KRAMER

System Handbook

Telehandlers

2706/KT276



Machine model	418-02
From serial no.	418 02 0011
Version	1.0
Doc. Number	1000363122
Language	[en]

MidWestTech | Wacker Neuson Kramer 2706, KT276 Telehandler System Handbook | Publ... Order the manual at mid-west-tech.com >

8.4 Checking and making adjustments

Preparations

DANGER

Risk of crushing and injuries when boom is raised and not secured!

Before any assembly or maintenance work:

- ► Raise the telescopic boom
- ► Install the safety prop (supplied with the machine) over the piston rod on the extended lift cylinder, and secure it with a bolt
- ► See the Operator's Manual supplied with the telehandler
- ► Unload the hydraulic system by switching off the engine and leaving the ignition on
- ► Disengage the starter and remove the ignition switch key

DANGER

Risk of being scalded or injured when working close to hydraulic components that are hot and/or under pressure

Before removing

- ► Allow the hydraulic system to cool down
- ► Wear safety gloves

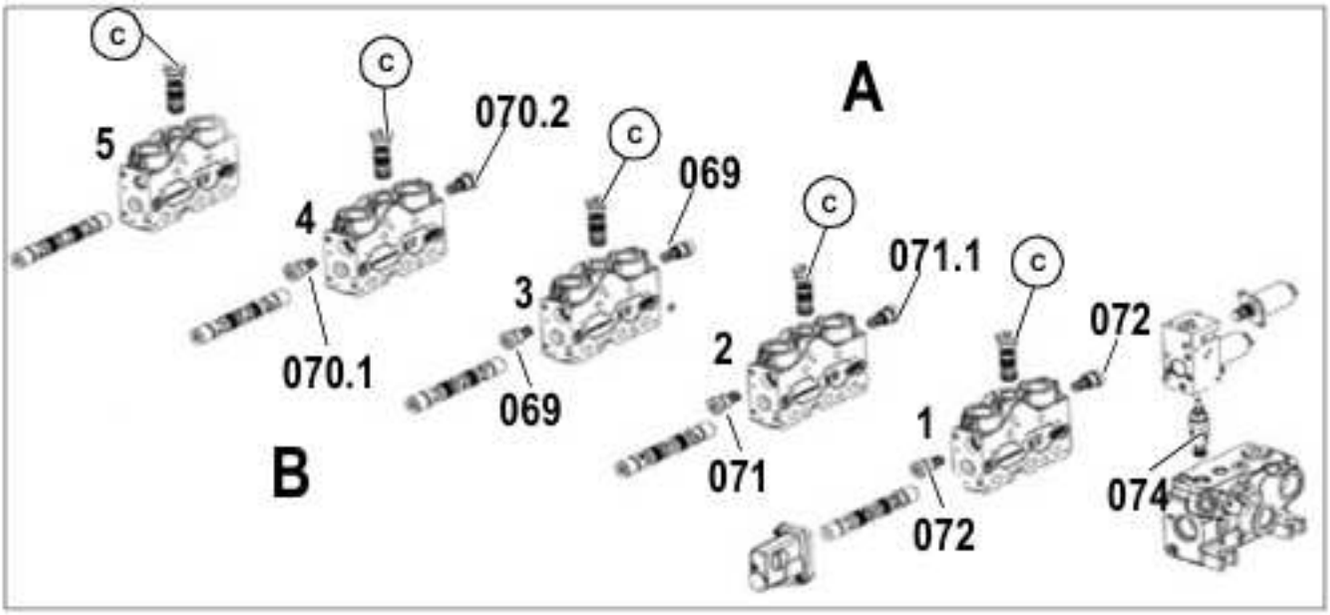
Notice

Damage to property because of work not carried out properly on the hydraulics

- ► In order to ensure that the hydraulics function smoothly, all work must be executed carefully and cleanly.
- ► Before starting with disassembly, clean the assembly area thoroughly also cleaning all hydr. screw connections and ports.

