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ROADSTER 2014 Product Reference Article - 108140

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Language

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Up-to-date technical information on the 2014 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
2014	RT	Noisey Fuel Pump	No BOSSWeb Case needed	The 1330 engine fuel pump has an incorporated pressure regulator. On certain units the pressure regulator valve may oscillate and produce a noise heard at idle. Although this situation will not cause any type of failure or runnability issues the fuel pump may be replaced under regular warranty. Service parts have been updated with an improved version to avoid this. the fuel pump part number has not changed.		06-08-2015
2014	RT	Parking brake motor doesn't hold position	No BOSSWeb Case needed	Refer to Quality Warranty Bulletin 2015-5 Refer to linked TST to view example of parking brake motor typical failure. Replacement of the parking brake motor is necessary.	TST Link	09-07-2015
2014	RT	Vehicles pulling to right	No BOSSWeb Case needed	Refer to the linked TST for details (will be updated as necessary).	2014 Steering Pulling To The Right (RT)	14-05-2015
2014	All	D.E.S.S. key recognition	No BOSSWeb Case needed	On 2014 RS/ST/RT units (2nd generation D.E.S.S. module), D.E.S.S. ERROR is displayed in the Cluster, unit will not start. This is intermittent and unpredictable. Refer to linked TST, replacement of the D.E.S.S. for improved MY16 D.E.S.S. module is available.	2014-015 D.E.S.S. Error Displayed In Cluster	01-10-2015
2014	All	Front tire vibration, handlebar vibration	No BOSSWeb 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 and Articles

MY	Model	Title	Type	Comment
2014	RT	P2806 - Gearbox position in invalid range	TST	This code can be triggered when a customer tries to upshift but the Cluster displays "E" as a gear position. In this circumstance the upshift is not possible until the throttle is completely released and another upshift is requested. This symptom is resolved by updating the ECM with the 219800365.fc file available in B.U.D.S. R3.6.0 and higher.
2014	RT	P0810 - too many error in clutch pressure error table	TST	The TCM is analysing clutch pressures and when errors are noticed a counter increases. When the number of errors reaches a limit the Fault P0810 is triggered. NOTE: The code is only visible in B.U.D.S., even if it is active it will not affect engine performance. If the code is occurred - clear it.
2014	RT	Cluster Remains Active With Key Off	TST	If the accessory fuses F6 and F7 are both installed at the same time the Cluster will remain powered even when the key is off.
2014	RT	Engine Oil Leak Detection	Service	Can be used in any 4-stroke engine for all BRP brands to detect an oil leak. Oil dye can be ordered through BRP using part # but can also be purchased locally at auto parts store. Dlr will need to purchase a U.V. light on his own.
2014	RT SE6	Oil Leak At Clutch Cover Oil Pressure Sensor Threads	TST	A possible source of an oil leak on the 1330 engine is from the clutch cover oil pressure sensor threads. This TST will explain the repair procedure.
2014	RT SE6	Oil Leak At Clutch Cover Oil Pressure Sensor Housing Set Screw	TST	A possible source of an oil leak on the 1330 engine is from the clutch cover oil pressure sensor housing set screw. This TST will explain the repair procedure.
2014	RT	1330 Oil Leak At Sump Cover Bolt or Crankcase Bolt	TST	A possible source of an oil leak on the 1330 engine is from bolt threads of the oil sump cover or crankcase. This TST will explain the repair procedure.
2014	RT	Engine Oil Level Verification	TST	This TST will discuss the correct method to check the oil level on a 1330 engine.

		Procedure (1330)		
2014	All	Key Code Identification	TST	This TST is to assist with properly identifying the ignition switch key code in case the key code tag has been lost or is not available. In reference to warranty bulletin 2014-8.
2014	All	2nd Generation D.E.S.S. Principal Of Operation	TST	This TST describes the principal of operation of the 2nd generation of D.E.S.S. module installed on MY14 and up.
2014	SE6	Engine Stall When Shifting After Restart	TST	BRP has received reports of SE6 1330 engines stalling when shifted from neutral after being restarted. This TST explains the situation.

