# Tennant T7

Record observations for service. This sheet does not diagnose or authorize repairs.

**Use only information already available from a safely stopped machine.** Do not run a faulty machine to complete this sheet. Follow the matched manual and workplace shutdown procedure; do not open protected parts, bypass interlocks or test live circuits.

## 1 Identify the machine and document

Full model / product or order number

Date / reporter (keep private)

Serial / asset reference (share privately)

Power / deck / panel / fitted options

Manual number / revision / region / page

## 2 Capture the existing symptom

Beep count per repeating group; pause; exact indicator combination; Forward / Reverse state already observed.

Exact message / code / indicator / beep pattern

What happened, when it began, and which functions still worked

Visible pattern / operating context / recent changes

## 3 Separate observations from a suspected cause

What was actually observed (include what is unknown)

Any earlier action, who performed it, and the result (or write None)

## 4 Prepare the handoff

Question for qualified service / source correction needed

**Scope reminder:** Original T7 only; T7+ is excluded. Later controller/software changes and exact serial coverage are unconfirmed. The legacy alarm table is not evidence about the most frequent real-world cause.

**Document references:** 331045, Rev. 00 (12-2004), printed p. 25; PDF p. 29; 331040, Rev. 11 (02-2024), printed pp. 2-3; PDF pp. 4-5.

**Open model reference, source links and safety limits** | Equipment Help

Model reference

# Tennant T300

Record observations for service. This sheet does not diagnose or authorize repairs.

**Use only information already available from a safely stopped machine.** Do not run a faulty machine to complete this sheet. Follow the matched manual and workplace shutdown procedure; do not open protected parts, bypass interlocks or test live circuits.

## 1 Identify the machine and document

Full model / product or order number

Date / reporter (keep private)

Serial / asset reference (share privately)

Power / deck / panel / fitted options

Manual number / revision / region / page

## 2 Capture the existing symptom

Control panel type; scrub-head type; wet trail or narrow streaks; recovery-tank status already known.

Exact message / code / indicator / beep pattern

What happened, when it began, and which functions still worked

Visible pattern / operating context / recent changes

## 3 Separate observations from a suspected cause

What was actually observed (include what is unknown)

Any earlier action, who performed it, and the result (or write None)

## 4 Prepare the handoff

Question for qualified service / source correction needed

**Scope reminder:** T300 only. Do not transfer this reference to T300e. Deck, control panel, battery and individual serial applicability must be matched; the list is not a diagnosis or ranking.

**Document references:** 9014501, Rev. 06 (09-2024), printed p. 49; PDF p. 49; Same manual, printed pp. 4-5; PDF pp. 4-5.

**Open model reference, source links and safety limits** | Equipment Help

Model reference

# Nilfisk / Advance SC500

Record observations for service. This sheet does not diagnose or authorize repairs.

**Use only information already available from a safely stopped machine.** Do not run a faulty machine to complete this sheet. Follow the matched manual and workplace shutdown procedure; do not open protected parts, bypass interlocks or test live circuits.

## 1 Identify the machine and document

Full model / product or order number

Date / reporter (keep private)

Serial / asset reference (share privately)

Power / deck / panel / fitted options

Manual number / revision / region / page

## 2 Capture the existing symptom

Full product number; battery option; alarm text; pickup, solution flow or streaking; which function changed.

Exact message / code / indicator / beep pattern

What happened, when it began, and which functions still worked

Visible pattern / operating context / recent changes

## 3 Separate observations from a suspected cause

What was actually observed (include what is unknown)

Any earlier action, who performed it, and the result (or write None)

## 4 Prepare the handoff

Question for qualified service / source correction needed

**Scope reminder:** The cited cover lists 9087352020 and 9087353020. Application to US lithium-ion SKU 56394690 is unconfirmed. Regional manual 9099974000 is a separate document and is not the source of this alarm table.

**Document references:** 9099980000, 11/14 (1), printed p. 26; PDF p. 28; Same manual, printed pp. 4-5; PDF pp. 6-7.

**Open model reference, source links and safety limits** | Equipment Help

Model reference

# Kärcher B 50 W Bp

Record observations for service. This sheet does not diagnose or authorize repairs.

**Use only information already available from a safely stopped machine.** Do not run a faulty machine to complete this sheet. Follow the matched manual and workplace shutdown procedure; do not open protected parts, bypass interlocks or test live circuits.

