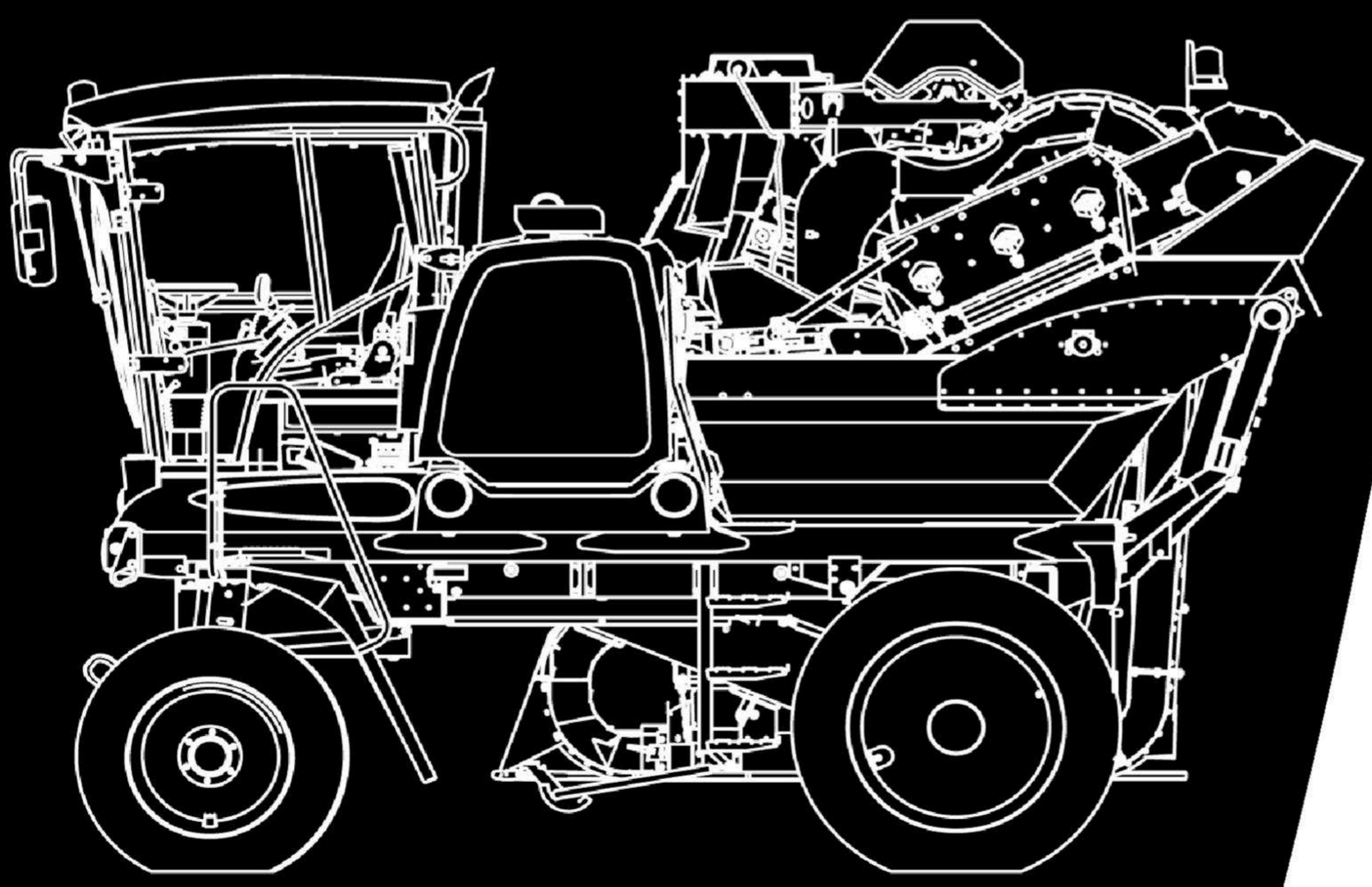
REPAIR MANUAL

NEW HOLLAND
VN 2080



NEW HOLLAND
AGRICULTURE

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REPAIR MANUAL

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SPECIFICATIONS

	Re.		
		THERMAL ENGINE	
		Idling speed	1050 ± 50 rpm for 4 cyl. and 800 ± 50 for 6 cyl.
		Max. empty speed	2500 ± 50 rpm
		Max. speed under load	2300 ± 25 rpm
	132	**SERVICE BLOCK**	
	201	**"REXROTH" INCHING PUMP**	
220	1	Forward range HP	505 - 10 bar at temperature > or = 60°C in the reservoir.
225/ 221	2	Reverse HP pressure	505 - 10 bar at temperature > or = 60°C in the reservoir
220	4	Displacement elimination pressure	480 ± 10 bar at temperature > or = 60°C in the reservoir
219	3	Priming pressure	30 + 2 / -0 bar
	206	**HP BLOCK**	
(*) 219	216	Exchange valve pressure	25 +0/-2 bar at temperature > or = 60°C in the reservoir
(**)	218	Pressure limiter pressure for the RH serial line	480 - 10 bar
(**)	217	Pressure limiter pressure for the LH serial line	480 - 10 bar
136	213 (212)	NORIA limiter pressure (in washing position)	150 ± 5 bar
(***)	222	Braking pressure reduction	20 +2 / -0 bar

(*) *This value is given just as information, because this valve is adjusted for a flow as well, thus its adjustment must not be modified.*

(**) No pressure intake envisaged (see chapter concerning HP block).

(***) Install a pressure gauge on the hose between the HP block and the brake, only for check purposes, as no adjustment screw is available.

(212) It must be exchanged whith (213) to make the adjustment.

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CLEANING CIRCUIT, VN 2080

- Leaf extractors
- Conveyors
- Hopper divider

Electric distributor references are the same of the wiring diagram.

9	Hydraulic filter restriction pressure switch
52	Rear extractor speed adjustment motor
54	Conveyor speed adjustment motor
58	Central extractor speed adjustment motor
98	Divider speed adjustment motor
