

YEAR	MODEL	MODEL NUMBER	SERIAL NUMBER
2014	Spyder RT 1330 ACE™ SE6	A4EB, A4ED, A4EF, A4EG, A4EH, A4EK, A4EM, A4EN, A4ER, B2EB, B2ED, B2EE, B9EB, B9EC, B9ED, B9EE, B9EG, B9EH, B9EK, B9EL, B9EN, B9ER, B9ET, B9EU, B9EV	See attached list

PROBLEM

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.

SOLUTION

Remove the clutch cover and correctly reinstall the retaining bracket.

REQUIRED PARTS

Order through the normal channel.

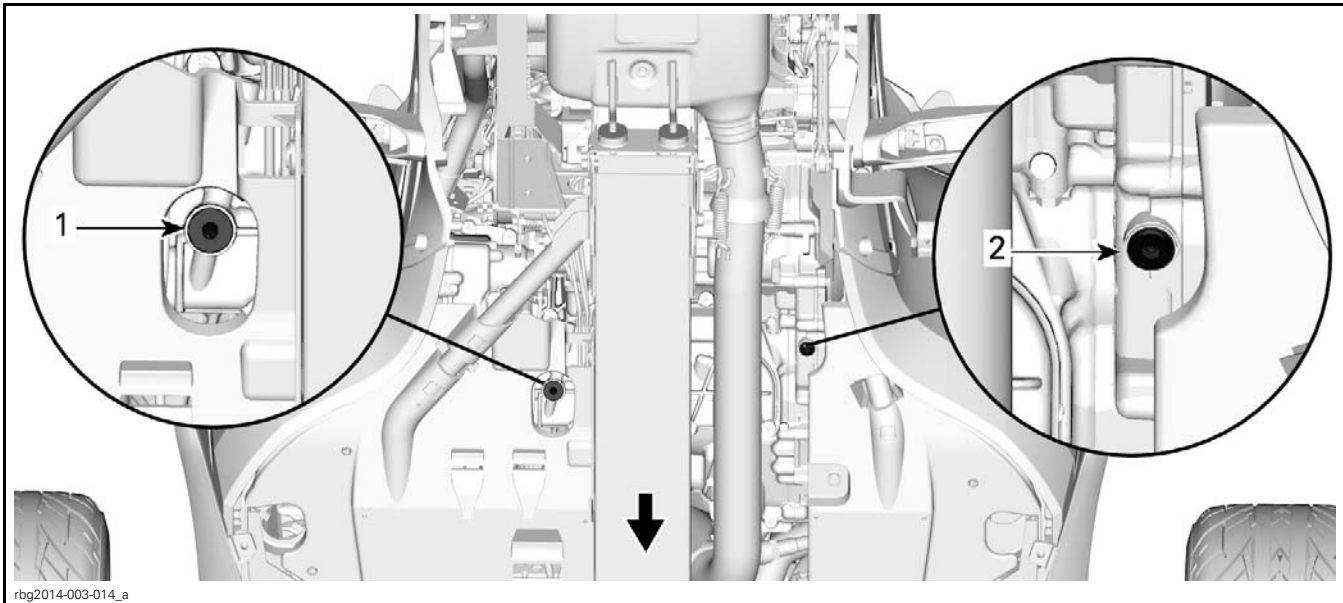
DESCRIPTION	PART NUMBER	QUANTITY
Clutch cover gasket	420 450 050	1
HCM Gasket	420 450 030	1
XPS 4-stroke synthetic blend oil	293 600 121	5.5 L (5.81 qt (U.S. liq.))
M8 X 30 Flanged screw (master cylinder)	207 583 044	2
M8 X 20 Flanged screw (lateral support)	207 582 044	2
M6 X 16 Flanged screw (inner foot rest support)	207 561 644	2
M6 Elastic nut (RH lower lateral support)	250 100 130	2
M6 Elastic nut (fuel tank ground)	233 261 414	1
Locking tie (HCM harness)	414 115 200	2
Cotter pin (master cylinder push rod)	371 800 700	1
Transmission drain plug washer (clutch cover)	420 250 640	1
Engine drain plug washer (oil sump cover)	420 430 623	1
Smaller o-ring (engine drain plug)	420 430 115	1
Larger o-ring (engine drain plug)	420 250 460	1

REQUIRED TOOLS

DESCRIPTION	PART NUMBER	QUANTITY
Center bolt (to align clutch cover)	529 036 290	3

PROCEDURE

Drain engine oil from drain plugs located under the engine and transmission. Discard washers and o-rings.

