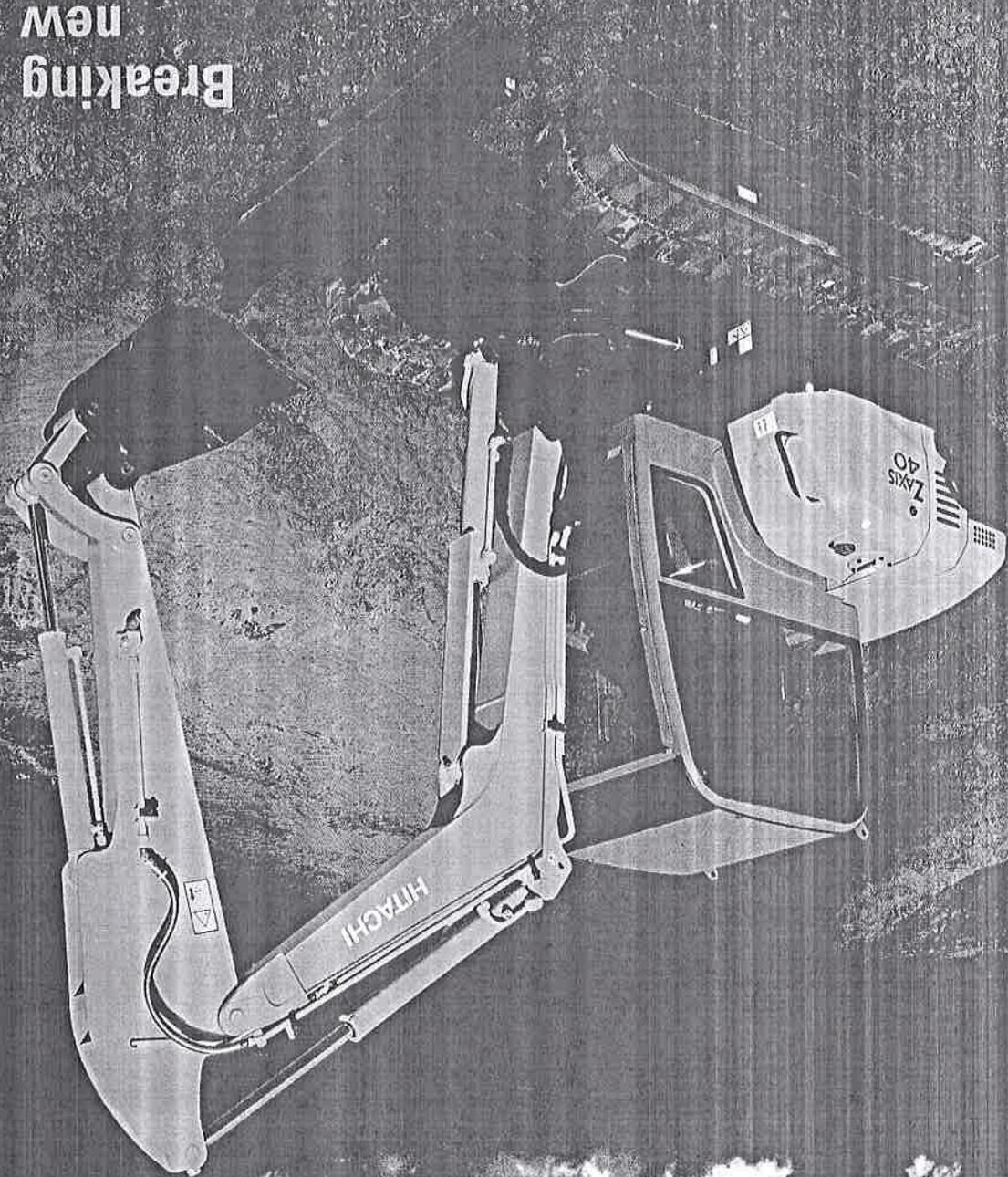


Breaking
new
ground



Mini-Excavators
ZAXIS30 - 35 - 40 - 50

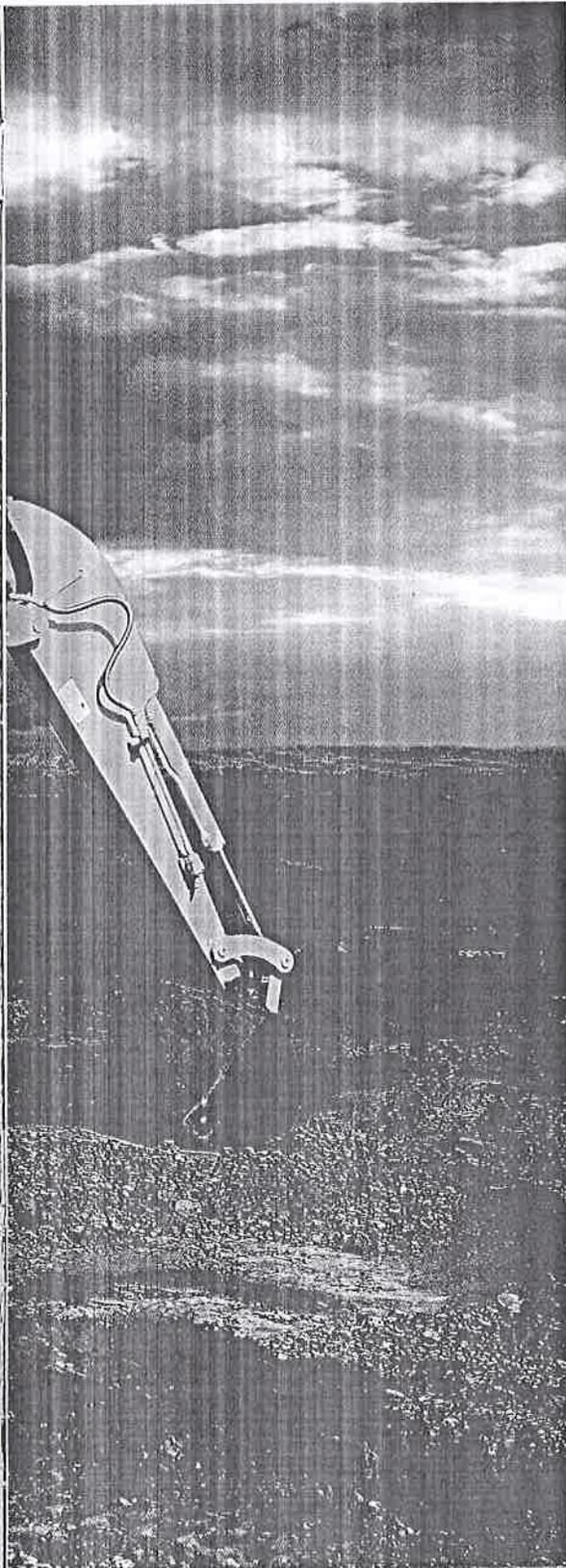
HITACHI



THE HITACHI MINI EXCAVATORS: DESIGNED FROM



PERIENCE



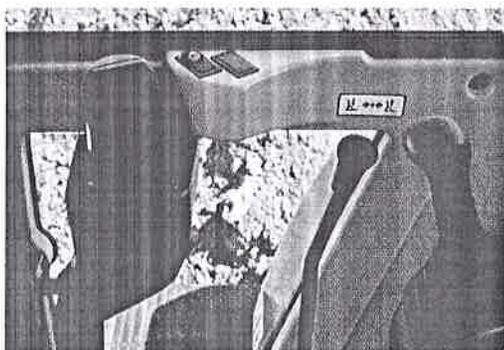
Hitachi has developed the new series of ZAXIS30, ZAXIS35, ZAXIS40 and ZAXIS50 excavators for heavy-duty applications. These compact excavators can be used in a limited space and, by the use of the swing boom, work can be carried out both accurately and flexibly.

The European market places special requirements on excavators and Hitachi have tailored the new mini excavators to meet these. The excavators are equipped with all modern comforts, including a completely newly designed operator's cabin. The cabin now has a wider entrance, a larger glass surface and is designed to be as ergonomic as possible.

