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ROADSTER 2013 Product Reference Article - 108150

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Language

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Up-to-date technical information on the 2013 Roadster product. Destined for dealer service department staff.
This document may change without notice, always consult the latest version available.

Type:

General

TST Detail:**Condition - Cause - Cure**

The conditions, causes and cures described in this section are for individual cases and does not imply all MY units are affected nor should parts be replaced without following proper diagnostic procedures.

MY	Model	Description	Case Details Needed	Factory feedback	Hyperlink	Date Revision
2013	RT	Fuel pump noise louder since 2013-10 Safety campaign	No Case needed. Refer to linked TST	Linked TST offers repair procedure. No damage will occur nor will the unit be stranded due to fuel pressure issues. Noise remains an irritant without consequences. Conditions for noise to be present: Engine compartment has reached normal operating temperature - warmed up - running for a while. Engine at idle (lots of fuel being regulated) Warm engine with key ON (no start), pump primes and makes noise. Condition when noise is not present: Cold engine	ROADSTER Fuel Pressure Regulator Noise_000120183_TST61Y015S02_en	01-10-2015
2013	All	Purge Valve Failure	No Case Needed	A defective purge valve may cause symptoms such as; stalling at idle, rough idle, O2 sensor codes, difficulty to start when engine is warm. To help diagnose, - Perform EVAP Purge Valve Operational Test as described in the Fuel Tank and Fuel System section of the shop manual. - Refer to service bulletin 2015-7 for new purge valve line execution. - If purge valve is replaced perform ECM first initialization using BUDS ECM/Setting screen	ROADSTER Fuel Tank and Fuel Pump (RS-RT-ST) - Shop Manual Page 20-21	28-08-2015
2013	RS/ST	Heat felt by driver is uncomfortable	No Case needed	Excessive heat felt from the engine compartment. 2013-9 ECM update may help in some driving situations to reduce heat felt. RS/ST models can have the 2014 air scoops installed under regular warranty (see link).	2013 Air Scoop Retrofit Kits (RS/ST only)	04-06-2015
2013	All SE5	Clutch Chatter at take off - cold engine	No Case needed	Usually at 1st clutch engagement when engine is cold the clutch will bounce, skip and cause chattering noise. The drive pulley vibrates back and forth. Follow TST explanation and actions.	Clutch Engagement Chatters at Take Off (SE5)	14-07-2015
2013	ST/RT	Radio station disappears after a few days	No Case needed	This issue has been identified as a software problem between the cluster and the radio modules. At this time replacement of parts is not the solution.	Radio Station Display in Cluster Disappears After a Few Days	
2013	All	Front tire vibration, handlebar vibration	No Case needed	For handlebar vibrations (without braking - this would be disc warpage) the solution consists of having the tires balanced dynamically. Refer to linked TST for details on dynamic balancing. This method can also be used on the rear tire. Regular warranty applies for units with low mileage (below 2000km (1200 miles) System: 07 Job code: 00, Expected labor involves short road test and balancing both front wheels = 0.4hr. Make sure tightening of the wheel nuts is not done with an impact gun as this will cause hub warpage.	Handlebar Vibration	

Important TSTs

MY	Model	Title	Comment
2013	RT	2013-10 Safety Warranty Bulletin Procedure Help Video	Summary : In reference to the 2013-10 safety bulletin this help video will illustrate tips and tricks to performing the repair procedure. This help video does not replace the official bulletin as it does not show all the steps, torques and full details of the bulletin, it is solely to give an overview of the procedure.

