



Leaders In Vehicle Integration

# Integrated Compressor

## QUICK START GUIDE

Part No: TYLC7-011AK-CMP / TYLC7-012AK-CMP

Toyota Landcruiser 70 Series Sep 2022MY + SC/DC/WAGON



Copyright © 2024 by NSV Australia

All rights reserved. No part of this publication may be reproduced, distributed, or transmitted in any form or by any means, including photocopying, recording, or other electronic or mechanical methods, without the prior written permission of the publisher.

## Contents

Safety and operating instructions	1
Quick Start Guide	2-4
Menu Structure / Error Messages	5
Technical Specifications / Trouble Shooting	6

## Important Safety Instructions

### **CAUTION - To reduce risk of electrical shock:**

- Do not disassemble. Do not attempt repairs or modifications. Refer to qualified service agencies for all service and repairs.
- This product should never be left unattended during use.

### **WARNING - To prevent injury:**

- Never allow children to operate this compressor. Close supervision is necessary when this compressor is being used near children.
- This compressor will become very HOT during and immediately after use. Do not touch any part of this compressor with bare hands during and immediately after use.
- Do not use this product near flames or explosive materials or where aerosol products are being used.
- Do not operate this product where oxygen is being administered.
- Do not pump anything other than atmospheric air.
- Never point any air nozzle or air sprayer toward another person or any part of the body.
- This air compressor is equipped with an Automatic Reset Thermal Protector and can automatically restart after the thermal protector resets. Always cut off power source when thermal protector becomes activated.

## Operating Instructions

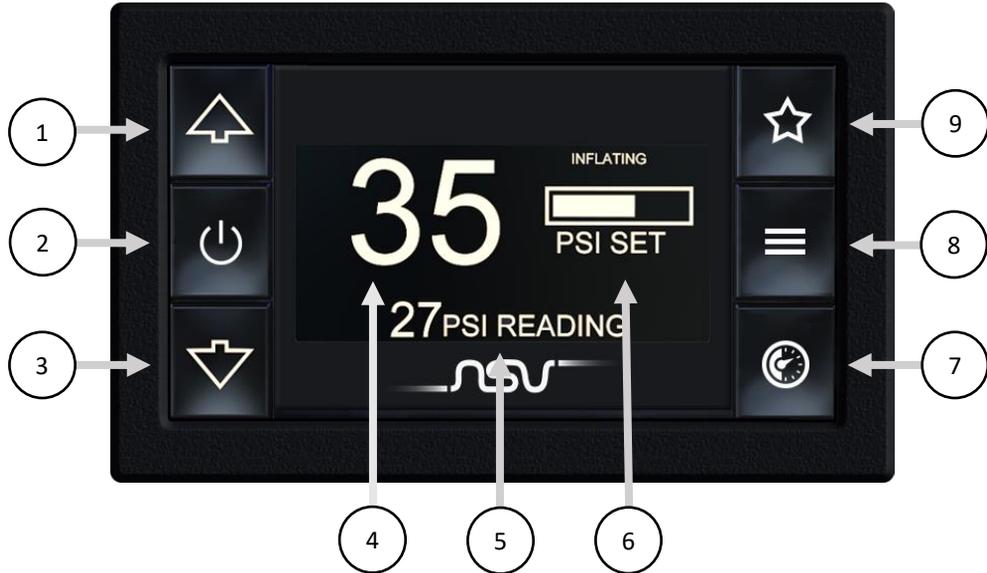
- **IMPORTANT:** To prevent discharge of your vehicle's battery, and enhance performance, keep the vehicle's engine running while using the compressor.
- Always operate the compressor at or below the MAXIMUM PRESSURE RATING of the compressor.
- Always observe the MAXIMUM DUTY CYCLE of the air compressor. Operation exceeding maximum pressure ratings and/or duty cycle will result in damage to the air compressor.
- Your air compressor is equipped with an AUTOMATIC THERMAL OVERLOAD PROTECTOR. This feature is designed to protect the air compressor from overheating and causing permanent damage to your air compressor. The thermal overload protector will automatically cut power to your air compressor should the internal operating temperature of the air compressor rise above safe levels during excessive use.
- Should at any time during use, your air compressor automatically shuts off; do not attempt to restart it. Turn off power and allow unit to cool for about 40 minutes. This will allow the Thermal Overload Protector to reset so you can safely resume use of the air compressor.

### **Routine Maintenance & repairs**

- Your air compressor is equipped with a permanently lubricated, maintenance-free motor. Never try to lubricate the compressor.
- All repairs should be performed by Manufacturer or Manufacturer's Authorized Service Agencies only.