## 1 Identify the machine and document

Full model / product or order number

Date / reporter (keep private)

Serial / asset reference (share privately)

Power / deck / panel / fitted options

Manual number / revision / region / page

## 2 Capture the existing symptom

Order number; R55 / O51 or other deck; full display message; low suction versus low water flow.

Exact message / code / indicator / beep pattern

What happened, when it began, and which functions still worked

Visible pattern / operating context / recent changes

## 3 Separate observations from a suspected cause

What was actually observed (include what is unknown)

Any earlier action, who performed it, and the result (or write None)

## 4 Prepare the handoff

Question for qualified service / source correction needed

**Scope reminder:** Match the full order number, deck and battery package. R55, O51, D51 and D60 are not interchangeable records. Exact serial coverage and component compatibility remain unconfirmed.

**Document references:** 59787140 (07/25), printed p. 21; PDF p. 21; Same manual, printed p. 22; PDF p. 22.

**Open model reference, source links and safety limits** | Equipment Help

Model reference

# Tennant T600

Record observations for service. This sheet does not diagnose or authorize repairs.

**Use only information already available from a safely stopped machine.** Do not run a faulty machine to complete this sheet. Follow the matched manual and workplace shutdown procedure; do not open protected parts, bypass interlocks or test live circuits.

## 1 Identify the machine and document

Full model / product or order number

Date / reporter (keep private)

Serial / asset reference (share privately)

Power / deck / panel / fitted options

Manual number / revision / region / page

## 2 Capture the existing symptom

T600 or T600e; control panel; full hexadecimal code including leading zeros; pickup versus solution flow.

Exact message / code / indicator / beep pattern

What happened, when it began, and which functions still worked

Visible pattern / operating context / recent changes

## 3 Separate observations from a suspected cause

What was actually observed (include what is unknown)

Any earlier action, who performed it, and the result (or write None)

## 4 Prepare the handoff

Question for qualified service / source correction needed

**Scope reminder:** The displayed hexadecimal examples use the T600 table. Do not apply them to the separate T600e panel table. Match deck, panel, battery, options and serial number.

**Document references:** 4024351, Rev. 07 (05-2026), printed p. 41; PDF p. 41; Same manual, printed p. 42; PDF p. 42.

**Open model reference, source links and safety limits** | Equipment Help

Model reference

# Tennant T500 / T500e

Record observations for service. This sheet does not diagnose or authorize repairs.

**Use only information already available from a safely stopped machine.** Do not run a faulty machine to complete this sheet. Follow the matched manual and workplace shutdown procedure; do not open protected parts, bypass interlocks or test live circuits.

## 1 Identify the machine and document

Full model / product or order number

Date / reporter (keep private)

Serial / asset reference (share privately)

Power / deck / panel / fitted options

Manual number / revision / region / page

## 2 Capture the existing symptom

Copy T500 or T500e exactly; control panel; steady versus flashing LED positions; pickup versus solution flow.

Exact message / code / indicator / beep pattern

What happened, when it began, and which functions still worked

Visible pattern / operating context / recent changes

## 3 Separate observations from a suspected cause

What was actually observed (include what is unknown)

Any earlier action, who performed it, and the result (or write None)

## 4 Prepare the handoff

Question for qualified service / source correction needed

**Scope reminder:** This article now uses the T500 manual linked under North America - English (United States) on Tennant's official T500 product page. T500e has a separate operator manual. Match the actual panel, scrub head, battery and fitted options; an individual serial-number match has not been established.

**Document references:** 9015223, Rev. 07 (07-2024), printed pp. 32-33; PDF pp. 32-33; Same manual, printed p. 54; PDF p. 54.

**Open model reference, source links and safety limits** | Equipment Help

Model reference

# Tennant T12

Record observations for service. This sheet does not diagnose or authorize repairs.

**Use only information already available from a safely stopped machine.** Do not run a faulty machine to complete this sheet. Follow the matched manual and workplace shutdown procedure; do not open protected parts, bypass interlocks or test live circuits.

## 1 Identify the machine and document

Full model / product or order number

Date / reporter (keep private)

Serial / asset reference (share privately)

Power / deck / panel / fitted options

Manual number / revision / region / page

## 2 Capture the existing symptom

Full fault text and code; region / configuration; function that stopped; whether a separate warning appeared.

