

TECHNICAL SERVICE BULLETIN



DEPARTMENT OF COMPLIANCE
VEHICLE SAFETY AND RECALL MANAGEMENT
BUILDING 11
423 N MAIN ST
MIDDLEBURY, INDIANA 46540-9218

Technical Service Bulletin: 55-1097

- o Integrity
- o Safety
- o Quality
- o Customer Service

<<OWNER NAME/DEALERNAME>>
<<ADDRESS>>
<<CITY>>, <<ST>> <<ZIP-XXX>>

October 28, 2019

This Notice applies to your vehicle VIN listed above.

Dear Forest River Customer:

Forest River is alerting you to an issue involving certain 2020 – Dynamax Isata 3 and Isata 4 Class C recreational vehicles. Please see the information below which describes the issue and provides you with details on the steps you should take to have your vehicle repaired.

WHAT IS THE ISSUE?

The valve stem sensors may become damaged during travel.

OWNERS: WHAT SHOULD YOU DO?

Please contact your dealer immediately and request a service appointment to schedule the free repair. ***The valve stem sensors will be removed and each wheel/tire combination will be upgraded to a wheel band sensor (see attachment).*** The vehicle Owner is responsible for arranging to have the work completed. Please state you have been notified by Forest River of the issue and provide the TSB number (located at the top of this page) to the dealership. It is also helpful to give the dealership a copy of this letter when you take your vehicle in for the repair.

You may visit www.forestriverinc.com to search for dealer locations.

HOW LONG WILL THE REMEDY PROCESS TAKE?

The estimated time of repair is 1.00 hours. However, the dealership may need to keep your vehicle or schedule an appointment with you for a later date to fit into their regular service schedule.

DEALERS: WHAT SHOULD YOU DO?

See the attached service instructions.

MAY FOREST RIVER ASSIST YOU FURTHER?

CONTACT	PHONE
CUSTOMER SERVICE	(574) 262-3474

Repair Codes:

Prior Authorization is required for verification purposes. Pictures are not required.

DEALER REPAIR CODES: Dealer Central

TSB NUMBER	REPAIR CODE	DESCRIPTION	ALLOWABLE HOUR(S)
55-1097	10-551097	REMOVE VALVE STEM TPMS SENSOR AND REPLACE WITH A WHEEL BAND TPMS SENSOR PROVIDED BY DYNAMAX	1.00 HRS.

OR

DEALER REPAIR CODES: Dealer Connect

TSB NUMBER	REPAIR CODE	DESCRIPTION	ALLOWABLE HOUR(S)
55-1097	SB-466-01--003289	REMOVE VALVE STEM TPMS SENSOR AND REPLACE WITH A WHEEL BAND TPMS SENSOR PROVIDED BY DYNAMAX	1.00 HRS.

TECHNICAL SERVICE BULLETIN

WHAT IF YOU HAVE PREVIOUSLY PAID FOR REPAIRS TO YOUR VEHICLE FOR THIS PARTICULAR CONDITION?

If you have already paid for a repair that is within the scope of this service bulletin, you may be eligible for a refund of previously paid repairs. Refunds will only be provided within the scope of this Technical Service Bulletin.

Please send the service invoice to the following address:

Dynamax
Forest River, Inc.
Attn: WARRANTY MANAGER
2745 Northland Dr.
Elkhart, IN 46514

Sincerely,

A handwritten signature in black ink, appearing to read "Kell Fisher".

Forest River, Inc.
Engineer
Office of Corporate Compliance



INDUSTRY LEADING TIRE PRESSURE MONITORING SYSTEM

3 Year Warranty • Lifetime Customer Support

**FACTORY-INSTALLED
ON YOUR RV!**

MONITOR YOUR TIRES FROM THE DRIVER'S SEAT

Real time tire temperature and pressure readings are transmitted directly to our display.

Increased awareness brings increased safety, tire life and fuel economy.



TST WIDE-SCREEN COLOR DISPLAY
Real-time alerts for Tire Pressure and Temperature

WHAT SETS TST TPMS KITS APART?