137	Variable displacement "Rexroth" pump, A10V0, from 0 to 45 cm^3/rev. with integrated max. pressure limiter. Speed like that of the thermal engine.
138	Cleaning pump adjustment hydraulic block
139	Harvesting equipment hydraulic block
140	Pressure balancer to adjust the delivery to the conveyors
141	"EATON" motor, 38.1 cm^3/rev., for central conveyor drive
142	"SAUER" motor, 8 cm^3/rev. for central extractor drive
143	"Minimess" pressure intake
144	Fast pressure fitting
145	Fast fitting to be screwed on the harvesting equipment general return
146	Capacity limiter, 1 mm
147	Motor-driven capacity limiter for conveyors
148	Pressure balancer to adjust the delivery to the rear extractor
149	Pressure limiter to adjust the cleaning pump
150	Motor-driven capacity limiter for rear extractor speed
151	Motor-driven capacity limiter to adjust the cleaning pump
152	"SAUER" motor, 6 cm^3/rev. for rear extractor drive
153	"EATON" motor, 36 cm^3/rev., for cross conveyor drive
154	Hopper divider control hydraulic block
155	Pressure balancer to adjust the delivery to the divider
156	Motor-driven capacity limiter for divider control
157	"EATON" motor, 160 cm^3/rev., for divider drive

In the pump:

b)	Displacement elimination distributor, calibrated at 280 bar
c)	Stand-by pressure balancer, calibrated at 20 + 5 - 0 bar
e1 and e2)	Capacity limiters

EV = solenoid valve

23	Cleaning enabling EV
25	Conveyor control EV in standard direction
45	Conveyor reverse control EV
138	Hopper divider control EV
T	From service circuit (harvesting equipment lifting cylinders)
B	Plug or destemmer supply
RC	Plug or destemmer return

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Fig. 4: SPECIAL ASSEMBLY OF HIGH SHAKERS

Special supports are in the on-board supply kit, but they are used only if the shakers must be installed above the level of the last hole (Installation Instructions for (VN 260) 60480965)

- To install only one shaker on the right top side, use the support (14).
- To install one shaker on each side, over the hole level, use the two supports (15) and (16).