MidWestTech | Wacker Neuson Kramer 2706, KT276 Telehandler System Handbook |... Order the manual at mid-west-tech.com >

Valves from hydraulic control unit XIII

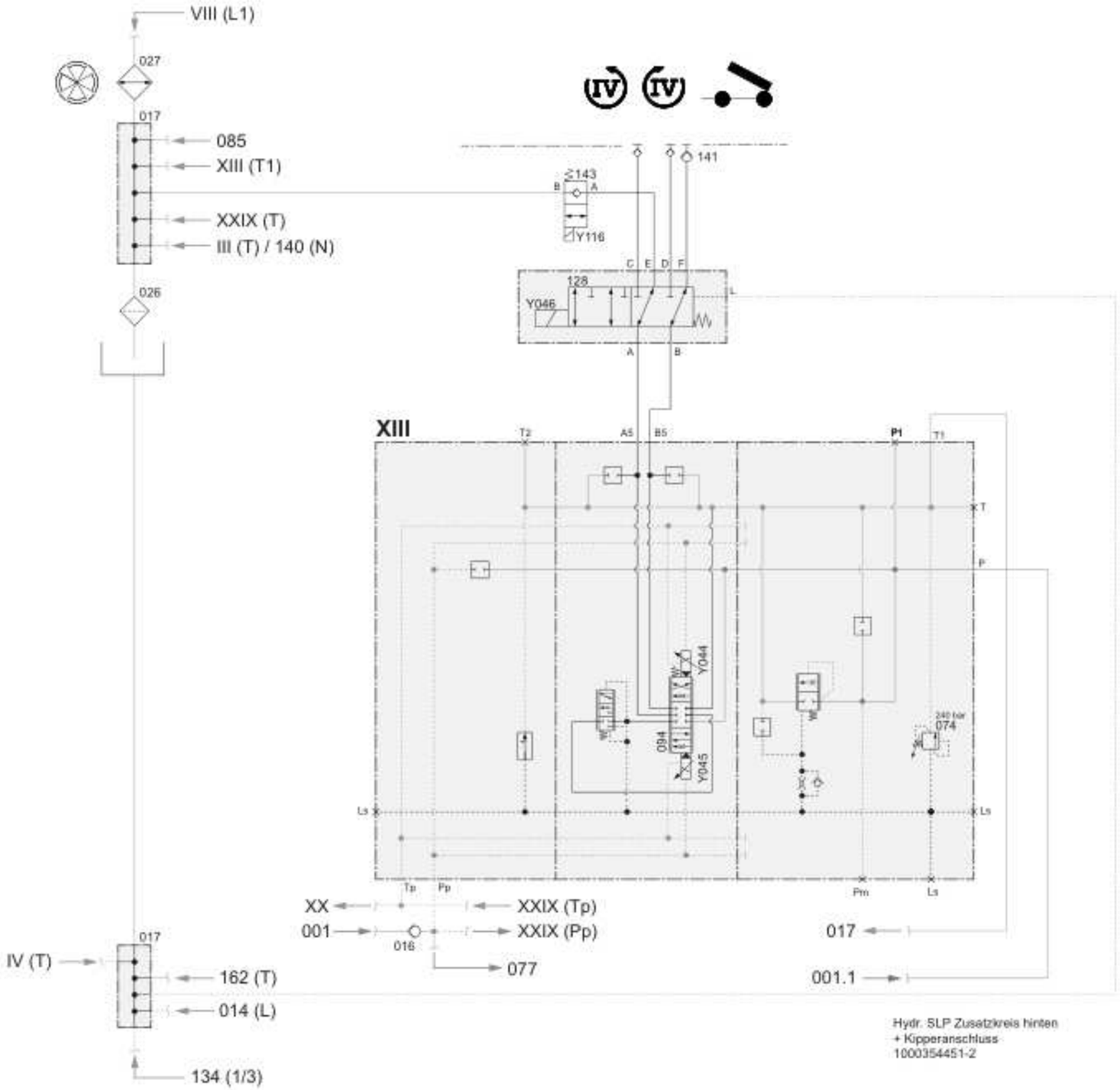


Description: control unit XIII

Pos.	Component	Remarks
1	3rd control circuit section 067	80 l/min (21.10 US gpm)
2	Push-out ram section 066	A2 – 100 l/min (26.4 US gpm) B2 – 80 l/min (21.10 US gpm)
3	Lift ram section 068	100 l/min (26.4 US gpm)
4	Tilt ram section 065	A4 – 100 l/min (26.4 US gpm) B4 – 80 l/min (21.10 US gpm)
5	Section rear additional control circuit Hitch/Tipper 094	80 l/min (21.10 US gpm)
A	Port designation on control valve XIII	Section 1–5 bottom side
B	Port designation on control valve XIII	Section 1–5 rod side
C	Pressure compensators	–
069	Secondary valve for raise lifting cylinder (B)	270–290 bar (3916–4206 psi)
069	Secondary valve for lower lifting cylinder (A)	270–290 bar (3916–4206 psi)
070.1	Secondary valve for tipping cylinder rod side fill shovel (A)	270–290 bar (3916–4206 psi)
070.2	Secondary valve for tipping cylinder bottom side empty shovel (B4)	270–290 bar (3916–4206 psi)
071	Secondary valve for push-out ram Extend bottom side (B)	190–210 bar (2755–3045 psi)
071.1	Secondary valve for push-out ram Retract rod side (A)	270–290 bar (3916–4206 psi)
072	Secondary valve 3rd control circuit, lock/unlock (A/B)	270–290 bar (3916–4206 psi)
074	LS pressure relief valve	240 bar (3480.91 psi)