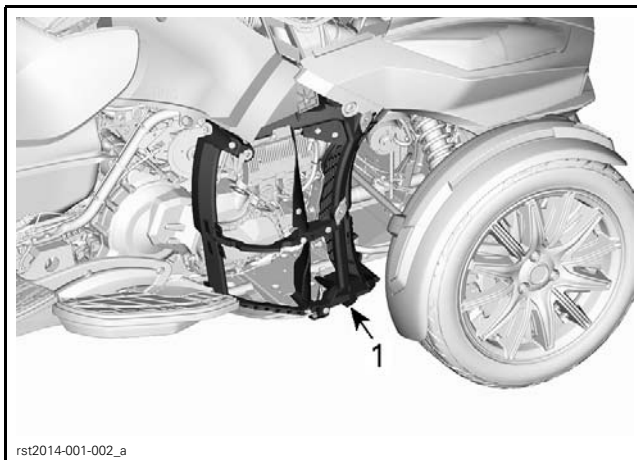
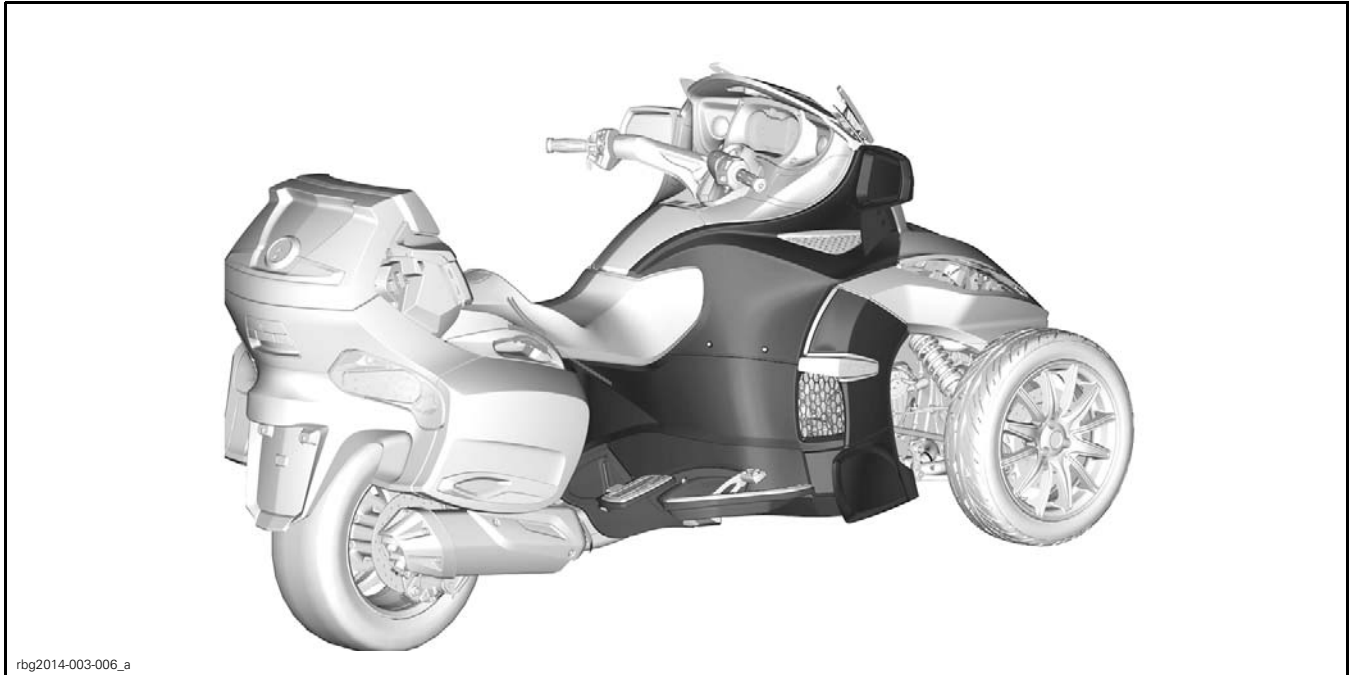