## Quick Start Guide

### Digital Pressure Gauge – LC79 Double Cab/Single Cab



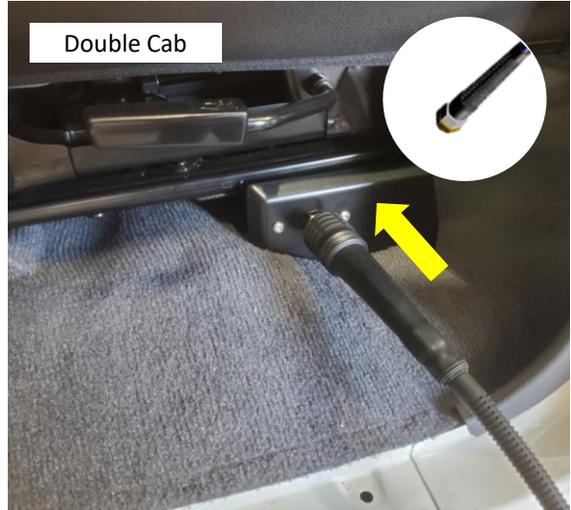
Number	Function
1	Increase value / menu up button
2	Start/Stop - Manual inflation and deflation Enter - Press to confirm menu selections
3	Decrease value / menu up button
4	Target pressure value Solid - Confirmed value Blinking - Reading/adjusting value
5	Displays last measured value during inflation or deflation
6	Displays status or mode - Inflate, deflate, measure, pause Displays status of inflation, deflation or measurement Displays currently selected unit of measurement
7	Press to set unit of measurement - PSI or BAR
8	Press to access system menu or to return to menu from within menu system
9	Press to toggle between stored pressure presets

## Quick Start Guide

Before operating your compressor, you must attach the supplied air hose to the compressor system.



1. The air hose coupler can be found under the front passenger's seat on all models.



2. Push the air hose quick connector firmly onto the air hose coupler until it clicks into place.



3. With the air hose securely connected route the hose to the first tire.



4. Remove the valve stem cap and screw the air hose valve connector to the tire.

## Quick Start Guide

**IMPORTANT:** The correct tire pressure for your vehicle can be found in the owner's manual or on a sticker inside the driver's side door. It is important to maintain the correct tire pressure because driving with under-inflated tires can result in poor vehicle handling and reduced fuel efficiency.

Press and hold the power button until display turns on.



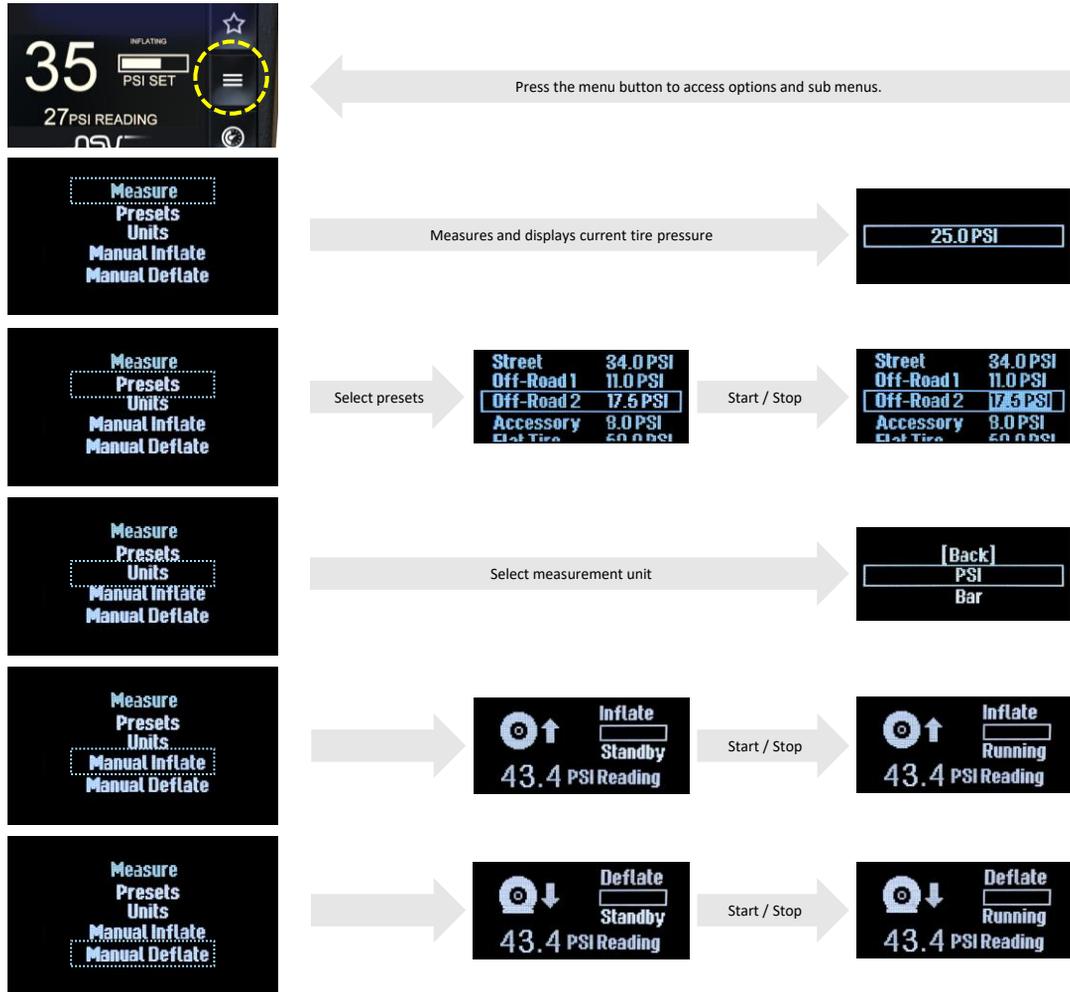
Use the arrow buttons to set the inflate or deflate pressure. Alternatively press the star button to select a pressure preset.