MidWestTech | Wacker Neuson Kramer 2706, KT276 Telehandler System Handbook |... Order the manual at mid-west-tech.com >

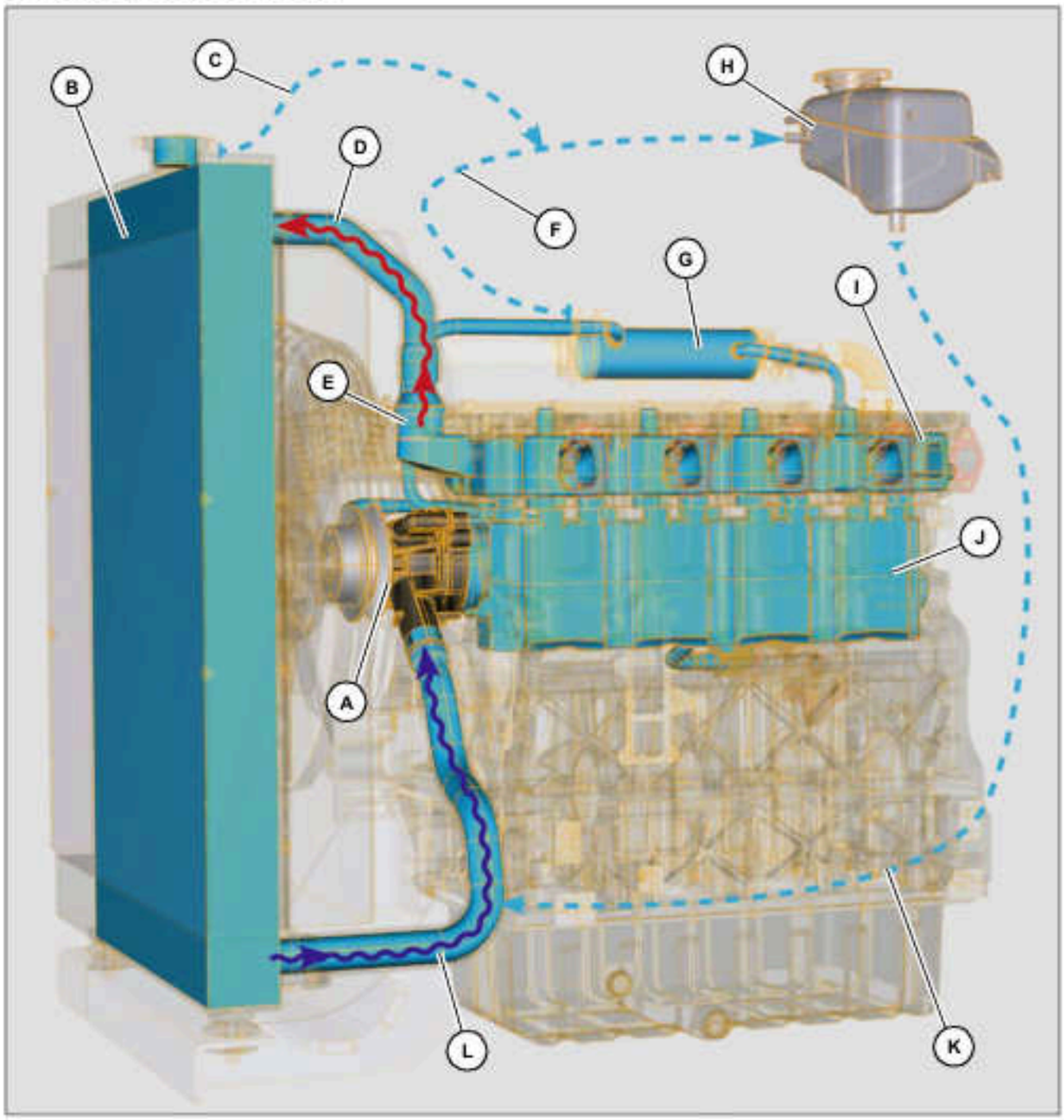
Hydraulic diagram for rear additional circuit + tipper