- Industry's First Full Color Wide Screen Display
- Factory Installed Repeater & Internal Sensors
- Monitor up to 4 Trailers and 115 Tires
- Audible, Visual and Textual Alerts
- 3 Year Warranty

WHAT'S INSTALLED ON YOUR RV?



REPEATER
Boosts sensor signal to display



INTERNAL SENSOR
Securely mounted inside the wheel/tire assembly

NEXT STEPS: PAIR AND ACTIVATE YOUR PRODUCT

MY RV CAME WITH A DISPLAY

Please follow these instructions to get paired, activated and on the road!:

Sensor Installation & Pairing

- Internal, banded sensors are mounted on the wheel at the factory, 180° from the valve stem.
- In some applications, your sensors may be externally installed on the valve stem.
- See instructions on page 2 of this brochure for pairing sensors to Display.

Activate your Product Warranty

- Go to www.TSTtruck.com/warranty

MY RV CAME WITHOUT A DISPLAY

Contact an authorized TST Dealer to purchase a TST TPMS Display.

- **Return to the Dealer** where you purchased your RV.
- **Email** TST at support@TSTtruck.com to locate an authorized TST Dealer.
- **Call** (770) 889-9102 to speak with TST Customer Support.

Sensor Installation & Pairing

- Internal, banded sensors are mounted on the wheel at the factory, 180° from the valve stem.
- In some applications, your sensors may be externally installed on the valve stem.
- See instructions on page 2 of this brochure for pairing sensors to Display.

Activate your Product Warranty

- Go to www.TSTtruck.com/warranty

I HAVE QUESTIONS OR NEED SUPPORT

WEB: www.TSTtruck.com/product-support

EMAIL: support@TSTtruck.com

PHONE: (770) 889-9102

HOURS: Monday-Friday 9am-8pm,
Saturday 9am-2pm (EST)

www.TSTtruck.com

PROGRAMMING YOUR TST TIRE PRESSURE MONITORING SYSTEM

Power ON the display. The ON/OFF switch is on the right side of the display.

PROGRAM SENSORS TO DISPLAY

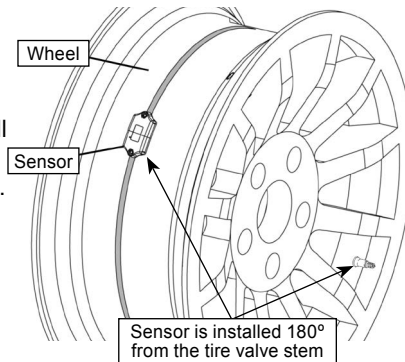
Press and hold **(SET)** until it beeps. Display is now in programming mode.

The words **HI**

PRESSURE SET will appear at the bottom of the screen.

Press **(+)** 5 times to scroll through the parameters until **LEARN ID** appears.

1. Press and release **(SET)**. The first tire on the display will blink. Press **(+)** to move to the desired tire position. Press and release **(SET)** again and **FFF FFF** will blink. **Hold the Display next to the sensor for that tire position (see diagram for Internal Sensor position).** Press and release **(GO)**. **ID LF** will appear on the screen, then the 6 digit sensor ID code will appear. Press and release **(SET)** to save the code to that tire position. When coded correctly, a six (6) digit unique code will be displayed (You may record this code by wheel position using the Sensor Code Diagram included with this guide).
2. Use **(+)** to move to the next tire position to be programmed. Repeat Step 2 until all sensors have been programmed.
3. When complete, press and release **(BACK)** twice to return to the main screen (the sensors will begin reading **0** pressure and an alarm will sound. This is part of the normal setup process. Press **(+)** to silence the alarm while continuing the setup).



SET THE FOLLOWING BEFORE PAIRING SENSORS:

PRESSURE UNITS

Note: Default setting is PSI.

To change the Pressure Unit, press and hold **(SET)** until it beeps. Press **(+)** three (3) times and **SET** will appear at the bottom of the screen and **BAR** and **PSI** will be blinking on the screen. Press and release **(SET)** again, then use **(+)** to select **BAR** or **PSI**. Press **(SET)** again to save. Press and release **(BACK)** to go to the Main Screen.

