WACKER NEUSON

Repair Handbook

Telehandlers

TH627



Machine model	418-02
From serial no.	418 02 0011
Version	2.0
Document number	1000363128
Language	[en]

MidWestTech | Wacker Neuson TH627 Telehandler Repair Handbook | Publication 100036... Order the manual at mid-west-tech.com >

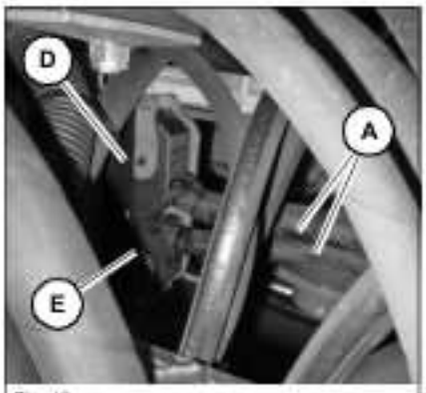


Fig. 10

35. Release and disconnect plug **D** and plug **E** of the engine wire harness **A** in the tunnel center.
36. Unscrew earth cable.



Fig. 11

37. Pull the engine wire harness **A** out upwards, place on the engine and secure.

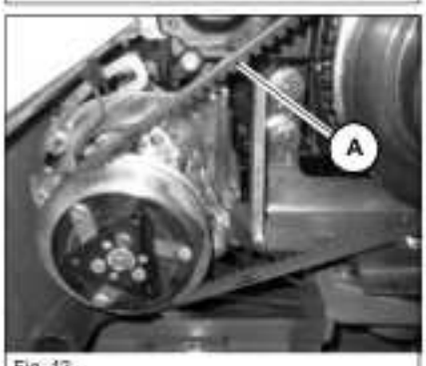


Fig. 12

Air conditioning compressor:

38. Relax fan belt **A** of the air conditioning compressor – *see "Removing the V-belt air conditioning (opt)" on page 1-84.*

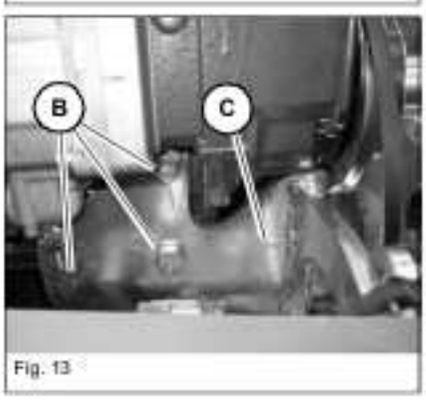


Fig. 13

39. Remove screws **B** of the air conditioning compressor bracket **C**.
40. Place air conditioning compressor with bracket **C** at the bottom of the engine vat.

MidWestTech | Wacker Neuson TH627 Telehandler Repair Handbook | Publication 10... Order the manual at mid-west-tech.com >

Remove/install intermediate gearbox

Information

Before starting work, take safety and instructions into consideration

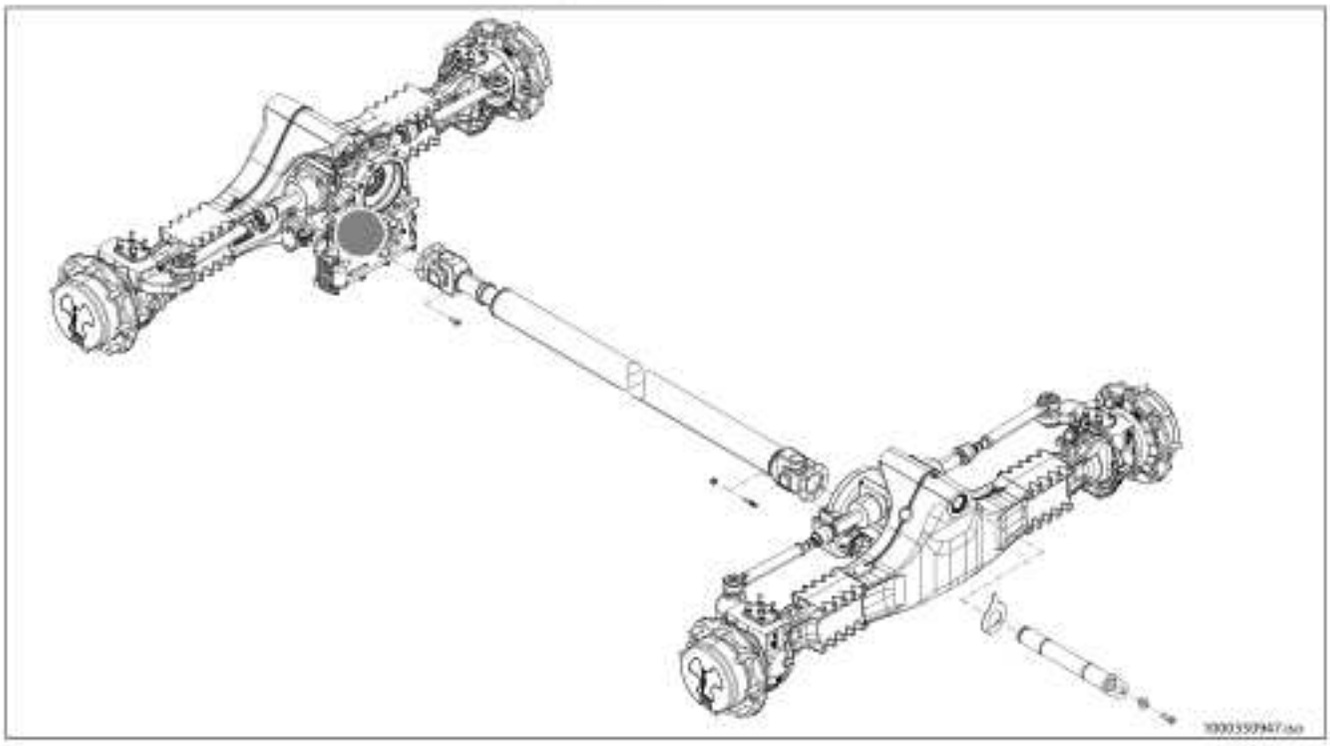
– see "Notes on the repair manual" on page E-1,
– see "Safety instructions" on page E-5,
– see "Maintenance preparations, instructions" on page 1-1!