Hydr. SLP Zusatzkreis hinten
+ Kipperanschluss
1000354451-2

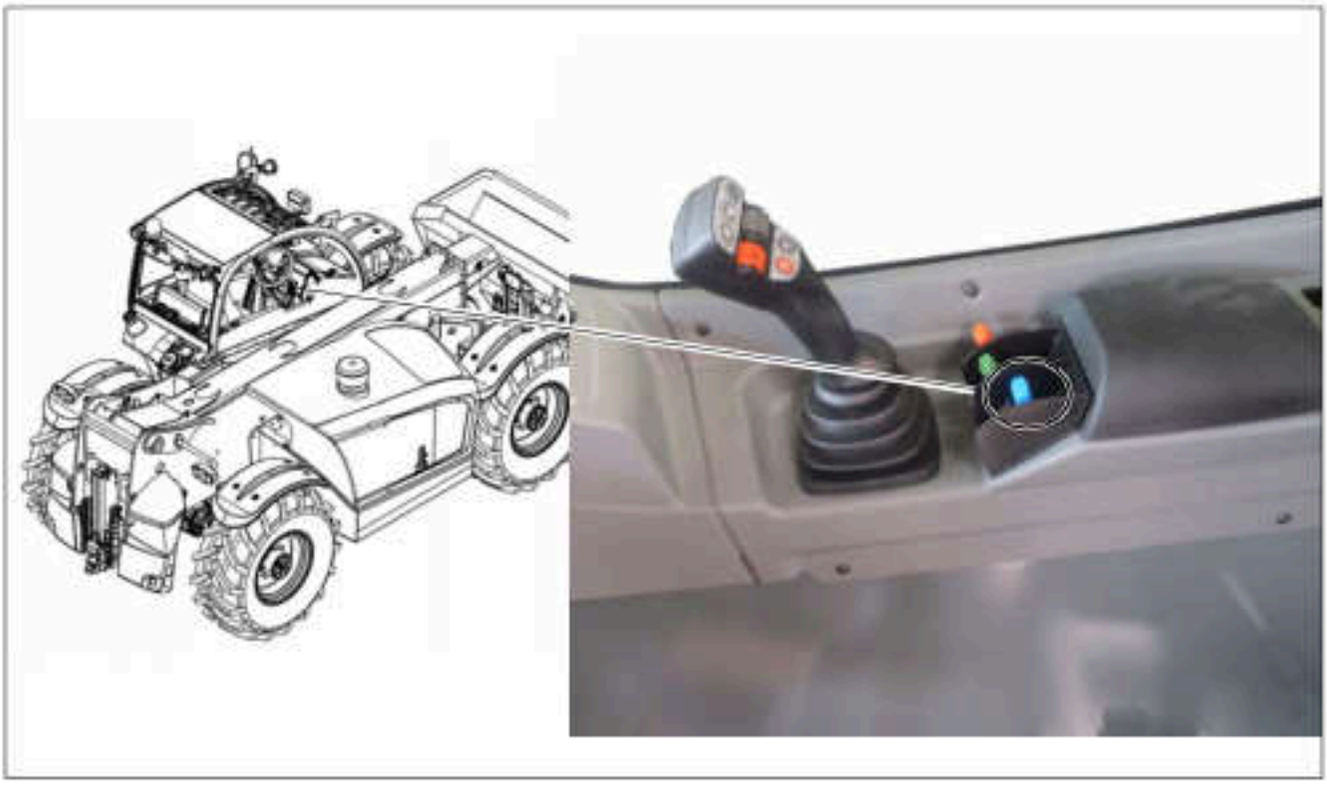
MidWestTech | Wacker Neuson Kramer 2706, KT276 Telehandler System Handbook | Publication 1000363122
Order the manual at mid-west-tech.com >