The performance of the mini excavators has also been improved. The operator's cabin is mounted on a floor plate, just as with the larger excavators, giving fewer vibrations and lower noise level. In addition to this the excavators have an even greater lifting power, a greater excavating range and a more accurate operation.

DESIGNED FOR COMFORT

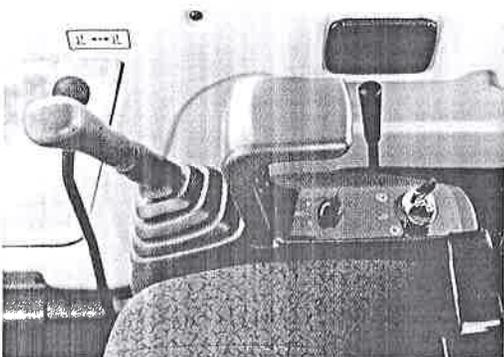




Cabin

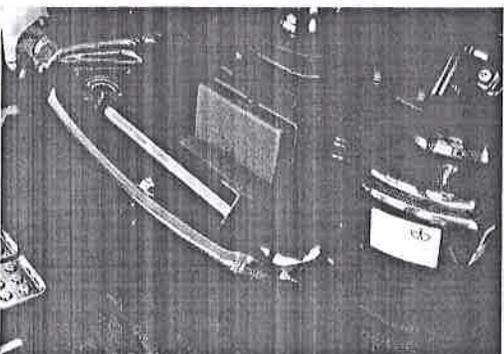
The operator's cabin of the mini excavators has been redesigned according to European standards. The interior has been completely restyled and given a luxurious finish and the neatly fitted heating in both the cabin and canopy provides extra comfort during cold weather. The operator's cabin space has been made larger and is easier to access due to its wider entrance. The operator's cabin and the canopy on four pillars are ROPS and FOPS tested to guarantee the safety of the operator. For extra safety a seat belt has been fitted and an evacuation hammer is present in the cabin.

