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**Full Function Display PN 200.0068**

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## Service and Warranty

### Component Part numbers

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#### Bill of Material

101.1404 TMS TOW-BEHIND GENII

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|---|----------|------------------------------------------------------|
| 1 | 200.0068 | DISPLAY FFD D-2 - REMOTE                             |
| 1 | 200.0087 | RECEIVER GENII - SHIELDED                            |
| 4 | 200.0100 | TRANSMITTER - STRAP TS-2                             |
| 1 | 260.0150 | CONNECTOR PLUG-JACK-JACK AMPHENOL:21900              |
| 1 | 260.0157 | CABLE RECEIVER-FFD FOR RV                            |
| 1 | 260.0158 | POWER CABLE FOR RV RECEIVER                          |
| 4 | 264.0115 | STRAP - STAINLESS STEEL CLAMP BREEZE:600 356 H 476 B |

## Troubleshooting

| Problem | Cause and actions |
|---------|-------------------|
|---------|-------------------|

## System Default Settings

|                      |             |                        |
|----------------------|-------------|------------------------|
| Low Pressure Alert   | 22 PSI      | Change in factory only |
| Low Pressure Warning | 15 PSI      | Change in factory only |
| Wheel color codes    | Right front | Green                  |
|                      | Left front  | Red                    |
|                      | Right rear  | Blue                   |
|                      | Left rear   | Yellow                 |

## Technical Specifications

### Strap Mount Transmitter

|                             |                                                                                                                                                                      |
|-----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Battery Life (Projected)    | 8.5 Years (normal vehicle use)                                                                                                                                       |
| Operating temperature range | -40° F to 257° F (-40° C to 125° C)                                                                                                                                  |
| Storage temperature Range   | -40° F to 257° F (-40° C to 125° C)                                                                                                                                  |
| Operating humidity          | 100%                                                                                                                                                                 |
| Data transmitted            | Pressure, temperature, battery voltage                                                                                                                               |
| Data transmission rate      | Upon startup, then every 3 to 5 minutes (more frequently during a pressure loss incident)<br>Every 15 minutes if pressure is 18 PSI or lower when vehicle is parked. |
| Weight                      | To be determined                                                                                                                                                     |
| Size                        | 3-1/4" x 1-1/8" x 1"                                                                                                                                                 |
| Frequency                   | 433.92 Mhz                                                                                                                                                           |
| Pressure Range              | 50 to 637.5 kPa (absolute) (7 – 93 PSI)                                                                                                                              |
| Pressure accuracy           | +/- 2 PSI                                                                                                                                                            |
| Temperature accuracy        | +/- 3 °C                                                                                                                                                             |
| Start-stop mode             | Vehicle motion greater than 10kph                                                                                                                                    |
| Method of mounting          | Strap around the drop center well of the wheel                                                                                                                       |

### Receiver

|                             |                                    |
|-----------------------------|------------------------------------|
| Power Consumption           | 125 ma. maximum during alert       |
| Operating Temperature Range | -40° F to 185° F (-40° C to 85° C) |
| Storage Temperature Range   | -40° F to 185° F (-40° C to 85° C) |
| Frequency                   | 433.92 MHZ ± 75 kHz                |
| Size                        | 2.85" H x 3.08" D x .87" W         |
| Weight                      | 67 gm                              |
| Operating Humidity          | 100 % non condensing               |

## SmarTire Service Policy – Handling Returned Materials

To return any materials, call SmarTire Service for a Returned Material Authorization number (RMA). Follow instructions given by the service department for packaging and shipping the product in your area.

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## US Warranty

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This Warranty covers substantial manufacturer's defects in workmanship and materials. It does not cover any unit that is damaged beyond normal usage, was not properly installed, was subjected to chemical contact, or other acts or omissions not sanctioned by the Owner's Manual.

All components are covered for one (1) years and 50,000 miles following the date of installation.

The SmarTire™ warranty will be honoured by any authorized SmarTire™ dealer. The owner is required to provide dated proof of purchase. The authorized dealer will determine if there is a warrantable condition associated with materials and/or manufacturing workmanship. If a warrantable condition exists, the component will be replaced free of charge, shipping prepaid. The owner is responsible for any labor and installation charges.

A completed Warranty Claim Form must be sent, postage prepaid, with the defective unit to SmarTire USA Inc., 3873C Airport Way, Bellingham, WA 98227-9754. Phone 330-497-0236

The Warranty does not include any further obligation whatsoever, including but not limited to actual installation of the replacement unit on the customer's vehicle.

All other Warranties, express or implied, are disclaimed. All collateral agreements, which purport to modify this Limited Warranty are of no effect. The absolute limit of liability is the purchase price of the unit. SmarTire Systems Inc. is not liable for any direct, consequential, indirect or punitive damages of any kind.

SOME STATES DO NOT ALLOW LIMITATIONS ON THE VALIDITY OR LENGTH OF IMPLIED WARRANTIES, SO THE ABOVE LIMITATIONS MAY NOT APPLY TO YOU.

SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATION OR EXCLUSION MAY NOT APPLY TO YOU.

THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY HAVE OTHER RIGHTS WHICH VARY FROM STATE TO STATE.

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# Appendix

## Glossary

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|                                    |                                                                                                                                                                                      |
|------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b><i>Actual Pressure</i></b>      | The value of tire air pressure measured by the Transmitter and transmitted to the Receiver. This value is compared to the Required Pressure to active an alert or warning if needed. |
| <b><i>Cold Pressure</i></b>        | The recommended inflation pressure of a tire at ambient temperature (64° F).                                                                                                         |
| <b><i>Low Pressure Alert</i></b>   | The audible and visual alert activated when the tire's Actual Pressure drops to the programmed value.                                                                                |
| <b><i>Low Pressure Warning</i></b> | The audible and visual alert activated when the tire's Actual Pressure drops to the programmed value. This value is lower than the Low Pressure Alert.                               |
| <b><i>Receiver</i></b>             | The electronic module that receives data from the transmitter and displays tire pressure alerts.                                                                                     |
| <b><i>Transmitter</i></b>          | The wheel mounted electronic module that measures contained air pressure and temperature and transmits this data to the receiver.                                                    |