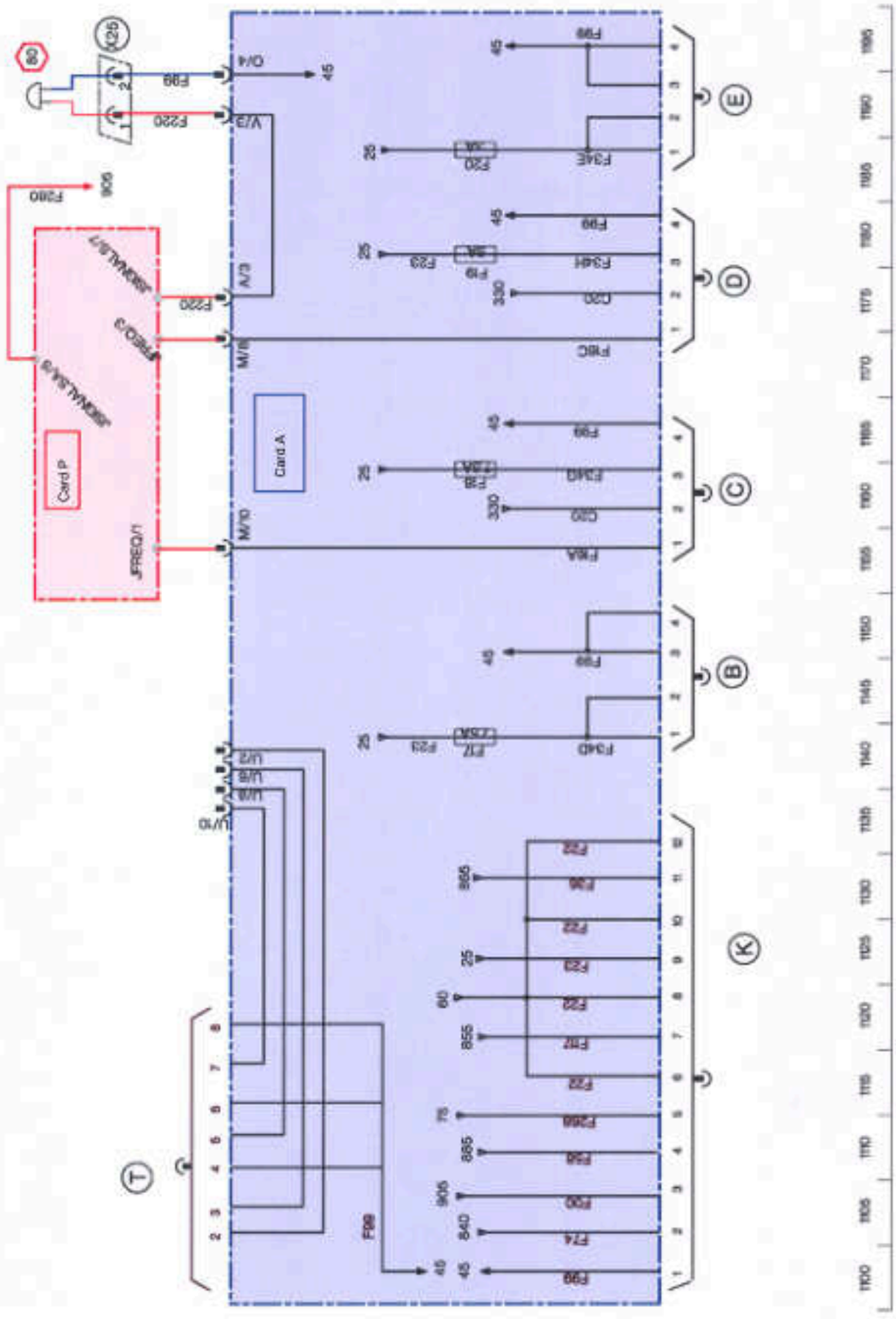
FIG. 5: STONE TRAP

- In some special conditions, the stone traps at the back of the harvesting header should need to be closed.
  Weld the plates (17) in the control units and place the plastic plugs (18).
  Plates (17) and plastic plugs (18) are included in the on-board supply kit.