The operator's cabin and canopy both have a comfortable seat that can be widely adjusted. Under this there is storage space for a tools and manuals.

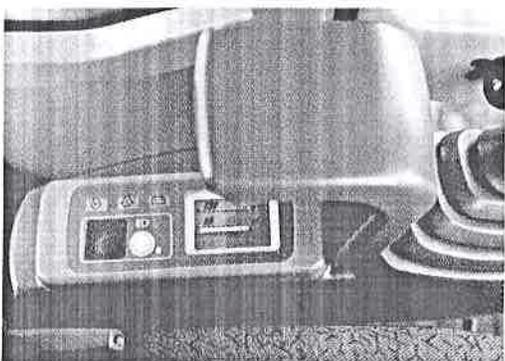


The control levers of the mini excavators are hydraulically controlled. The excavators are fitted with arm supports as standard, which provides extra operating comfort. Under the left arm support is an LCD control panel, which clearly shows the fuel level and the engine oil pressure, etc. Under the right arm support is the operating switch for the heating and the key switch.

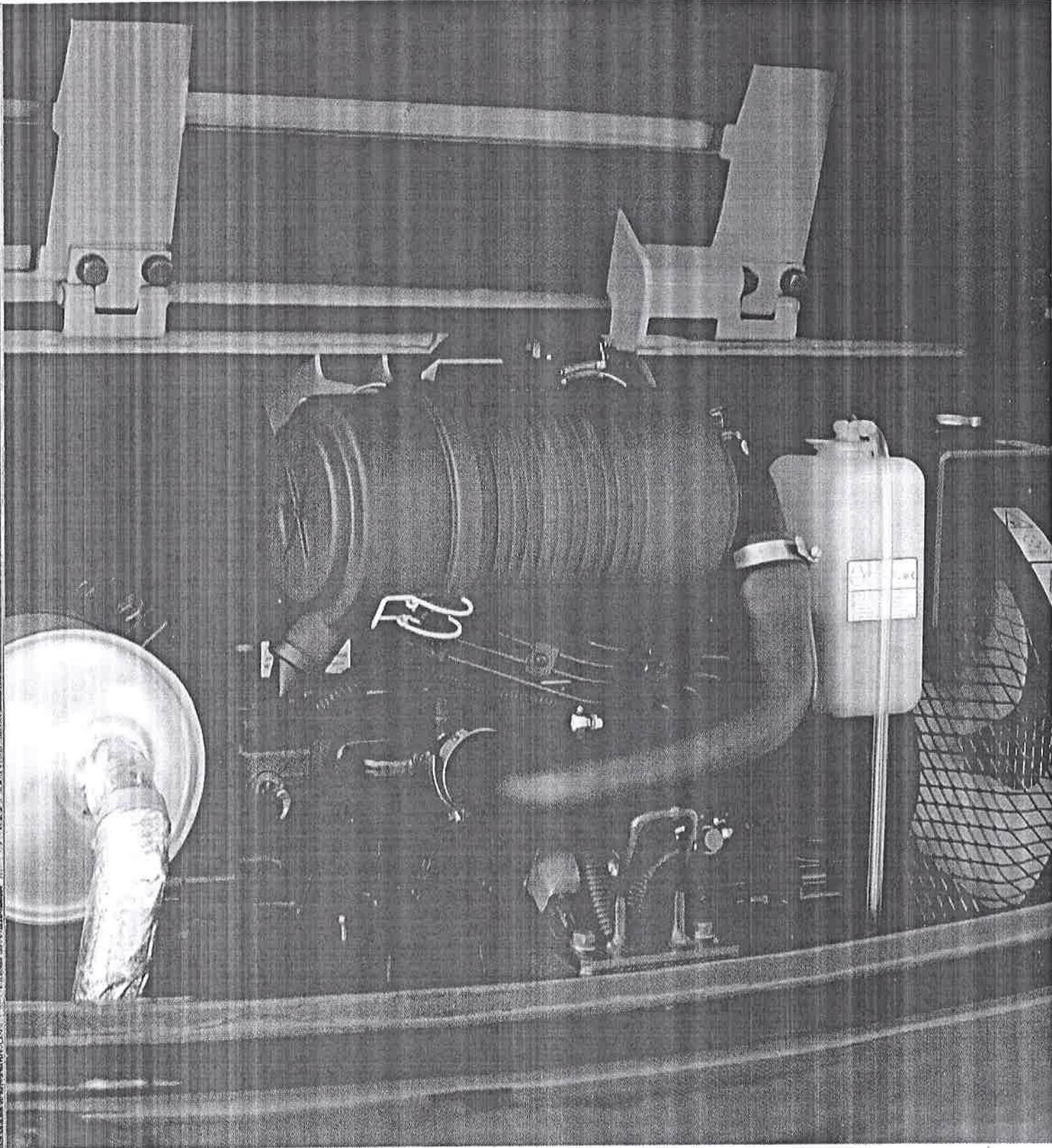
The option to demist windows along with an extra window on the bottom right side and has further optimised the view of the operator, plus the front screen can be fully moved upwards and locked in place. The canopy is fitted with a rear window giving the operator improved protection against wind and light rain.