2013	RT	Elevated Temperature In Engine Compartment - Information On Accessories	As mentioned in the 2013-10 Safety Warranty Campaign some BRP PAC accessories that no longer fit on the unit, this TST will provide information of how to claim and reimburse a customer for these accessories. Aftermarket accessories relating to heat in the engine compartment reduction may also be reimbursed according to the guidelines in this TST.
2013	ST	PAC high windshield drops on bumpy roads	The PAC ST high windshield kit instructions will indicate if the unit is driven on bumpy roads and the windshield drops then the installation of this rail kit is the solution. This is considered a PAC accessory therefore at the cst's expense. Labor involved to install the new springs is approx. 1hr. The kit includes a set of stock springs, these are to be used when you have a complaint of the stock or short windshield being loose sideways. Rather than replacing the complete rail it can be rebuilt.
2013	All	Handling Diagnostic	In order to assist with a customer complaint pertaining to handling on a 2013 Roadster a review of available publications has been made here.
2013	All	Excessive Steering Play	Since the introduction of the 2010 RT we are using a steering column with 2 universal joints (yokes). Compared to the 2008 to 2012 RS which has a straight tube steering column, a torsional flex is noticed which can be misinterpreted as freeplay. Torsional flex is now part of all models in 2013 since they all have the same (2 universal joint) steering column. Some freeplay is to be considered normal due to the steering column splines at the top and bottom and the DPS gear lash.
2013	ST	Brake Light Stays On - Battery Drainage	BRP has received reports concerning the brake light staying lit when the brake pedal is resting on the bump stop. This will cause battery drainage.
2013	SE5	Not Shifting when Engine is Warm	If a unit does not shift or has difficulty shifting when the engine is at operating temperature. The problem may be related to the steel sleeve not pressed in all the way. Just the slightest gap between the sleeve and the HCM housing will allow the oil to seep past the regulator and not build up enough pressure to shift.
2013	All	Engine Stalling at Idle	This is to address the situation of an engine stalling at idle or when coming to a stop with the drive train disengaged. This situation is present on the 991 ETC (Electronic Throttle Control) engine rather than the 991 engine (throttle by cable present on 2008-2012 GS/RS).
2013	RT	Hood actuator and switch failure	Inspect the hood actuator itself to see if the lever it pushes against is in-line and not obstructed. This could also happen if the front cargo is over-packed and the pressure pressing up against the mechanism is beyond what the actuator can push and the switch gets too much amperage. Refer to TST link for diagnostic. Regular warranty applies.
2013	ST RT	Unable to change a pre-set channel number	This issue has been identified as being caused by the radio data system (RDS) refresh rate bringing the pre-set channel back to its original #. With bigger radio stations this is common, they send non-audio data to your radio giving you information on the music playing (artist, title) or weather information. When this refresh rate is too fast we can't choose a different pre-set channel in time. Changing the pre-set channel for a radio station with a slower refresh rate will allow you to change the pre-set channel #.
2013	991 SE5	Engine Noise - LH Side - Possible Cause	On some SE5 engines a high pitched or whining noise may be heard under specific RPM only (only at 3500rpm for example) on the LH side. Refer to TST, regular warranty applies.
2013	ST	PAC high windshield drops on bumpy roads	The PAC ST high windshield kit instructions will indicate if the unit is driven on bumpy roads and the windshield drops then the installation of this rail kit is the solution. This is considered a PAC accessory therefore at the cst's expense. Labor involved to install the new springs is approx. 1hr. The kit also includes a set of stock springs, these are to be used when a stock or short windshield has loose rails. Rather than replacing the complete rail, rebuild it.
2010-2015	ST RT	Vehicle to Trailer Compatibility Chart	Due to changes in RT-622 trailer lighting system, main harness and pole harness with different trailer light modules and harnesses there may be compatibility issues.

B.U.D.S.

MY	Model	Title	Comment
All	All	B.U.D.S. Directory - Roadster	Refer to B.U.D.S. Directory for all information related to B.U.D.S. Download Current Version Updates for Database Related Downloads Related Articles

Warranty and Service Bulletins

MY	Model	Title	Type	Comment	Date Added
2013	All	2013-1 DPS and TCM Calibration Files for Service Parts	Service	Dynamic Power Steering (DPS) or Transmission Control Module (TCM) ordered as service part must have its calibration file updated with a new specific file to allow proper operation of the vehicle. The new calibration file is included in the latest B.U.D.S. version.	17-10-2012
2013	All	2013-2 Importance of Predelivery Check List	Service	The Predelivery Check List (PDI Check List) must be used in conjunction with the Predelivery Bulletin applicable to the vehicle. It is mandatory for the dealer to complete the PDI Check List. The customer must read, fill and sign the PDI Check List.	20-11-2012
2013	All	2013-3 Paint Codes	Service	These paints should be used for minor touch-ups only.	12-04-2013
				As a reference to pre-delivery inspection bulletin, this service publication provides instructions for the activation, charging and maintenance of new Roadster batteries. It contains standard practices and can be	

