring an extra level of safety and security on the job.



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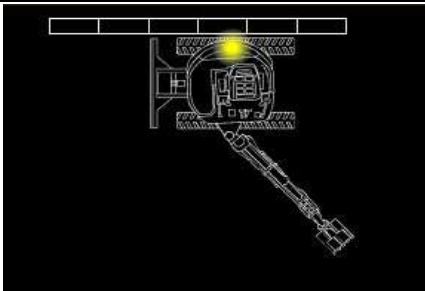
### Strong Bucket Force

Strong breakout force keeps the U45 working efficiently even under the heaviest of loads. With the dedicated bucket and quick coupler, the bucket breakout force tops 8,700 lbs , more than enough for even the toughest excavating jobs.



### Swivel Negative Brake

Whenever the engine is stopped or the safety control lever is raised, the swivel negative brake automatically locks the house in its current position, thus eliminating the need for a swivel transport lock pin.



### Zero Tail Swing

Tough job got you in a corner? Put a U45 to work on it. Zero-tail swing keeps the tail within the width of the tracks, so you can turn the house throughout its 360-degree turning radius without worrying about what is to the side or behind you. Zero-tail swing also ensures excellent balance, stability and fast operation, making the U45 ideal for jobs in congested urban areas.



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