Exact message / code / indicator / beep pattern

What happened, when it began, and which functions still worked

Visible pattern / operating context / recent changes

## 3 Separate observations from a suspected cause

What was actually observed (include what is unknown)

Any earlier action, who performed it, and the result (or write None)

## 4 Prepare the handoff

Question for qualified service / source correction needed

**Scope reminder:** Both regional manuals show T12 and T12XP in the fault section. Their selected F-code meanings agree; this does not make every procedure interchangeable. Match the regional edition, battery option and machine data plate. Individual serial applicability remains unconfirmed.

**Document references:** 9009910, Rev. 11 (12-2024), printed p. 34; PDF p. 36; 9009918, Rev. 10 (06-2025), Europe edition, printed p. 34; PDF p. 36.

**Open model reference, source links and safety limits** | Equipment Help

Model reference

# Advance SC750 / SC800

Record observations for service. This sheet does not diagnose or authorize repairs.

**Use only information already available from a safely stopped machine.** Do not run a faulty machine to complete this sheet. Follow the matched manual and workplace shutdown procedure; do not open protected parts, bypass interlocks or test live circuits.

## 1 Identify the machine and document

Full model / product or order number

Date / reporter (keep private)

Serial / asset reference (share privately)

Power / deck / panel / fitted options

Manual number / revision / region / page

## 2 Capture the existing symptom

SC750 or SC800; model number; pickup versus no solution flow; tank status and visible hose / squeegee condition.

Exact message / code / indicator / beep pattern

What happened, when it began, and which functions still worked

Visible pattern / operating context / recent changes

## 3 Separate observations from a suspected cause

What was actually observed (include what is unknown)

Any earlier action, who performed it, and the result (or write None)

## 4 Prepare the handoff

Question for qualified service / source correction needed

**Scope reminder:** Limited to the SC750/SC800 and ST model numbers on the cover. Match the full model number and deck; REV and cylindrical options have separate entries. Serial coverage and later revisions are unconfirmed.

**Document references:** Form 56041820, 7/10 revised 11/12, printed A-23; PDF p. 23; Same manual, printed A-4-A-5; PDF pp. 4-5.

**Open model reference, source links and safety limits** | Equipment Help

Model reference

# Clarke Focus II Mid-Size

Record observations for service. This sheet does not diagnose or authorize repairs.

**Use only information already available from a safely stopped machine.** Do not run a faulty machine to complete this sheet. Follow the matched manual and workplace shutdown procedure; do not open protected parts, bypass interlocks or test live circuits.

## 1 Identify the machine and document

Full model / product or order number

Date / reporter (keep private)

Serial / asset reference (share privately)

Power / deck / panel / fitted options

Manual number / revision / region / page

## 2 Capture the existing symptom

Full Focus II variant and model number; Mid-Size deck option; wet-floor pattern and visible recovery components.

Exact message / code / indicator / beep pattern

What happened, when it began, and which functions still worked

Visible pattern / operating context / recent changes

## 3 Separate observations from a suspected cause

What was actually observed (include what is unknown)

Any earlier action, who performed it, and the result (or write None)

## 4 Prepare the handoff

Question for qualified service / source correction needed

**Scope reminder:** Mid-Size only; Compact and Rider are excluded. The manual cover does not list current BOOST28 SKU 05371A. Compatibility with that SKU or any individual serial number is unconfirmed.

**Document references:** Form 71483A, 12/08 revised 10/12, printed p. 25; PDF p. 25; Same manual, printed pp. 3-4; PDF pp. 3-4.

**Open model reference, source links and safety limits** | Equipment Help

Model reference

# Tennant S20 Battery

Record observations for service. This sheet does not diagnose or authorize repairs.

**Use only information already available from a safely stopped machine.** Do not run a faulty machine to complete this sheet. Follow the matched manual and workplace shutdown procedure; do not open protected parts, bypass interlocks or test live circuits.

## 1 Identify the machine and document

Full model / product or order number

Date / reporter (keep private)

Serial / asset reference (share privately)

Power / deck / panel / fitted options

Manual number / revision / region / page

## 2 Capture the existing symptom

Battery power confirmed; standard or HEPA equipment if known; escaping dust versus debris left behind.

Exact message / code / indicator / beep pattern

What happened, when it began, and which functions still worked

Visible pattern / operating context / recent changes

## 3 Separate observations from a suspected cause

What was actually observed (include what is unknown)

Any earlier action, who performed it, and the result (or write None)

## 4 Prepare the handoff

Question for qualified service / source correction needed

**Scope reminder:** Battery S20 only; Gas/LPG and diesel machines are excluded. HEPA and wet side-brush dust control apply only when fitted. Individual serial and replacement-part applicability are unconfirmed.