TEMPERATURE UNITS

Note: Default setting is °F.

To change the Temperature Unit, press and hold **(SET)** until it beeps. Press **(+)** four (4) times and **SET** will appear at the bottom of the screen and **°F** and **°C** will be blinking on the screen. Press and release **(SET)** again, then use **(+)** to select **°F** or **°C**. Press and release **(SET)** again to save. Press and release **(BACK)** 2 times to go to the Main Screen.

HIGH TEMPERATURE ALARM

Note: Default setting is 158°F (70° C).

We recommend that you do not change the temperature alarm setting.

To set the High Temperature Alarm, press and hold **(SET)** until it beeps. Press **(+)** twice and **HI TEMP SET** will appear. Press and release **(SET)** again, then use **(+)** or **(-)** to adjust the High Temperature Alarm, if desired. Press and release **(SET)** to save. Press and release **(BACK)** 2 times to go to the Main Screen.

LOW PRESSURE ALARM

Note: If the vehicle recommended tire pressure is below 100 PSI, the Low Pressure Alarm must be set first, then set the High Pressure Alarm. The High Pressure Alarm cannot go below the default Low Pressure Alarm of 100 PSI until the Low Pressure Alarm is reduced.

To set up the Low Pressure Alarm, press and hold **(SET)** until it beeps. Press **(+)** once and **LOW PRESSURE SET** will appear. Press and release **(SET)**, then press and release **(GO)** to select the appropriate axle. Press **(+)** or **(-)** to adjust the Low Pressure Alarm 10% below your normal tire pressure for that axle. Press and release **(GO)** to move to the next axle. For a trailer setup, see below.*

HIGH PRESSURE ALARM

To set up the High Pressure Alarm, press and hold **(SET)** until it beeps.

HI PRESSURE SET will appear at the bottom of the screen.

Press and release **(SET)**, then press and release **(GO)** to select the appropriate axle. Press **(+)** or **(-)** to adjust the High Pressure Alarm to 25% over your normal tire pressure for that axle. Press and release **(GO)** to move to the next axle. When finished setting each axle, press and release **(SET)** to save. Press and release **(BACK)** 2 times to go to the Main Screen. For a trailer setup, see below.*

***Trailer setup** - Up to four trailers can be configured to a single display. When you get to the trailer section of the display, all the trailer axles on that section will flash in groups of three. You can set the High & Low Pressure Alarms for that group. Press and release **(GO)** to move to the next group or the next trailer. The trailer number will appear in the middle of the screen (#1 to #4). Press and release **(SET)** to save settings. Press and release **(BACK)** 2 times to return to the Main Screen.

REPEATER INSTALLATION

1. The repeater is used to boost the sensor signal. A repeater is factory-installed with this system.
2. The repeater is wired to a 12V source that will be constant while driving. The red light on the repeater will illuminate "constant or blinking" (the repeater will illuminate with a constant light when power is applied, once the display is on and the sensors are reporting. The light will blink when transmitting information to the display). No additional setup is needed for the repeater.

EXTERNAL CAP SENSOR INSTALLATION - After Programming

1. Hand-tighten the corresponding sensor on the valve stem for that tire position until the air stops leaking, then tighten 1/4 turn further.
2. DO NOT OVER TIGHTEN!

FREQUENTLY ASKED QUESTIONS

WHAT DO I DO IF MY SENSOR IS NOT READING?

1. If your sensor is not transmitting data to the display, try recoding the sensor to the same tire position using the "PROGRAM SENSORS TO DISPLAY" instructions on the previous page.
2. If after repeated attempts, and you think it may be a sensor issue please contact Customer Support using the information below.

WHY DOES MY DISPLAY SOMETIMES "DROP" SENSOR DATA FROM A TIRE POSITION?

Be aware that an indoor/outdoor thermometer with an external temperature sensor may interfere with the TST TPMS. Temporarily remove all the batteries in the temperature display AND exterior temperature sensor and see if the problem is corrected. A thermometer with a higher frequency (915 MHZ) may be required. Atomic clocks can also cause interference with the sensors.