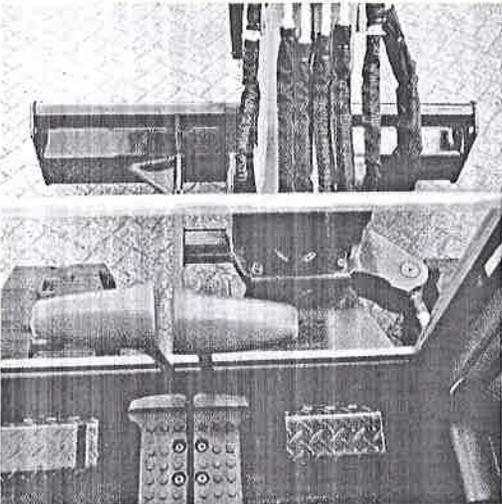
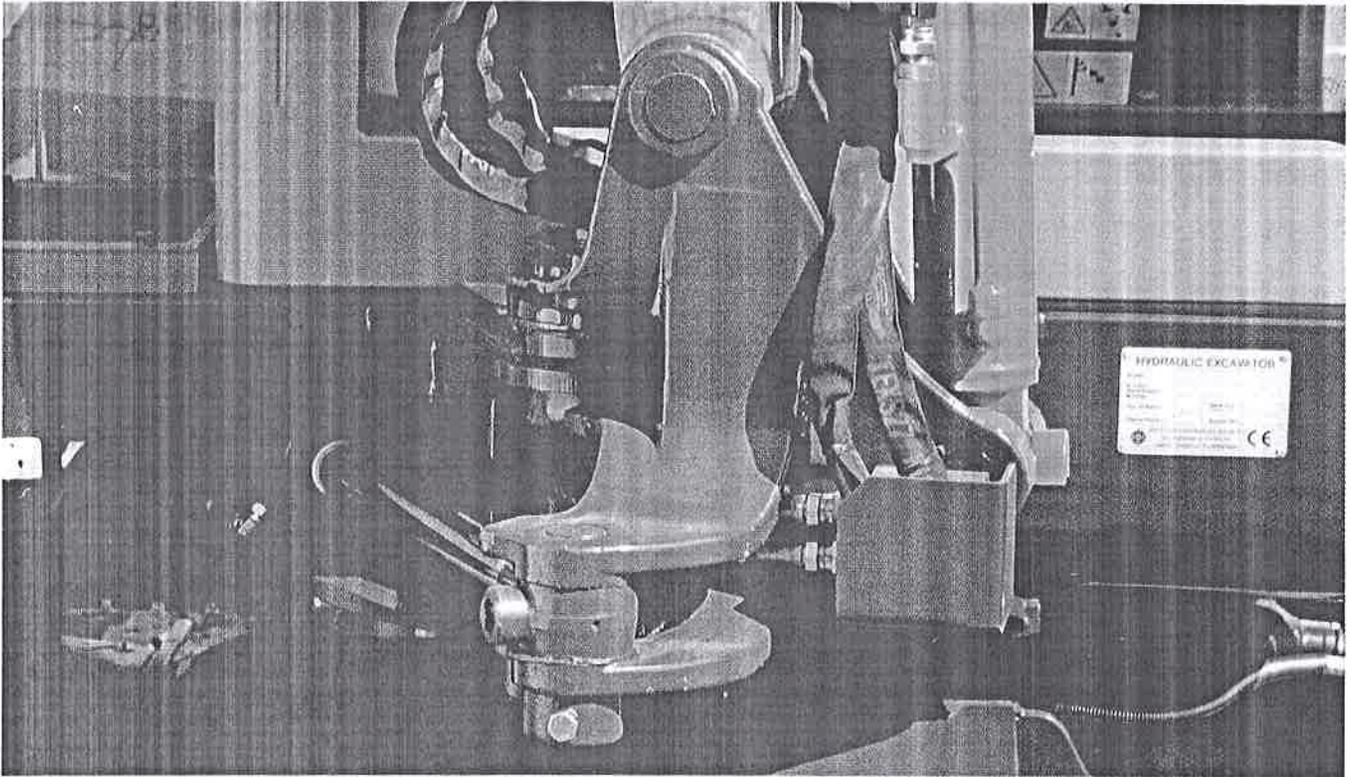


The operator's cabin is prepared for a radio connection with the antenna fitted on the outside and enough room inside for two loudspeaker cabinets, which are easy to connect.