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
2014	All	2014-1 Introduction Of Long Life Antifreeze	Service	BRP is now offering long life antifreeze for all vehicles platforms. This new antifreeze can be identified by its orange color and is being introduced on 2014 vehicles.	23-08-2013
2014	All	2014-2 Battery Activation Charging and Maintenance	Service	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 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.	11-09-2013
2014	All	2014-3 Paint Codes	Service	These paints should be used for minor touch-ups only.	13-09-2013
2014	All	2014-4 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.	11-09-2013
2014	RS ST	2014-5 Alternative Rear Suspension Spring	Service	BRP is now offering an alternative rear spring. Refer to the following table to choose the suspension spring that corresponds to the owner's requirements. -> A vehicle ridden with a passenger or with a load superior to 136 kg (300 lb) (including driver, passenger and/or rear cargo load), may benefit from a stiffer spring. -> A vehicle ridden without passenger or with a load inferior to 136 kg (300 lb) (including driver and/or rear cargo load), may benefit from a softer spring. NOTE: Replacing a suspension spring is not covered under warranty.	15-04-2014
2014	All	2014-6 Roadster Alignment Specifications	Service	All Roadster alignment information	07-04-2014
2014	RT	2014-7 Shop Manual Modifications	Service	Following few feedback from several dealers, we have revised and updated several procedures in the electronic versions of the shop manuals from the above mentioned vehicles. The changes to the previous procedure are shown in GREEN . You can find the electronic shop manual on the Knowledge Center using this article number or this keyword. - 45124 or SM61Y013 (2013 Spyder RS, ST and RT Shop Manual) - 53661 or SM61Y014 (2014 Spyder RT Shop Manual Supplement)	15-08-2014
2014	RS ST	ROADSTER 2014-1 Front Fuse Box Covers Replacement, Update ECM Software	Warranty Campaign 2014-0001 (Find as TST type)	An improved fuse box cover is now used in production. Since this was a running change, a very limited quantity of vehicle were produced having a version of the fuse box cover which no longer meets BRP standards. Replace fuse box covers. Update ECM with latest version of software to correct the outlined problems. - 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.	23-01-2014
2014	RT	ROADSTER SE6 Clutch Cover Oil Leak (Set Screw)	Warranty Campaign 2014-0002	Due to a lack of bonding of the threadlocker, an oil leak from a set screw is possible. A new sealing procedure has been implement in production and an initial very limited quantity of vehicles may have been affected before the change.	23-01-2014

			(Find as TST type)	To correct this situation, remove and discard factory installed set screw. Install new set screw using sealing procedure defined in this document.	
2014	All	ROADSTER 2014-2 OBSOLETE - Flashers, Ignition Key, Ignition Switch	Warranty Campaign 2014-0003	This bulletin has been superseded by: Warranty Bulletin 2014-8	24-03-2014
2014	RT SE6	ROADSTER Slipping Clutch	Warranty Campaign 2014-0004	The bracket retaining the clutch and line pressure solenoids may be incorrectly installed. This condition will cause the clutch to slip under load when the engine has reached normal operating temperature. Fault code(s) P081E and/or P196D will show as Occurred in B.U.D.S.	31-03-2014
2014	RS-S ST	ROADSTER 2014-4 Inoperative Reverse Light - Update Cluster (AUSTRALIA ONLY)	Warranty Campaign 2014-0005	The reverse light does not come on when vehicle is shifted into reverse.	12-06-2014
2014	RT	2014-5 Loose Windshield/Gas Cap (UNREGISTERED ONLY)	Warranty Campaign 2014-0006	A - Loose Windshield On RT Models One or more of the screws holding the windshield assembly may break. B - Gas Cap May Be Impossible To Remove The ratcheting mechanism inside the gas cap can fail.	18-07-2014
2014	RT	2014-6 Loose Windshield	Quality Warranty Campaign 2014-0007	One or more of the screws holding the windshield assembly may break.	18-07-2014
2014	RT	Roadster Installing Engine Bushing For Link Rod	Warranty Campaign 2014-0008	4 units have been produced without the bushing in the engine case where the engine link rod attaches.	23-07-2014
2014	RS ST	2014-7 Gas Cap May Be Impossible To Remove (UNREGISTERED VEHICLES ONLY)	Warranty Campaign 2014-0009	Gas cap may be impossible to remove The ratcheting mechanism inside the gas cap can fail.	03-10-2014
2014	All	2014-8 Flashers, Ignition Key	Warranty Campaign 2014-0010	A - Fast Flasher Blink Rate The multifunction gauge cluster requires re-calibration of the flasher blink rate. B - Possible Defective Ignition Key A limited number of ignition keys may need to be modified. The potential failure may include: - Unable to turn key in ignition switch - Unable to remove key from ignition switch.	06-11-2014
2014	RT	2015-5 Insufficient Parking Brake Cable Tension When Applied	Quality Warranty Campaign 2014-0011	PROBLEM The parking brake motor may not apply/hold enough tension on the brake cable. SOLUTION Replace the parking brake motor with the REQUIRED PART.	09-07-2015

Training

MY	Model	Document Description	Hyperlink	Revised Date
2014	All	2014 Technical Update presentation	Link	10-02-2014
2014	RT	2014 Rotax type 1330 Technical Training Document	Link	27-01-2014
2014	All	ROADSTER 2014 Roadster Mid Season Presentation	Link	23-08-2014

Attachment:

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