WHY DOES MY DISPLAY SOMETIMES ALARM WHILE I AM SITTING STILL IN THE EVENING?

As night approaches and outdoor temperatures decrease, your tire pressures may drop below the parameters you have set, thus causing an out of spec alarm. When temperatures drop, turn your display off overnight. As the air temperature rises the next day or as you start driving, the tires will also heat up and come back into your parameters.

WHY CAN'T I SET A LOWER PRESSURE THAN 100 PSI FOR THE HIGH OR LOW PRESSURE ALARM?

The high-pressure alarm cannot go lower than the low-pressure alarm setting. If your tire pressure settings are below 100 PSI, you must first set the low-pressure alarm settings and then set the axles' high-pressure settings. When done, be sure to press and release the "SET" button to save all the parameter settings.

WHAT CONDITIONS CAUSE THE DISPLAY TO ALARM?

The display will alarm for the following reasons:

1. A rapid leak of 2 psi per minute or greater (**FAST LEAK** at bottom of screen).
 2. A low sensor battery (upper left battery icon flashes).
 3. An overheating tire, increasing the temperature (**HIGH TEMP** at bottom of screen).
 4. A high or low-pressure reading (be sure your parameters are set correctly).
- In every instance, the tire Pressure and Temperature numbers will also flash when the tire with the problem blinks.

HOW DO I REMOVE MY TRAILER FROM THE DISPLAY SCREEN WHEN I AM NOT USING IT?

To electronically disconnect the trailer tire icons from the screen:

1. Momentarily press the **GO** and **-** buttons.
2. The trailer section on the display will disappear.
3. To electronically reconnect the trailer section, momentarily press the **GO** and **-** buttons again.

HOW DO I REMOVE MY TOWING VEHICLE FROM THE DISPLAY SCREEN WHEN IT IS PARKED?

To electronically disconnect the towing vehicle tire icons from the screen:

1. Momentarily press and hold the **GO** and **+** buttons.
2. The towing vehicle section on the display will disappear.
3. To electronically reconnect the towing vehicle section, momentarily press the **GO** and **+** buttons again.

HOW DO I REMOVE AN UNWANTED TIRE ICON FROM THE DISPLAY?

To delete a single sensor code press and hold **SET** until it beeps (approx. 3 seconds). Press **+** and scroll through the parameters until **LEARN ID** appears. Press and release **SET**. Use **+** or **-** to scroll to the tire you wish to remove. Press and release **SET** to select that tire. It will start flashing. Press and hold **BACK** for 3 seconds. You will hear 3 beeps. The code will change to **FFF FFF** which will be flashing. Press and release **SET**. The flashing will stop and the ID code will be deleted. To cancel the function, press and release **BACK** 2 times.

HOW DO I DELETE ALL TIRE CODES FOR MY DISPLAY?

To delete all of the tire codes when in the **LEARN ID** mode: Press and hold the **BACK** button until you hear 6 beeps. **DEL ALL** will appear on the screen. Press and release **SET**. You will hear one beep. **FFF FFF** will appear. ALL ID codes are deleted. To return to the main screen, press and release **BACK** 2 times.

CUSTOMER SUPPORT INFORMATION:

WEB: www.TSTtruck.com/product-support

EMAIL: support@TSTtruck.com

PHONE: (770) 889-9102

HOURS: Monday-Friday 9am-8pm,
Saturday 9am-2pm (EST)

www.TSTtruck.com



SENSOR CODE DIAGRAM

After pairing your sensors, you may record their 6 digit code (or sensor number) by wheel position using the RV/Tow Vehicle and Trailer diagrams below.

This allows you to know which sensor is programmed to which tire position at a glance.

RV or Tow Vehicle						T											

T						T											

T																	

CUSTOMER SUPPORT INFORMATION:

WEB: www.TSTtruck.com/product-support

EMAIL: support@TSTtruck.com

PHONE: (770) 889-9102

HOURS: Monday-Friday 9am-8pm,
Saturday 9am-2pm (EST)

www.TSTtruck.com