DESIGNED FOR POWER





Frame

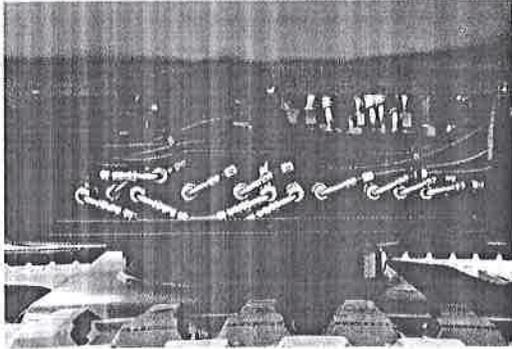
The robust frame of the mini excavators has been designed to perform heavy work. The bulldozer blade, which gives extra stability during excavating, is placed well within the field of vision of the operator.

The vertical holes of the swing boom are fitted with bushes, so that wear is reduced and the useful life is increased. The hoses of the bucket cylinder run through the arm for protection limiting possible external damage. Besides this, the hoses at the base of the swing boom are covered to protect the operator against possible oil leakage.

Engine

The Hitachi mini excavators are equipped with environmentally friendly, highly reliable, low-emission engines from Kubota. These engines have been developed according to the latest standards for diesel engines and have an exceptionally low fuel consumption. The mounting of the engine, the engine hood and the exhaust are designed so that they produce as little noise as possible for improved working comfort.

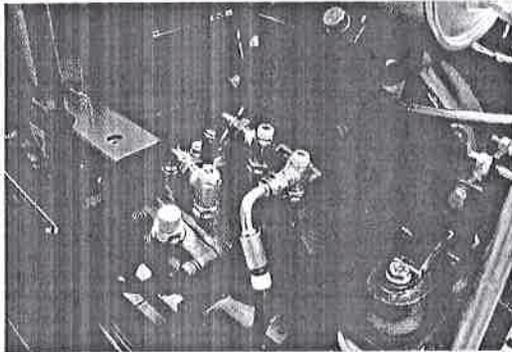
DESIGNED FOR QUALITY



Hydraulic system

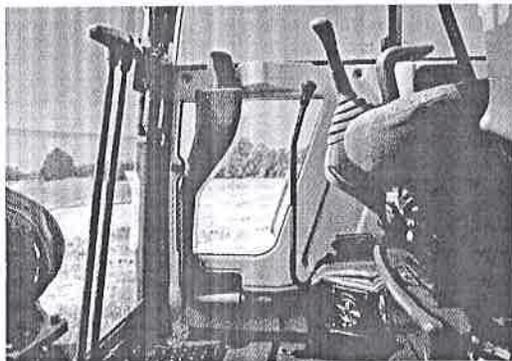
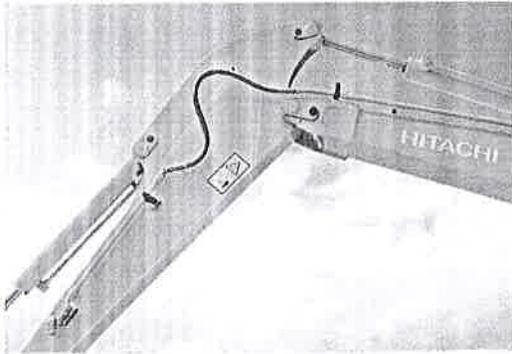
The Hitachi mini excavators are provided with a new hydraulic system, including a circuit that regenerates the hydraulic energy, which greatly improves the efficiency. The system works with three pumps: two variable piston pumps and a gear pump. The two variable pumps provide optimum oil flow to the main functions; the gear pump provides oil for the swing circuit, the blade and the swing boom. This makes it possible to operate the excavator very accurately and allows fast and smooth combined movements to be made, including the driving.

