

**INSTALLATION GUIDE****WHAT'S IN THE BOX**

1. Smart Spark TA2 SS Controller  
(P/N TA2SSLS-B)

2. Smart Spark TA2 SS Harness  
(P/N TA2SSLS-H)

**OVERVIEW**

**Smart Spark TA2 Super Speedway** (P/N TA2SSLS-K) was specifically designed for the Trans Am TA2 racing series. It is a complete plug n' play racing ignition system that is designed to be used on LS based TA2 racing engines. This fully encapsulated device is preprogrammed with approved TA2 ignition timing advance tables. The TA2 Super Speedway version of our Daytona Sensors Smart Spark ignition system has been designed to meet specific Trans Am TA2 racing requirements.

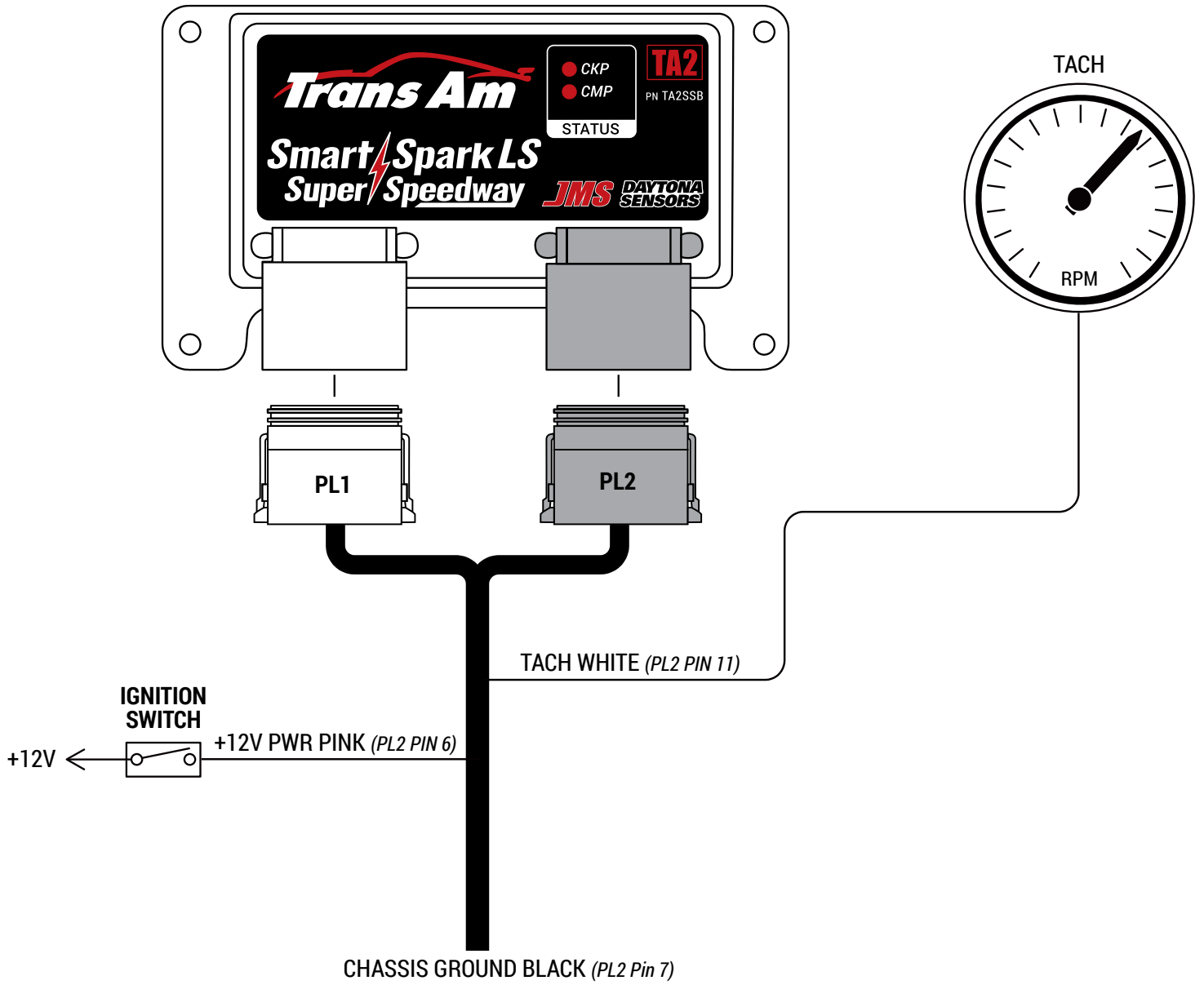
- Supports Approved TA2 GM LS Racing Engines (Carbureted LS Engines With 58 Tooth Crank Trigger)
- Preprogrammed with Approved TA2 Ignition Timing Advance Tables
- Unit is Sealed for the TA2 Racing Series
- Status LEDs - Display Device and Trigger Input Status
- Fully Encapsulated Construction
- Heavy Duty 12 Pin Deutsch Connectors used for Signal Connections
- Designed & Assembled in the USA