Coolant system overview

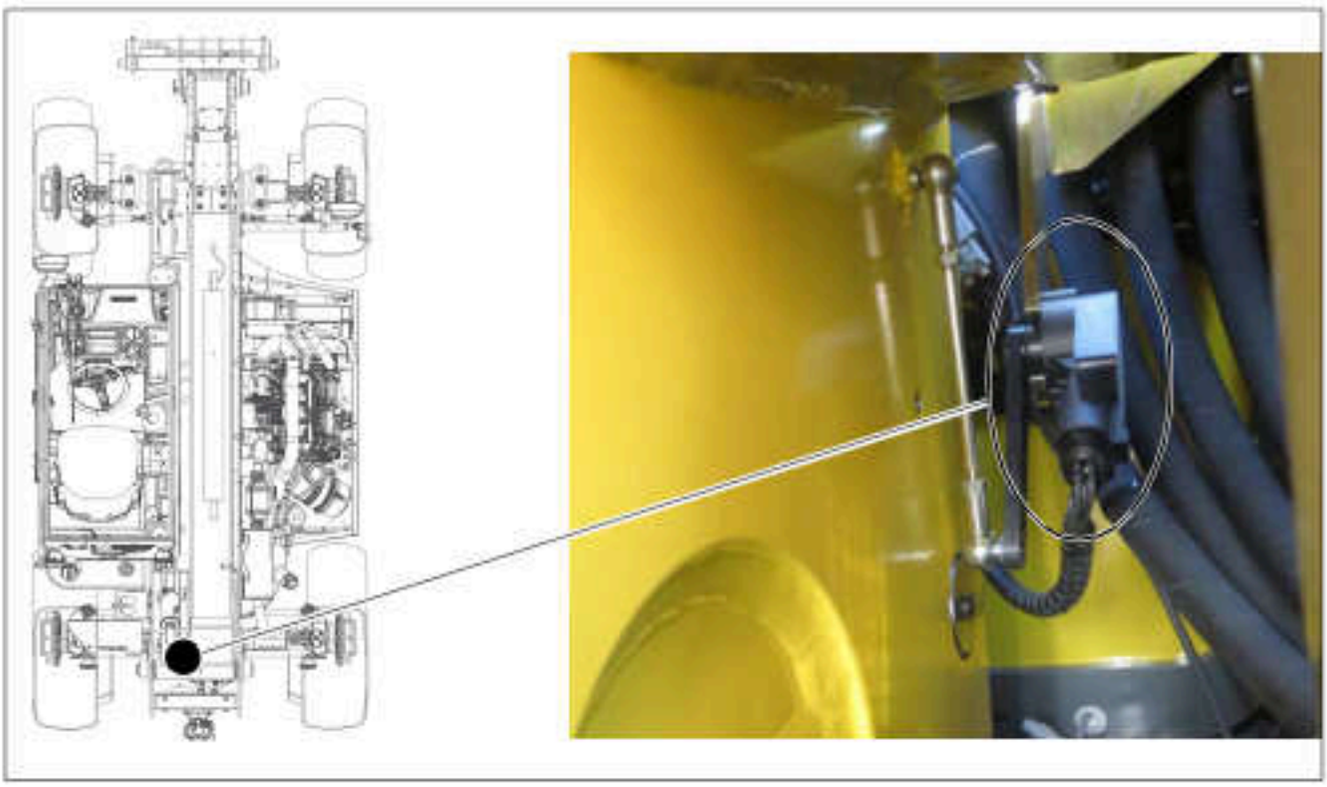


MidWestTech | Wacker Neuson Kramer 2706, KT276 Telehandler System Handbook |... Order the manual at mid-west-tech.com >

Kriegang potentiometer R003



Angle of rotation sensor R023 – lifting arm



MidWestTech | Wacker Neuson Kramer 2706, KT276 Telehandler System Handbook |... Order the manual at mid-west-tech.com >