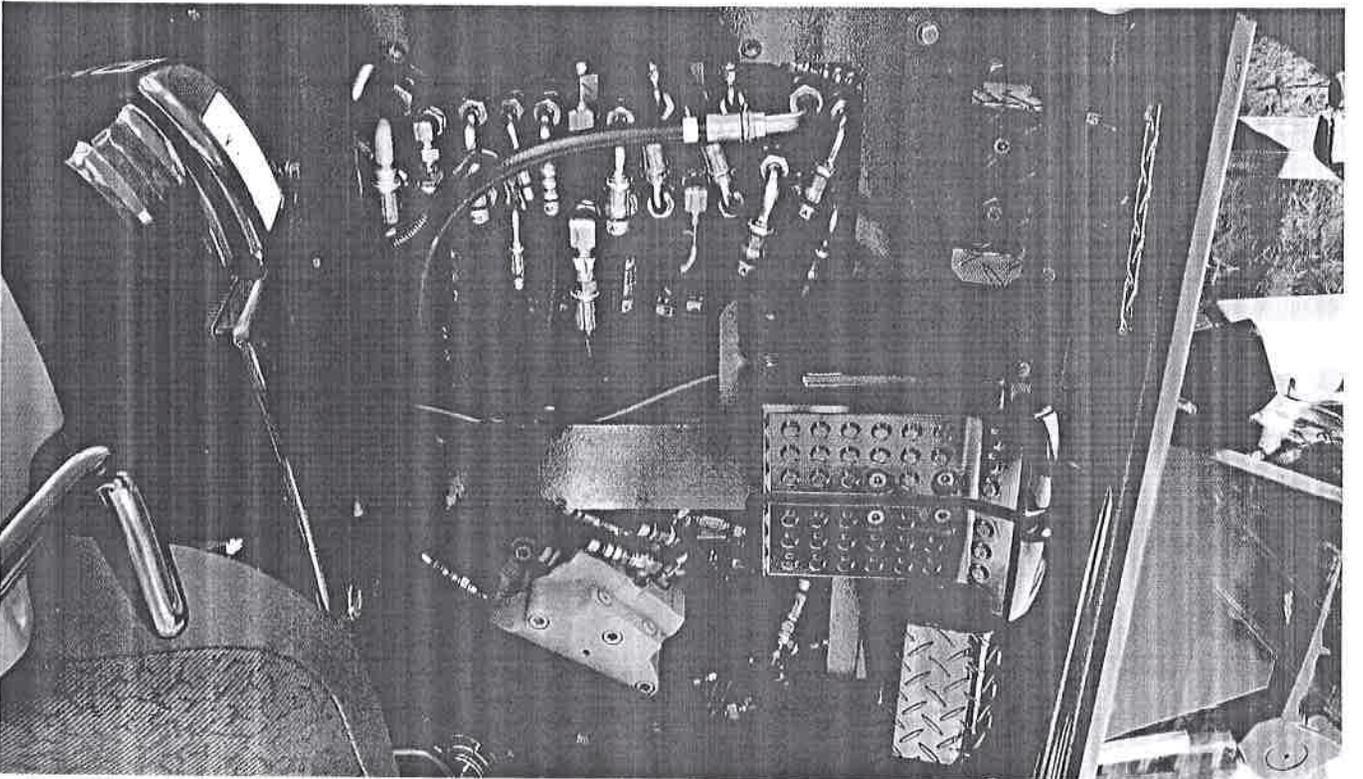
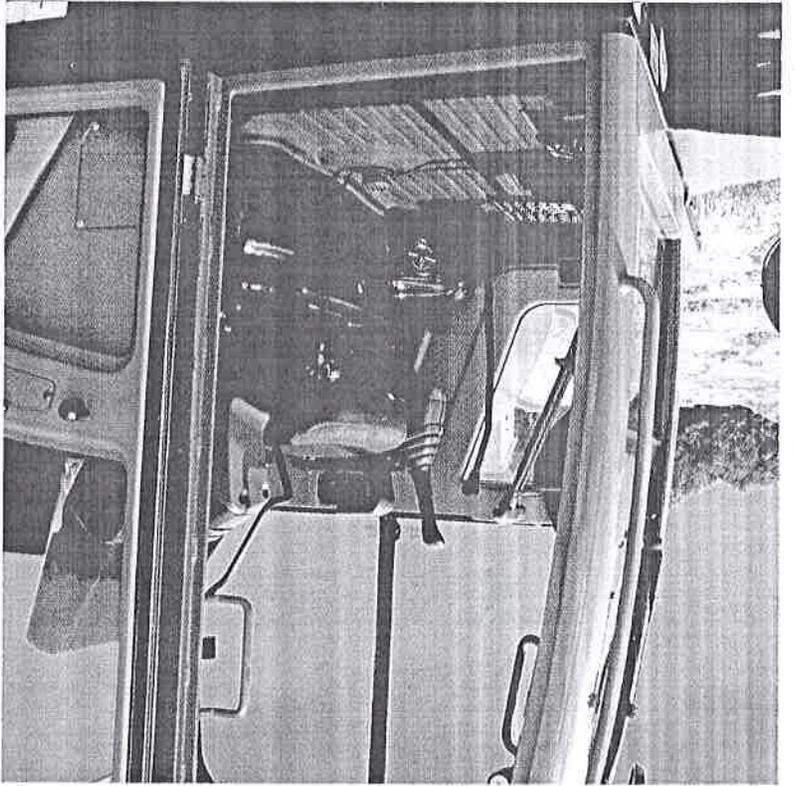
The travel levers of the excavators are now also hydraulically controlled. This makes the operation both lighter and more accurate. If long distances have to be driven, pedals can be used.