2013	All	2013-4 Battery Activation Charging and Maintenance	Service	used as a reference for preparing vehicles before delivery to customers. For additional battery information and detailed procedures, refer to appropriate <i>ROADSTER SHOP MANUAL</i> and manufacturer's instructions.	17-12-2012
2008-2013	SM5 Engine	2013-5 Clutch Cover Installation Procedure (SM5)	Service	During clutch cover installation, the hydraulic piston and the other clutch components may be misaligned if the clutch cover screws are tightened BEFORE the hydraulic piston nut resulting in premature wear or various shifting issues. To prevent this situation, follow this revised clutch cover installation procedure. The improved removal and installation procedure described in this bulletin must be performed on all SM5 models (MY2008-2013). Please modify all shop manuals used in your workshop.	03-01-2013
2013	All	2013-6 Drive Belt Tension	Service	Belt tension for all Spyder model year 2013 is different than previous years.	14-02-2013
2013	All	2013-7 Wheel Alignment Procedure and Tools	Service	A new procedure and new tools have been developed to improve precision when performing wheel alignment on 2013 Can-Am Roadster. Refer to "alignment" TSTs for newest procedure.	04-03-2013
2013	All	2013-8 Service Tools	Service		
2008-2013	All	2013-9 Improved Procedure to Replace Tandem Master Cylinder	Service	A new procedure has been developed to improve the replacement of the tandem master cylinder (TMC) without the necessity of bleeding the whole brake system.	30-08-2013
2008-2013	All	2013-10 Fuel Level Gauge Diagnostic Flow Chart	Service	Proper troubleshooting is required to accurately diagnose a defective component and fix the vehicle right the first time. Use this bulletin to troubleshoot: 1. An incorrect fuel gauge reading 2. A stuck fuel gauge reading (always shows full or empty) 3. An unstable fuel gauge reading	16-10-2013
2013	RT	2013-11 Shop Manual Update	Service	Please note that the shop manual of the applicable vehicles has been updated on Knowledge Center in accordance with safety warranty campaign 2013-10. The electronic version of the manual has been modified to reflect the changes to the following sections: - Section 01 Maintenance - MODIFIED subsection 01 Periodic Maintenance Schedule - Section 04 Fuel System - MODIFIED subsection 01 Electronic Fuel Injection - Section 04 Fuel System - NEW subsection 02 Fuel Tank and Fuel Pump (RT Series with Heat Management Kit) - Section 07 Chassis - NEW subsection Body (RT Series with Heat Management Kit).	05-2015
2013	RS ST RT	2013-1 Front Suspension Lower Arm - Ball Joint Replacement	Warranty	Some vehicles have been produced using front suspension lower arm ball joints with too high friction that may affect the dynamic driving performance and the customer satisfaction.	26-02-2013
2013	RS ST RT	2013-2 Wheel Alignment	Warranty	Some units left the factory with the wheel alignment out of the specification.	04-03-2013
2013	RT	2013-3 Tri Axis Adjustable Handlebar	PAC Warranty	A problem with the coating thickness may cause damage to the finish of the part's surface (such as scratches).	19-04-2013
2011 2012 2013	RT-622 Trailer	2013-4 Ground Harness	Warranty	RT-622 trailers may experience electrical issues due to trailer light module failure.	29-05-2013
2013	RS ST	2013-5 Possible Front Shocks Dampening Issues	Quality Warranty	Some vehicles may have been produced with shock absorbers without enough dampening. Affected vehicle may experience symptoms such as: - More prominent need to correct steering trajectory. - More significant front end dive while braking. - More noticeable curb-steer on one side compared to the other.	03-07-2013
2013	RS-S RT	2013-6 Stabilizer Bar Link Rods	Warranty	Some vehicles have been produced with weak stabilizer bar link rods.	15-07-2013
2013	RT	2013-7 Possible Front Shocks Dampening Issues	Quality Warranty	Some vehicles may have been produced with shock absorbers without enough dampening. Affected vehicle may experience symptoms such as: - More prominent need to correct steering trajectory. - More significant front end dive while braking. - More noticeable curb-steer on one side compared to the other.	17-07-2013
2013	ST RT	2013-8 Tandem Master Cylinder Manifold Inlet-Fire Hazard	Safety Warranty	Under some riding conditions, the tandem master cylinder manifold inlet may melt and cause brake fluid dripping onto a heat source which may lead to a vehicle fire.	04-09-2013
		2013-9 Fuse Boxes.		A - Seal the front fuse boxes Water may infiltrate either of the front fuse boxes. The source of the infiltration may be: 1. The fuse box cover. 2. The bus-bar connection behind fuse box 3. Any of the wire splices behind fuse box. B - Update ECM software	

2013	All	ECM Software, Belt Guard	Warranty	Code P1614 may be triggered and cause a limp home mode when starting the engine. The indicator lamp and message HI TEMP may appear at engine startup, even if unit is at normal operating temperature. Engine heat felt by the driver may be uncomfortable. C - Replace upper belt guard retaining screws Retaining screws may not secure the belt guard properly.	01-04-2014
2013	RT	2013-10 Elevated Temperature in Engine Compartment	Safety Warranty	PROBLEM Under very hot ambient conditions and low speed riding, the temperature in the engine compartment may rise and thereby increase the risk of a skin burn or a vehicle fire. SOLUTION Install improved body panels and an upgraded fuel system kit. Update the ECM after the repair.	26-05-2015

Training

MY	Model	Document Description	Hyperlink	Revised Date
2013	All	2013 Can-Am Roadster Technical Update Presentation	Link	13-03-2013
2013	All	2013 Roadster mid-season presentation section 1	Link	12-08-2013
2013	All	2013 Roadster mid-season presentation section 2	Link	12-08-2013
2013	All	2013 Roadster mid-season presentation section 3	Link	13-08-2013
2013	All	2013 Roadster mid season presentation section 4	Link	15-08-2013

Attachment:

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