DRAIN PLUG LOCATION

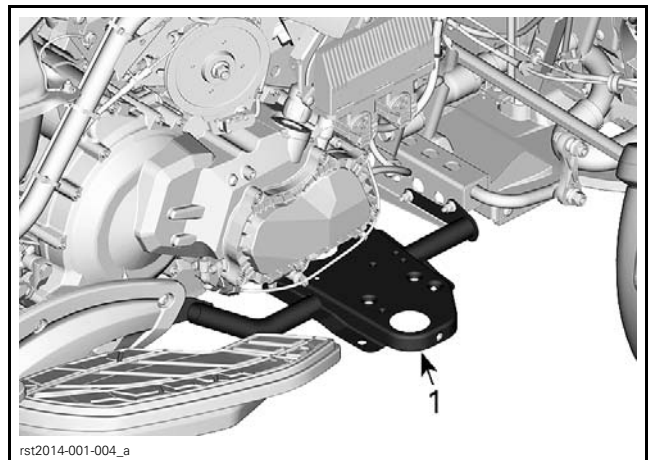
1. Engine drain plug
2. Transmission drain plug

Clutch Cover Access

1. Remove darkened body panels to access the clutch cover. If required, refer to the electronic version of the *2014 ROADSTER SHOP MANUAL SUPPLEMENT* available on Knowledge Center.

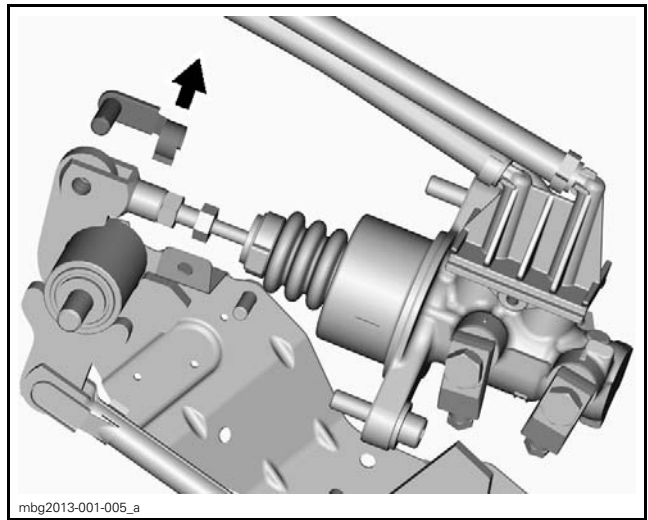
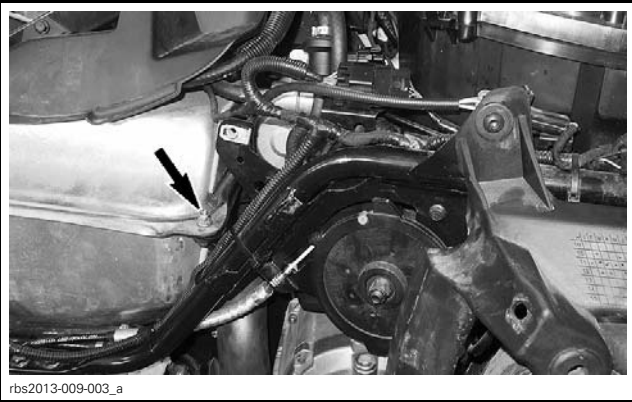


