ENGINE GOVERNING SYSTEMS

AMBAC INTERNATIONAL

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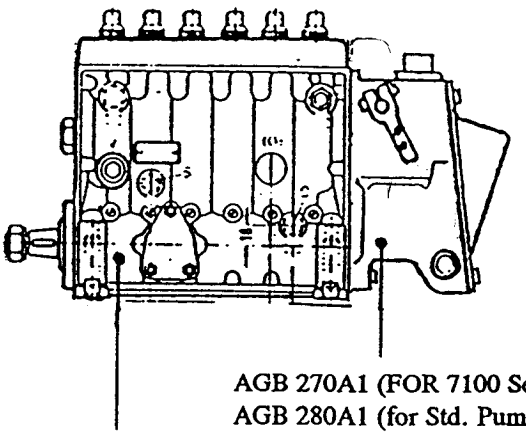
ELECTRIC GOVERNOR ACTUATOR ADAPTATIONS TO ROBERT BOSCH FUEL INJECTION PUMPS

(1) SOLUTION FOR CONTINUOUS DUTY AND MAXIMUM PERFORMANCE



AGB 270A1 (FOR 7100 Series)
AGB 280A1 (for Std. Pumps)
Actuator

PE(S) .. Pumps
PE(S) .. P(7100) Pumps

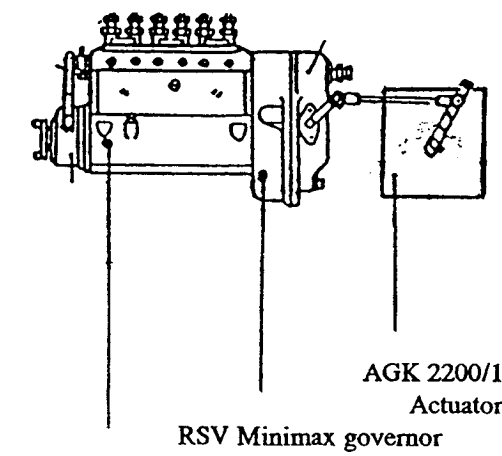
AMBAC INTERNATIONAL Integral Actuator mounted directly on R.Bosch "P" type fuel injection pump. Internally directly connected to fuel rack. Actuator kit contains all parts for direct pump adaption.

Result: Fully enclosed, tamperproof electric governing, free of external linkage. External manual stop lever for independent overspeed device.

Ultimate performance, excellent transient performance.

Reference: B270-5111 and B280-5111

(2) ALTERNATIVE SOLUTION FOR CONTINUOUS DUTY



AGK 2200/1600
Actuator
RSV Minimax governor

PE(S) .. A
PE(S) .. P
PE(S) .. MW

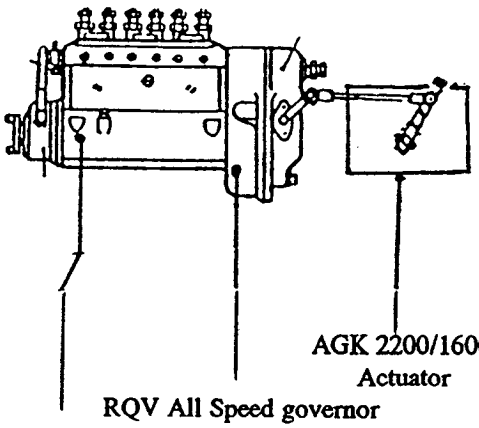
AMBAC INTERNATIONAL AGK2200/1600 actuator is externally linked to R.Bosch RSV type max governor throttle lever. The mechanical governor serves as overspeed protection, set approximately 200 rpm above nominal speed.

Advantage: Fuel pump settings untouched, easy installation.

Performance: Actuator dynamic performance slightly dampened, slightly larger transients steady state not influenced.

Reference: K2200-CW

(3) ALTERNATIVE SOLUTION FOR CONTINUOUS DUTY



PE(S) .. A
PE(S) .. P
PE(S) .. MW

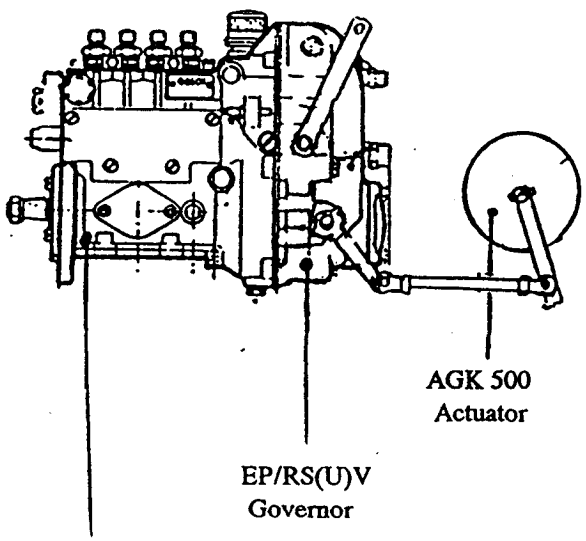
AMBAC INTERNATIONAL AGK2000/1600 actuator is externally linked to R.Bosch RQV type Min-Max governor throttle lever. RQV mechanical governor serves as overspeed protection, set approximately 200 rpm above nominal speed.

Advantage: Fuel pump settings untouched, easy installation

Performance: Actuator dynamic performance slightly dampened, slightly larger transients steady state not influenced.

Reference: K2200-CW

(4) SOLUTION FOR STAND-BY SETS AND OCCASIONAL USE



PE(S) .. A
PE(S) .. P
PE(S) .. MW

AMBAC INTERNATIONAL AGK 500 actuator linked to the stop lever of the R.Bosch EP/RS(U)V variable speed governor. The stop lever return spring removed. The throttle lever max speed stop screw set approximately 200 rpm above nominal speed, and throttle lever blocked against this stop screw. Mechanical governor thus serves as overspeed protection.

Advantage: Fuel pump settings untouched. Easy installation

Note: Only for occasional use. Stop lever not designed for continuous duty. Actuator dynamic performance slightly dampened. Steady state not influenced. Remove return spring from lever to reduce actuator load.

Reference: K500-50