Code	KNC	Designation	SPN	FMI	Alarm text	Information text What kind of error has occurred?	Error diagnosis text
959	S085	Keypad 1, Touch button 8, lock for long-haul travel	519959	7	Missing response of mechanical system or incorrect setting	S085: Lock for long-haul travel, keypad touch button – mechanics do not respond/jammed actuated	Check the supply voltage of keypad D003: 1. Check the signal line of keypad D003 Pin 1 via fuse F032 (5A) to clamp 15. 2. Check the signal line keypad D003 Pin 2 to ground. 3. Replace keypad.
001		CAN Reception Keypad 2 optional error	520001	9	Abnormal update rate	0xC9: Operating mode, Can bus keypad- time-out / abnormal clock rate	1. Ignition change. 2. Check the terminal resistance from CAN 1 on diagnostic connector X001 between Pin 4 (CAN 1 H) and Pin 3 (CAN 1 L). This should be 120 ohm.
002	S047	Keypad 2, Touch button 1, tipping cylinder lock	520002	7	Missing response of mechanical system or incorrect setting	S047: Tipping cylinder lock, keypad touch button – mechanics do not respond/jammed actuated	Check the supply voltage of keypad D004: 1. Check the signal line of keypad D004 Pin 1 via fuse F032 (5A) to clamp 15. 2. Check the signal line keypad D004 Pin 2 to ground. 3. Replace keypad.
003	S044	Keypad 2, Touch button 2, load stabiliser	520003	7	Missing response of mechanical system or incorrect setting	S044: Load stabiliser, keypad touch button – mechanics do not respond/jammed actuated	Check the supply voltage of keypad D004: 1. Check the signal line of keypad D004 Pin 1 via fuse F032 (5A) to clamp 15. 2. Check the signal line keypad D004 Pin 2 to ground. 3. Replace keypad.
004	S064	Keypad 2, Touch button 3, reversing fan	520004	7	Missing response of mechanical system or incorrect setting	S064: Reversing fan, keypad touch button – mechanics do not respond/jammed actuated	Check the supply voltage of keypad D004: 1. Check the signal line of keypad D004 Pin 1 via fuse F032 (5A) to clamp 15. 2. Check the signal line keypad D004 Pin 2 to ground. 3. Replace keypad.
005	S018	Keypad 2, Touch button 4, rotating beacon	520005	7	Missing response of mechanical system or incorrect setting	S018: Rotating beacon, keypad touch button – mechanics do not respond/jammed actuated	Check the supply voltage of keypad D004: 1. Check the signal line of keypad D004 Pin 1 via fuse F032 (5A) to clamp 15. 2. Check the signal line keypad D004 Pin 2 to ground. 3. Replace keypad.
006	S180	Keypad 2, Touch button 5, continuous operation front socket Signal 2 or not assigned	520006	7	Missing response of mechanical system or incorrect setting	S180 (assignment of the keypad depends on selected options): front socket, keypad touch button – mechanics do not respond/jammed actuated	Check the supply voltage of keypad D004: 1. Check the signal line of keypad D004 Pin 1 via fuse F032 (5A) to clamp 15. 2. Check the signal line keypad D004 Pin 2 to ground. 3. Replace keypad.
007	S179 S027	Keypad 2, Touch button 6, continuous operation front socket Signal 1 or 14-pole front socket circuit selection (from, 1, 2, 3)	520007	7	Missing response of mechanical system or incorrect setting	S179/S027 (assignment of the keypad depends on selected options): front socket, keypad touch button – mechanics do not respond/ jammed actuated	Check the supply voltage of keypad D004: 1. Check the signal line of keypad D003 Pin 1 via fuse F032 (5A) to clamp 15. 2. Check the signal line keypad D003 Pin 2 to ground. 3. Replace keypad.
008	S182	Keypad 2, Touch button 7, tipping operation front socket Signal 2 or not assigned	520008	7	Missing response of mechanical system or incorrect setting	S182 (assignment of the keypad depends on selected options): front socket, keypad touch button – mechanics do not respond/jammed actuated	Check the supply voltage of keypad D004: 1. Check the signal line of keypad D004 Pin 1 via fuse F032 (5A) to clamp 15. 2. Check the signal line keypad D004 Pin 2 to ground. 3. Replace keypad.
009	S181	Keypad 2, Touch button 8, tipping operation front socket Signal 1 or not assigned	520009	7	Missing response of mechanical system or incorrect setting	S181 (assignment of the keypad depends on selected options): front socket, keypad touch button – mechanics do not respond/jammed actuated	Check the supply voltage of keypad D004: 1. Check the signal line of keypad D004 Pin 1 via fuse F032 (5A) to clamp 15. 2. Check the signal line keypad D004 Pin 2 to ground. 3. Replace keypad.
051		CAN Reception Keypad 2 optional error	520051	9	Abnormal update rate	0xCA: Operating mode, Can-Bus keypad- time-out/abnormal clock rate	1. Ignition change. 2. Check the terminal resistance from CAN 1 on diagnostic connector X001 between Pin 4 (CAN 1 H) and Pin 3 (CAN 1 L). This should be 120 ohm.

MidWestTech | Wacker Neuson Kramer 2706, KT276 Telehandler System Handbook | Publication 1000363122
Order the manual at mid-west-tech.com >