



# Diesel screw air compressor shell removal

How does a diesel engine compressor work?

The compressor is driven by the rear side of output shaft of diesel engine through a heavily spring type coupling mounted on flywheel. Air filtered by inlet filter enters the inlet chamber of compressor through inlet valve, and then compressed in screw groove before being discharged from outlet of air end.

How to maintain a diesel engine compressor?

Maintenance not only affects proper operation of the compressor but also the safety of the operators. Please drain water in the fuel water separator and fuel tank every day before starting the machine to ensure proper operation of diesel engine. Do not remove nuts, oil filling plugs, and other parts when the compressor is running or pressurized.

How does a screw compressor work?

A screw compressor can run loaded ('pumping air') or unloaded ('idle'). The inlet/loading valve opens and closes according to air demand. The inlet valve is controlled by a solenoid valve that supplies control air to the inlet/loading valve. Check solenoid valve coil and solenoid valve operation.

How to service a compressor unit?

All components need to be serviced can be accessed through air spring supported flip-up service doors for convenient maintenance of the compressor unit. Canopy is properly sealed to prevent rain. Heat-resisting, flame-retardant and acoustic material is arranged inside the enclosure, significantly reducing noise of the machine.

How do you clean a compressor & air separator?

1) Allow the compressor to cool before adding fluid. Ground the compressor and fluid/air separator together before adding fluid and keep sparks, flames and other sources of ignition away. 2) Clean up spills of fluid immediately, if such spills occur. Do not permit fluid on acoustic material or the surface of other components.

What is a compressor air end?

3.3.1 Compressor Air End The compressor air end is very important in the portable screw compressor unit, featuring US Sullair designed and made double-stage, oil injection and lubricated type. This unit provides continuous gas pulsation-free compressed air to meet your needs.

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This is where I need your help: I need to know the parts and functions of a diesel air compressor (with illustration pictures (manual diagrams, visual pics, etc.)) as from what I ...

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