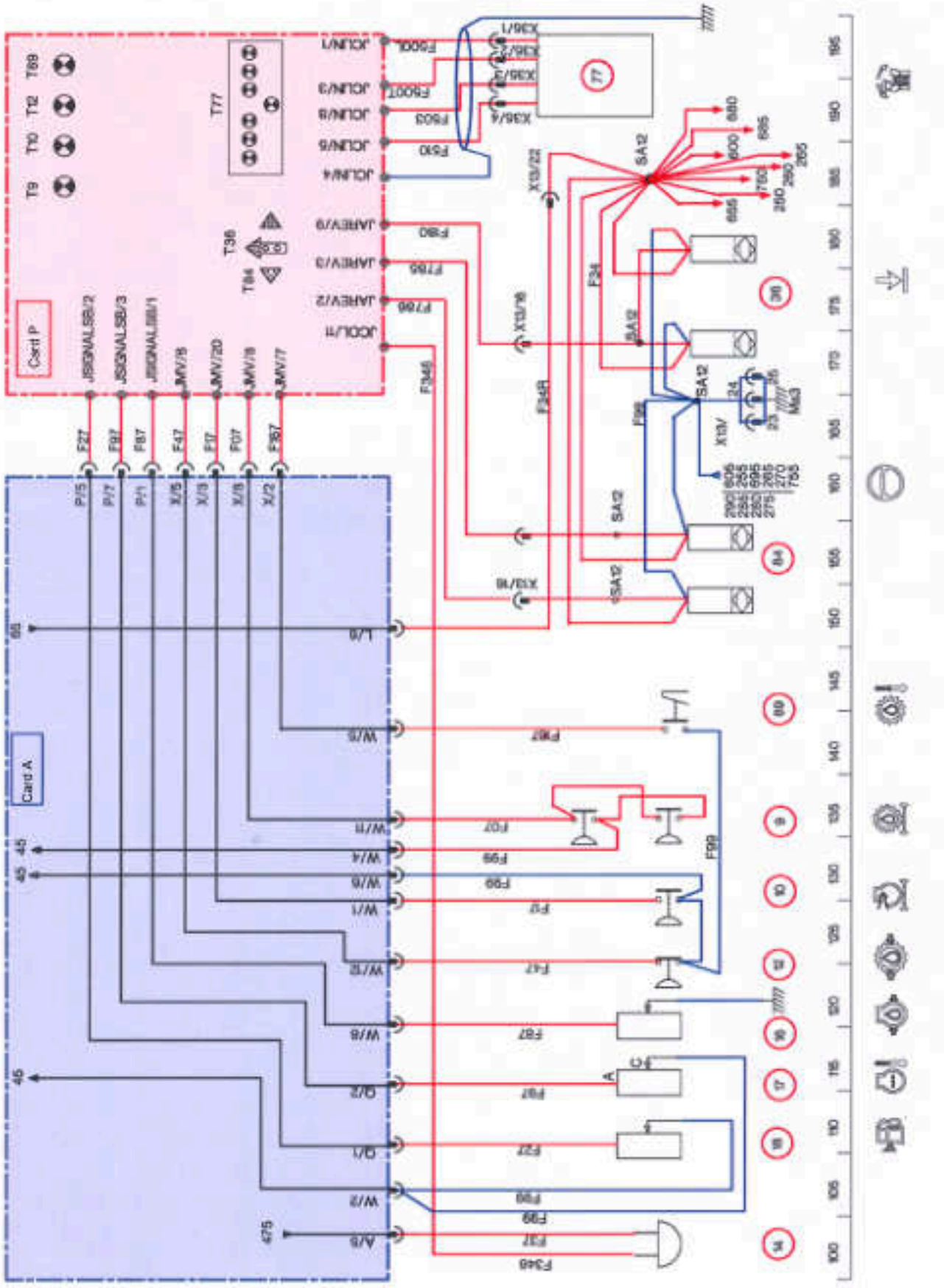
FIG. 6: SHAKER SPECIAL ASSEMBLY, ON THE LEFT BOTTOM SIDE

- The parts required for this assembly are not included in the on-board supply kit; they are included in the kit re. 905110281 - Installation Instructions (VN 260) 60480964.
- Make the shaker slide in the tube (19) and install this assembly in the new rear support (20). At the front, use the new support (21).

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