Preparing work

Tools:

- Movable car jack, load-bearing capacity min. 5000 kg (11,023 lb)
- 2x axle stands, load-bearing capacity of min. 5000 kg (11,023 lb)
- Suitable lifting gear, minimum load-bearing capacity 5000 kg (11,020 lb)
- Suitable slings (cables and shackles) with corresponding load-bearing capacity
- Suitable receptacle for the hydraulic oil/gearbox oil
- Plugs (different sizes) for closing the oil lines
- Special tools

Technical data



Weight	BMK	Remark/designation
14.3 kg (31.5 lb)		Gearbox housing (at the cardan shaft)
16.1 kg (35.4 lb)		Gearbox housing (at the axle)
For non-specified tightening torques, see chapter "Introduction/tightening torques"		

MidWestTech | Wacker Neuson TH627 Telehandler Repair Handbook | Publication 10... Order the manual at mid-west-tech.com >



Fig. 183

37. Remove the safeguard against uncontrolled movement of the oscillating axle **A**.

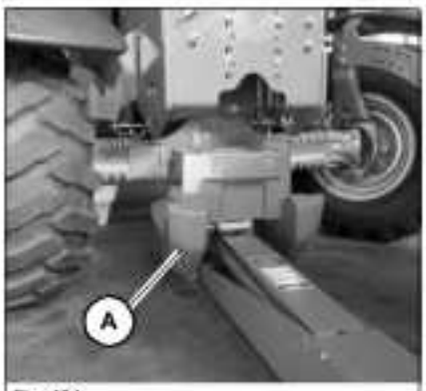


Fig. 184

38. Lift ballast weight **A** using a suitable car jack centrally under the frame.
39. Mount nuts on ballast weight **A**.
40. Remove car-hitch – *see "Install" on page 17-4.*
41. Fill axle with oil – *see "Change oil in differential (rear axle)" on page 1-116.*
42. Mount cardan shaft from rear axle – *see "Install" on page 4-18.*
43. Mount the underride protection – *see "Remove/install underride protection (closed)" on page 12-12.*
44. Switch on battery master switch **S008** – *see "Battery master switch S008" on page 1-4.*
45. Vent brake – *see "Change and vent the brake fluid" on page 1-124.*

MidWestTech | Wacker Neuson TH627 Telehandler Repair Handbook | Publication 10... Order the manual at mid-west-tech.com >

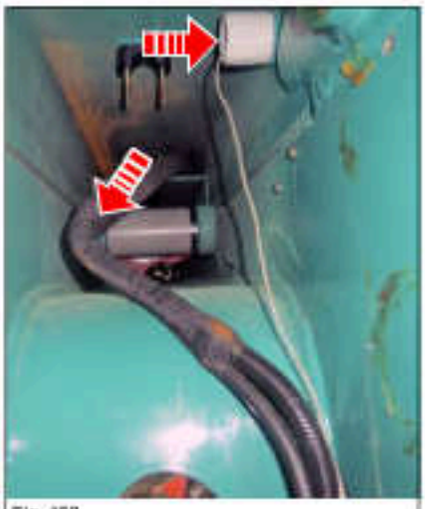


Fig. 160

Installing the cables:

8. Pull the wiring harness from the front into the telescopic boom by the pull cord.
9. Pull the wiring harness with pull cord outward.