The left console and safety lever can be pivoted far to the cabin rear. This improves accessibility to the cabin entrance. The safety lever prevents the excavator from unexpectedly operating if the handles are accidentally touched when the operator sits down.

The mini excavators are provided as standard with two extra hoses that go through to the arm. Optional equipment such as a crusher or breaker can be connected to these.





DESIGNED FOR EFFICIENCY

Maintenance

The periodic maintenance of the new mini excavators has been simplified, partly because the engine hood can be opened widely so that all components are easily accessed. The battery is situated separately and is easy to reach.

The main valve block is placed under the easily opened floor plate in the operator's cabin and can be accessed on the side.

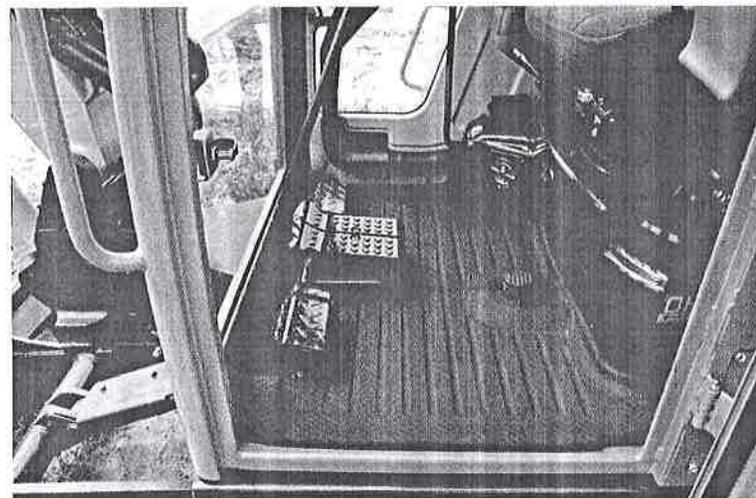
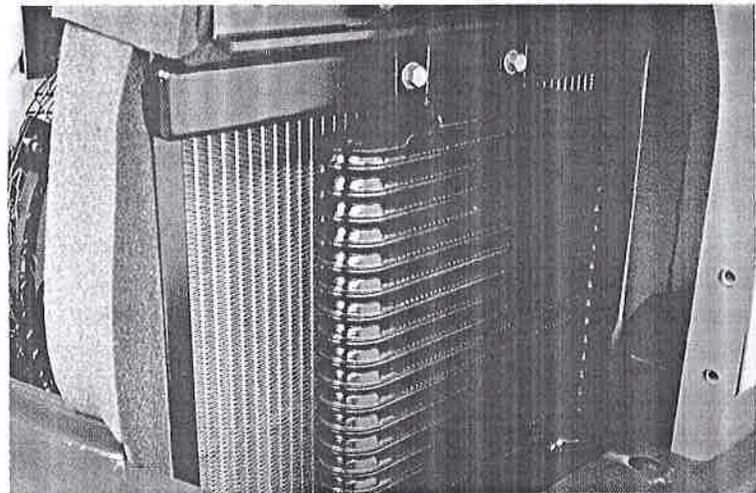
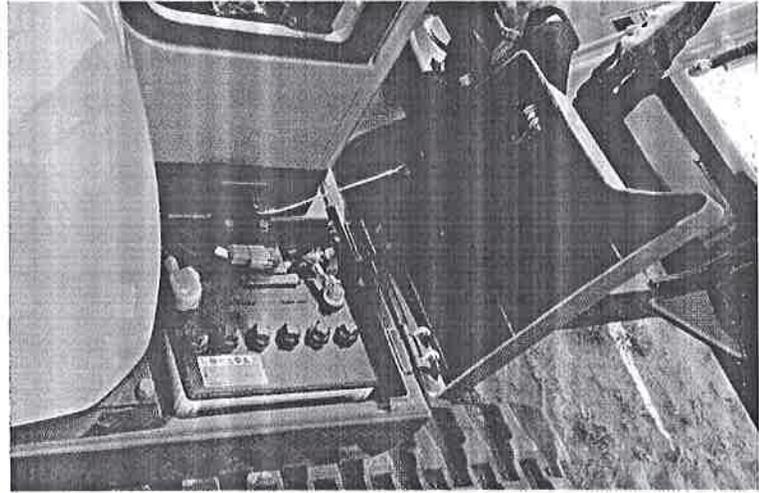
A water separator is fitted as standard in the fuel system to ensure no water can enter the system.