**STEPS 1 – 4**

1. Mount the TA2 module in a convenient location. For hookup, refer to the figure 3 diagram and the appropriate wire overview at the end of the instructions.
2. Connect the ground terminal (black and black/white wires) to a suitable engine or chassis ground.
3. Connect +12V power (pink wire) to the ignition switch. This circuit should be protected with a 20 amp ATC fuse.
4. Connect the tach signal (white wire) as shown in the basic hookup on next page.

**CAUTION:** This system is designed for racing and it has approved for by the Trans Am Racing Series TA2 racing class. Carefully read instructions before proceeding. Not legal for sale or use in California or on any pollution controlled vehicles.

**FIGURE 3- BASIC HOOKUP**



WIRING OVERVIEW		
BLACK 12 PIN DEUTSCH CONNECTOR SIGNALS		
PIN	SIGNAL	DESCRIPTION
1	Coil Drive 1	Coil 1 drive signal
2	Coil Drive 2	Coil 2 drive signal
3	Coil Drive 3	Coil 3 drive signal
4	Coil Drive 4	Coil 4 drive signal
5	Coil Drive 5	Coil 5 drive signal
6	+12V Power	Switched +12V power
7	Ground	Connects to engine or chassis ground
8	Coil Drive 6	Coil 6 drive signal
9	Coil Drive 7	Coil 7 drive signal
10	Coil Drive 8	Coil 8 drive signal
11	Tach	Connects to tachometer <i>(standard 12V square wave signal)</i>

WIRING OVERVIEW		
GRAY 12 PIN DEUTSCH CONNECTOR SIGNALS		
PIN	SIGNAL	DESCRIPTION
1	CKP	Crankshaft position sensor signal input
2	CMP	Camshaft position sensor signal input

## Warranty & Contact Information

### JMS–Daytona Sensors warrants to the original purchaser:

Your product will be free from defects in materials & workmanship for a period of twelve (12) months from the original purchase date. The warranty only covers the product itself & not the cost of removal & re-installation of the product. We may extend the limited warranty on a case by case basis, based on the circumstances of the warranty claim. Our products are designed exclusively for use in racing applications. **JMS–Daytona Sensors** products that are not installed according to the supplied instructions, may not be covered by warranty.

### Specific conditions that will VOID the product warranty:

- If the product case has been opened or the product has been modified or repaired.
- If the product was not installed or used correctly.
- If the product has been tampered with by: negligence, misuse or accident.
- If the product is returned without explanation of the problem or Return Authorization.

### Contact us at 601-766-9424 for a Return Authorization Number:

All warranty returns should be returned freight pre-paid & should include inside of the box: *Proof of Purchase & a Letter that contains both the Return Authorization Number and a Clear Explanation of the EXACT problem.*

The Return Authorization Number should also be clearly written on the outside of the box.

### Send all returns to:

#### JMS Returns

240 Springview Commerce Drive, Bld 1, Ste J  
DeBary, FL 32713

**This product was designed for RACING. JMS–Daytona Sensors is not liable for any and all consequential damages arising from the breach of any implied or written warranty in regards to the sale of this product, in excess of the purchase price.**

#### Technical Support & Contact Information:

JMS–Daytona Sensors  
240 Springview Commerce Drive, Bld 1, Ste J  
DeBary, FL 32713  
**601-766-9424 or 386-304-0700**

#### Technical Support Hours:

Monday - Friday 9:00am - 5:00pm *(Central Standard Time)*

**Installation videos available online: [www.youtube.com/jmschip](http://www.youtube.com/jmschip)**

If you have any questions, please contact JMS technical support via email: [tech@jmschip.com](mailto:tech@jmschip.com)

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