1. RH lateral panel support assembly

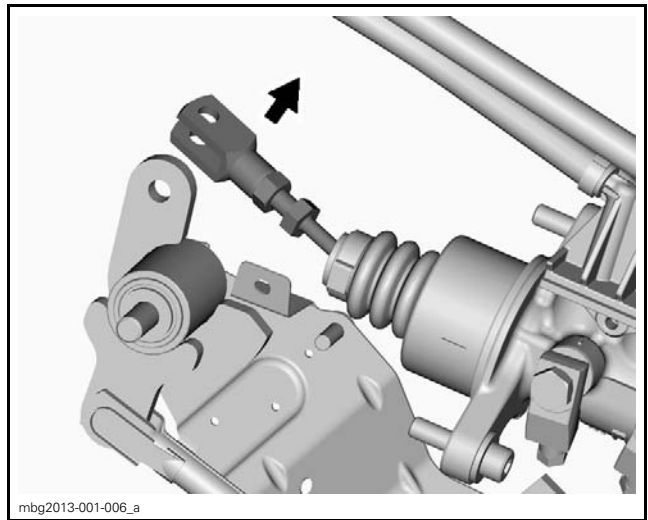
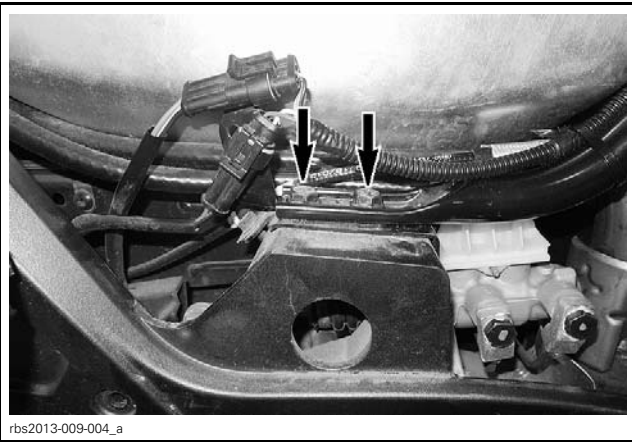


- DISCARD BOTH ELASTIC NUTS**
1. RH lower lateral support.

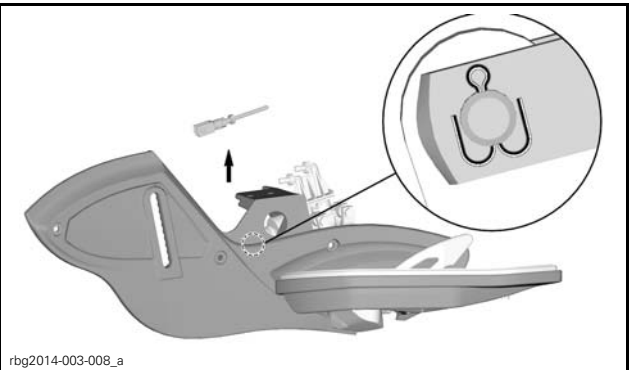
2. Remove the bolt securing lateral support to fuel tank. Discard the nut.



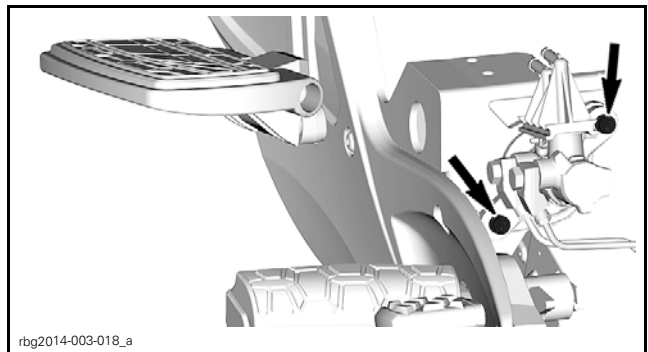
3. Remove and discard bolts (2x) retaining the bottom of RH lateral support.