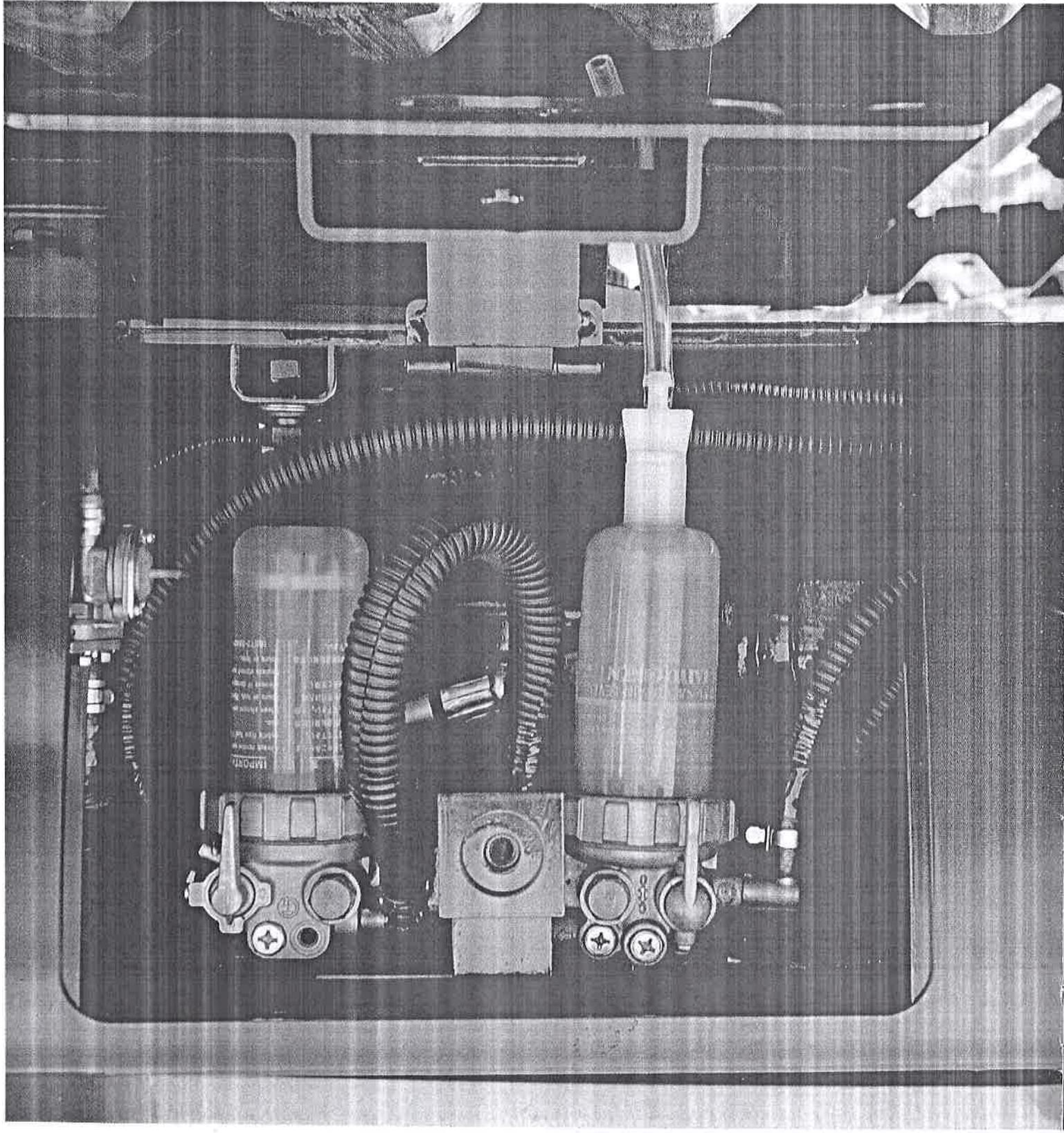
An air filter indicator shows when the air filter needs to be replaced, which is very easy to do.

A loose rubber mat in the operator's cabin and canopy allows the floor to be cleaned quickly and easily.

The excavators are fitted with an aluminium radiator and oil cooler, greatly reducing the chance of corrosion.

Furthermore, the pivots in the boom are fitted with Hitachi HN self-lubricating bushes, and as a result, less maintenance is required. The HN bushes only need to be lubricated after 500 hours of operation.





HITACHI 10-11

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SB-EN ZX 30-50 10 03 - 01

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