Press the power button to begin inflation/deflation.



## Menu Structure



## Error Messages

Please see below table of error messages that could occur during compressor operation. Most error messages can easily be cleared by checking connections and resetting the system. If error persists, please contact your local service agent.

Message	Description
LO	Pressure is below 5 psi
HP	High pressure protection (in manual modes)
0 psi	(or bar/kPa depending on selected unit) No back pressure detected
E1	Overpressure (in automatic modes)
E2	No pressure sensor connection
E3	Compressor overheating
E4	Irregular pressure measurement
E5	High Voltage
E6	Low Voltage

## Technical Specifications

Feature	Specification
Air flow Volume	>50L/min@40psi
Air Direction	Inflation
Max Pressure	200psi
Working Pressure	40psi
Max Working Pressure	150psi
Maximum Duty Cycle (Minutes On/Off @ 22°C & 100 PSI)	20 Minutes On/40 Minutes Off
RPM	4700 +/-250
Type of Voltage	Direct Current
Rated Voltage	DC12V
Power Consumption	350W
Max Amps	25A
Degree of Protection	IP67
Main Cable	12AWG
Thermal Protection	75°C (on) 120°C (off)
Noise	>86dba
Operating Temperature	-35°C/+85°C
Storage Temperature	-40°C/+85°C
Operating Voltage Range	9-16v

## Trouble Shooting

Issue	Solution
After operation for 30+ minutes the compressor stops.	Max Temperature Auto cut off: Compressor has an automatic heat cut off trigger that turns it off when it exceeds maximum safe operating temperature.
Compressor air flow is lower than normal and or Temperature cut off happens sooner than normal.	<ol style="list-style-type: none"> <li>1. Check vents to compressor are not covered by luggage.</li> <li>2. Check outlet pipe is not crimped. (Excessive pulling at high temperatures can crimp pipe at point of exit).</li> </ol>
Compressor comes on while driving unexpectedly.	It is most likely that the switch has been left on after the compressor reached maximum temperature. It has just cooled down and restarted. Turn the switch off.
Clicking noise like an indicator signal flasher is coming from compressor while driving.	When the pressure cut off is activated the switch will flash to show that it has been activated. Turn the switch off.
After 20+ minutes of use, I turn compressor off or after Auto pressure cut off the compressor will not restart.	When the pressure cut off is activated the switch will flash to show that it has been activated. Turn the switch off.
After 20+ minutes of use, I turn compressor off or after Auto pressure cut off the compressor will not restart.	Because the compressor uses an air intake for cooling stopping the compressor motor can reduce the airflow and the compressor reaches max safe temperature faster and stops. Need to wait 25-40 minutes for it to cool down.
Compressor Motor is running slower than normal.	Check vehicle battery and start engine. A low battery will cause compressor to run slower.
Burning Smell of plastic after or while in operation.	<ol style="list-style-type: none"> <li>1. Check that the hose has not been pulled over exhaust.</li> <li>2. Stop operation and take back to dealer for investigation.</li> </ol>



**Leaders In Vehicle Integration**