

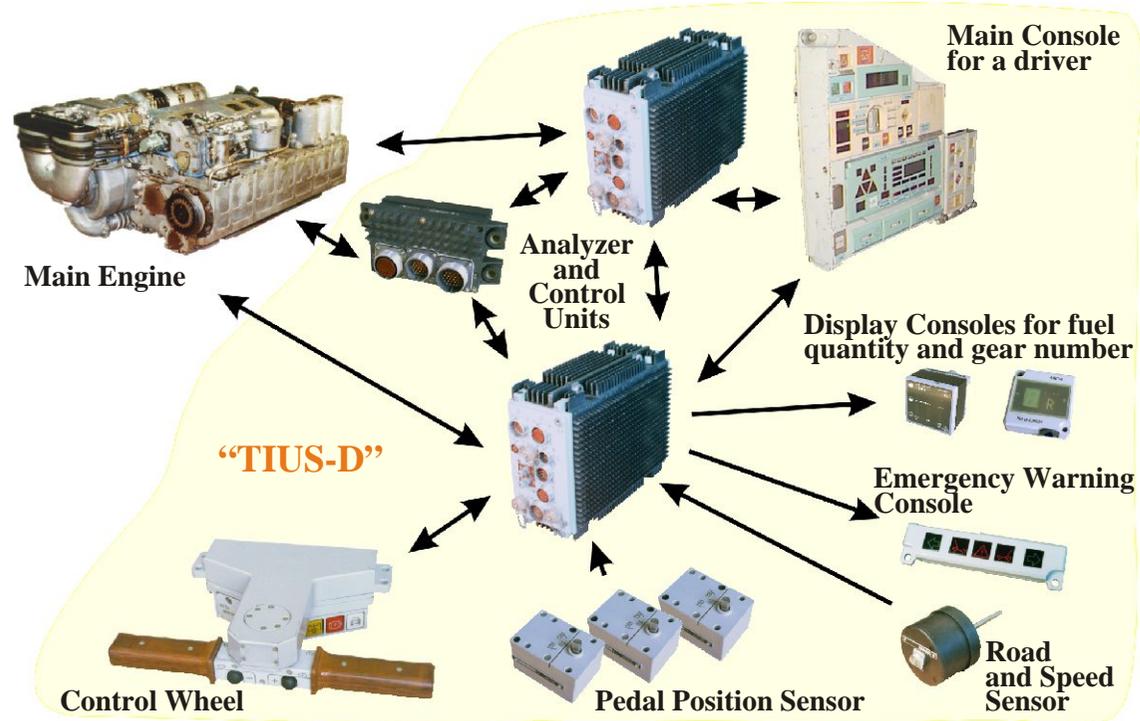
Designation

"TIUS-D" is designated for increasing the parameters of tank mobility due to automation of the start preparation and main engine start preparation processes, fuel delivery (subject to the pedal position, movement conditions, average feeding of the engine and its state), gear change, rotation, indication of current parameters of the main engine and control over tank in various operating condition.

"TIUS-D" consists of:

- console of driving mechanic;
- indication console;
- code shaper block;
- transmission control block;
- petrol and oil indication console;
- main engine and transmission control block;
- emergency warning console;
- handwheel;
- course and speed sensor block;
- control sensor block.

"TIUS-D" TANK MOVEMENT CONTROL SUBSYSTEM



Description

"TIUS-D" provides the following:

Completely automatic tank driving with the help of handwheel (instead of lever) including:

- 1) Control over the current and emergency parameters of the main engine;
- 2) Blockage of emergency state of the main engine operation;
- 3) Control over road warning, heating and cleaning of observation equipment, indoor and outdoor lighting
- 4) Control over air intake tube with the reflection of its layout and condensate discharge.
- 5) Control over start, shutoff, motoring and curing of additional engine of power aggregate and indication of operating regime of the power aggregate.
- 6) Preliminary start preparation, start of the main engine as well as signal conditioning for hand start of the main engine and control over autonomous units.
- 7) Control over heating boiler of the main engine and heating of the habitable module of the object.
- 8) Control over magnetic smoke protection.
- 9) Indication of the petrol level in the tanks and oil in the system of object lubrication.
- 10) Control over fuel delivery of the engine equipped with electric hydraulic mechanical regulator.
- 11) Control over hydraulic mechanical board gear box.