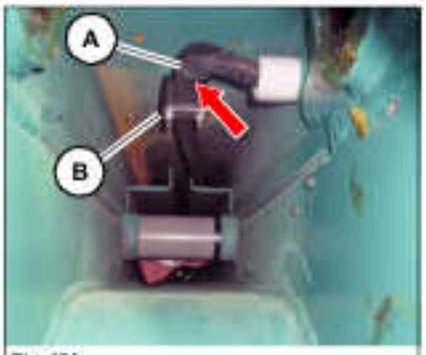


Fig. 161

10. Mount the wiring harness **A** with clamp **B** at the marked point.



Fig. 162

At both cable plugs in succession:

11. Individually crimp the cables (slot, cable color and cable number, see note) until it audibly locks into place.

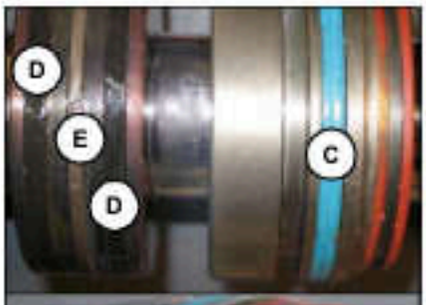


Fig. 163

12. Mount the cover at both cable plugs.

MidWestTech | Wacker Neuson TH627 Telehandler Repair Handbook | Publication 10...

Order the manual at mid-west-tech.com >



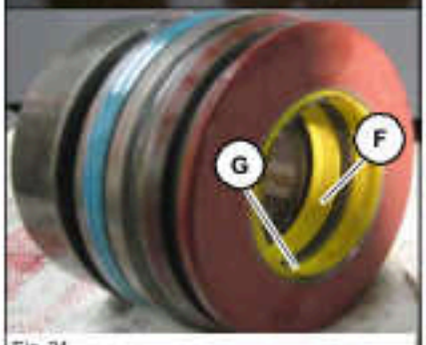


Fig. 31

Reinstall

Information

Bear in mind the installation position of piston rod!
Replace the piston rod seal as well as seals in the guide bushing with new ones and grease them before inserting them into the cylinder jacket.

1. Insert new piston rod seal **F** into the guide bushing with the higher part at the back.
2. Insert new stripper **G** into the guide bushing with the higher part at the front.
3. Heat new piston rod seal in warm water before installing it.
4. Insert piston rod seal **E**.
5. Insert guide straps **D** for piston rod.
6. Insert rubber seal **C** for guide bushing.

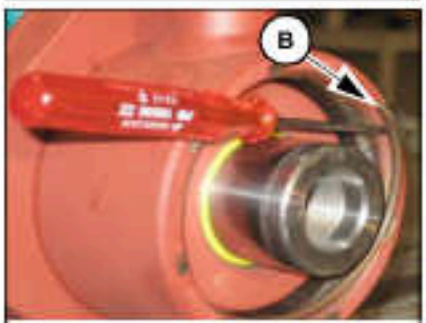


Fig. 32

7. Insert piston rod with guide bushing.
   ➥ When inserting the piston rod, keep an eye on the installation position: the spanner flat of the piston rod is opposite the mounting surface of the cylinder jacket.
8. Insert circlip **B**.

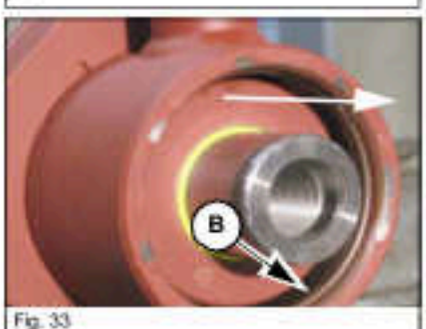


Fig. 33

9. Push the guide bushing outwards as far as it will go up to the retaining ring **B**.

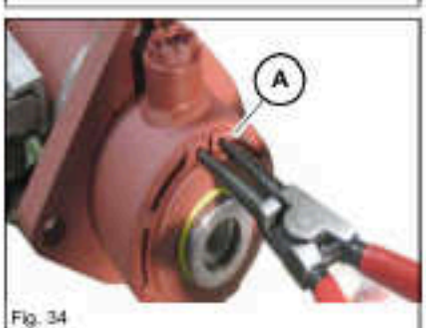


Fig. 34

10. Insert circlip **A**.

MidWestTech | Wacker Neuson TH627 Telehandler Repair Handbook | Publication 10... Order the manual at mid-west-tech.com >