4. Remove master cylinder push rod. Discard cotter pin.

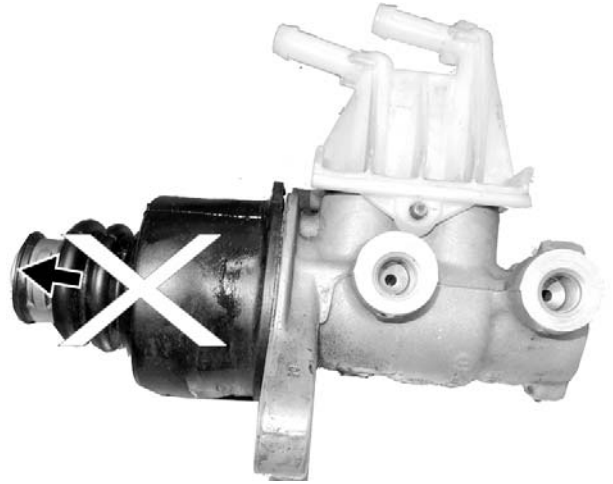


5. Remove master cylinder retaining screws. Discard screws.

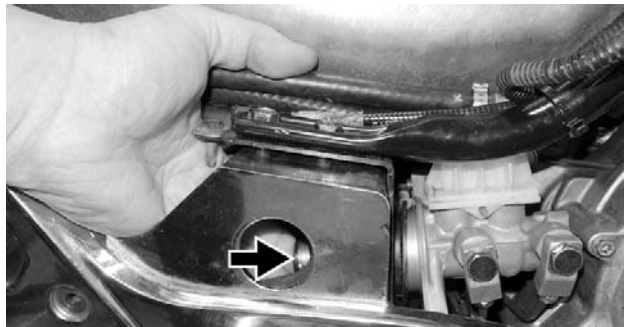


The next step involves removing the footrest, observe the following precautions

Do not let piston fall out of master cylinder



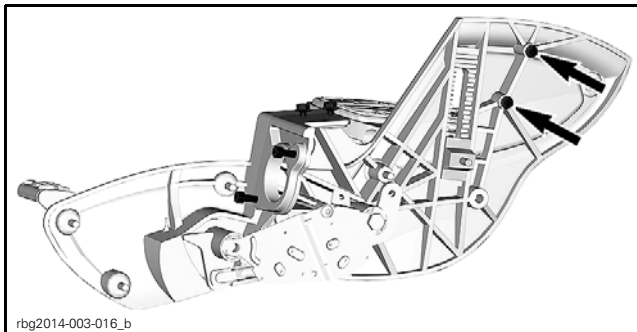
Constantly push the master-cylinder piston in while removing footrest. The video in article # 27799 on *KNOWLEDGE CENTER* will show you how.



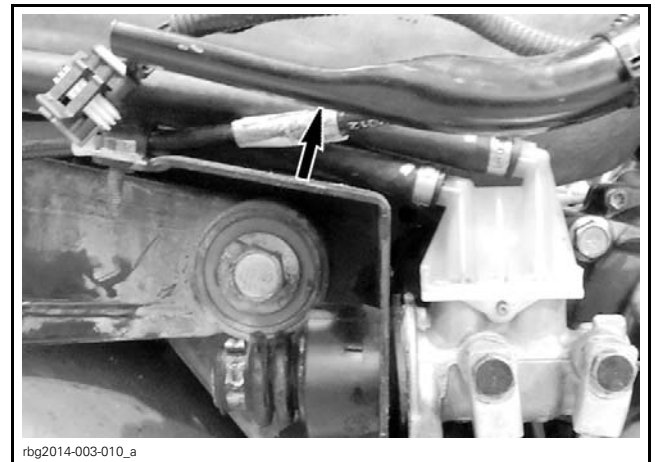
⚠ WARNING

If the piston comes out, re-install it. The brakes will have to be bled.