**Document references:** 9006704, Rev. 13 (02-2022), printed p. 32; PDF p. 34; Same manual, printed p. 33; PDF p. 35.

**Open model reference, source links and safety limits** | Equipment Help

Model reference

# Tennant 1610

Record observations for service. This sheet does not diagnose or authorize repairs.

**Use only information already available from a safely stopped machine.** Do not run a faulty machine to complete this sheet. Follow the matched manual and workplace shutdown procedure; do not open protected parts, bypass interlocks or test live circuits.

## 1 Identify the machine and document

Full model / product or order number

Date / reporter (keep private)

Serial / asset reference (share privately)

Power / deck / panel / fitted options

Manual number / revision / region / page

## 2 Capture the existing symptom

Exact model; selected cleaning mode; spray versus water recovery; affected side or cleaning path.

Exact message / code / indicator / beep pattern

What happened, when it began, and which functions still worked

Visible pattern / operating context / recent changes

## 3 Separate observations from a suspected cause

What was actually observed (include what is unknown)

Any earlier action, who performed it, and the result (or write None)

## 4 Prepare the handoff

Question for qualified service / source correction needed

**Scope reminder:** 1610 only. ReadySpace, extraction and accessory operation are distinct. The accessory note before 10243221 and flow-diagram split at 10314332 do not establish whole-machine compatibility. Exact serial applicability remains unconfirmed.

**Document references:** 9003458, Rev. 00 (04-2007), printed p. 24; PDF p. 24; Same manual, printed p. 25; PDF p. 25.

**Open model reference, source links and safety limits** | Equipment Help

Model reference

# Kärcher Armada BRC 40/22 C

Record observations for service. This sheet does not diagnose or authorize repairs.

**Use only information already available from a safely stopped machine.** Do not run a faulty machine to complete this sheet. Follow the matched manual and workplace shutdown procedure; do not open protected parts, bypass interlocks or test live circuits.

## 1 Identify the machine and document

Full model / product or order number

Date / reporter (keep private)

Serial / asset reference (share privately)

Power / deck / panel / fitted options

Manual number / revision / region / page

## 2 Capture the existing symptom

Order number and voltage from label; flash sequence and timing already observed; brush versus suction symptom.

Exact message / code / indicator / beep pattern

What happened, when it began, and which functions still worked

Visible pattern / operating context / recent changes

## 3 Separate observations from a suspected cause

What was actually observed (include what is unknown)

Any earlier action, who performed it, and the result (or write None)

## 4 Prepare the handoff

Question for qualified service / source correction needed

**Scope reminder:** US Armada BRC 40/22 120V, order 1.008-060.0. Other voltages and regional models are excluded. The cover refers serial applicability to the spare-parts list/manufacturer; no numeric starting serial is established here.

**Document references:** 86409500-G (01/13/20), printed p. 31; PDF p. 31; Same manual, printed p. 6; PDF p. 6.

**Open model reference, source links and safety limits** | Equipment Help

Model reference

# Tennant 1510

Record observations for service. This sheet does not diagnose or authorize repairs.

**Use only information already available from a safely stopped machine.** Do not run a faulty machine to complete this sheet. Follow the matched manual and workplace shutdown procedure; do not open protected parts, bypass interlocks or test live circuits.

## 1 Identify the machine and document

Full model / product or order number

Date / reporter (keep private)

Serial / asset reference (share privately)

Power / deck / panel / fitted options

Manual number / revision / region / page

## 2 Capture the existing symptom

Cover model 614001 / 614002 or other; spray versus poor recovery; attachment used and symptom timing.

Exact message / code / indicator / beep pattern

What happened, when it began, and which functions still worked

Visible pattern / operating context / recent changes

## 3 Separate observations from a suspected cause

What was actually observed (include what is unknown)

Any earlier action, who performed it, and the result (or write None)

## 4 Prepare the handoff

Question for qualified service / source correction needed

**Scope reminder:** 1510 cover models 614001 and 614002. Do not transfer procedures to 1530 or 1610. Parts-level serial notes are not an all-serial machine compatibility statement.

**Document references:** 613907, Rev. 08 (05-2023), printed p. 20; PDF p. 20; Same manual, printed p. 21; PDF p. 21.

**Open model reference, source links and safety limits** | Equipment Help

Model reference