6. Remove footrest assembly. Discard screws.



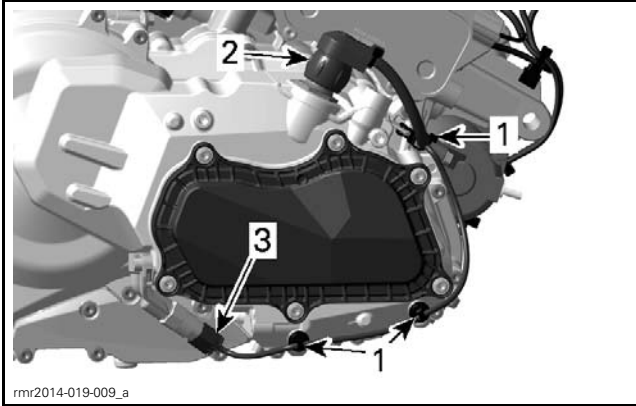
INNER VIEW



7. Insert a piece of wood (2" x 3") between frame and the bottom of the RH lateral support.

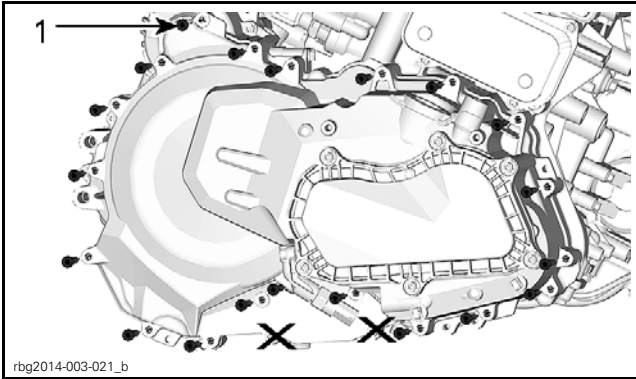
Clutch Cover Removal

Remove locking ties and disconnect HCM connector and clutch pressure sensor connector.



- 1. Locking ties
- 2. HCM connector
- 3. Clutch pressure sensor connector

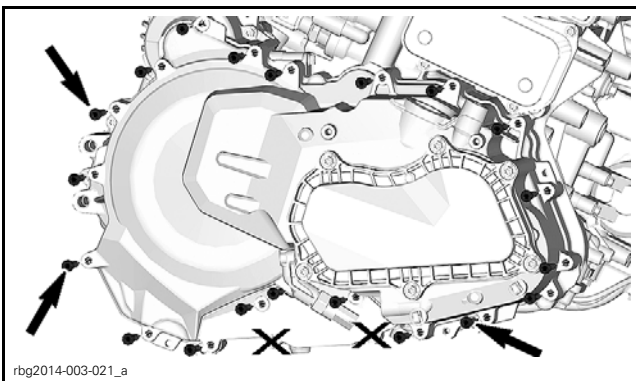
Remove clutch cover screws.



- CLUTCH COVER SCREWS**
- 1. Shorter screw

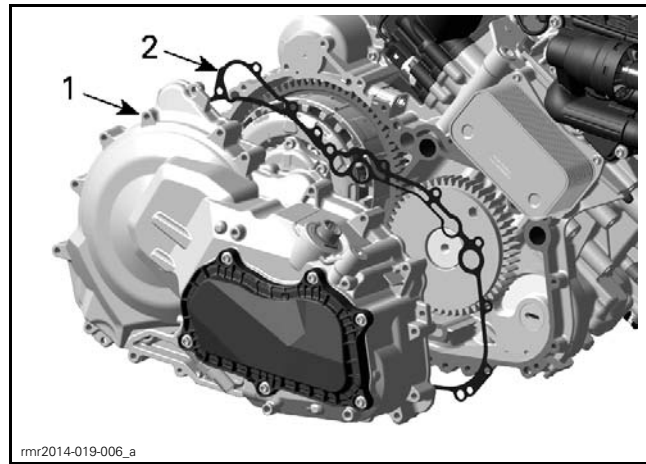
Replace indicated screws with center bolts.

REQUIRED TOOL	
CENTER BOLT (P/N 529 036 290)	



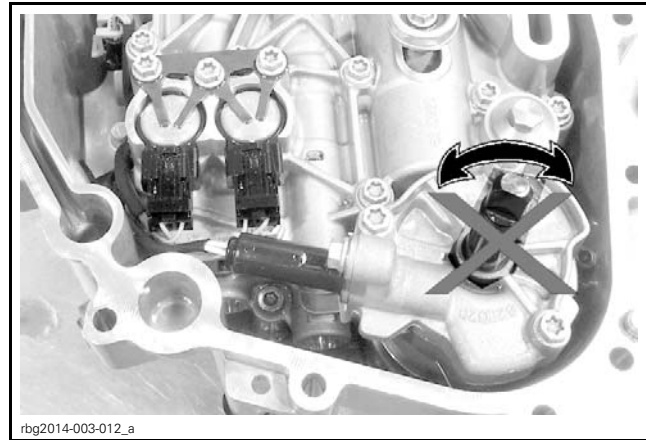
Remove clutch cover. Discard gaskets.

NOTE: About 2 L (2.11 qt (U.S. liq.)) will come out.



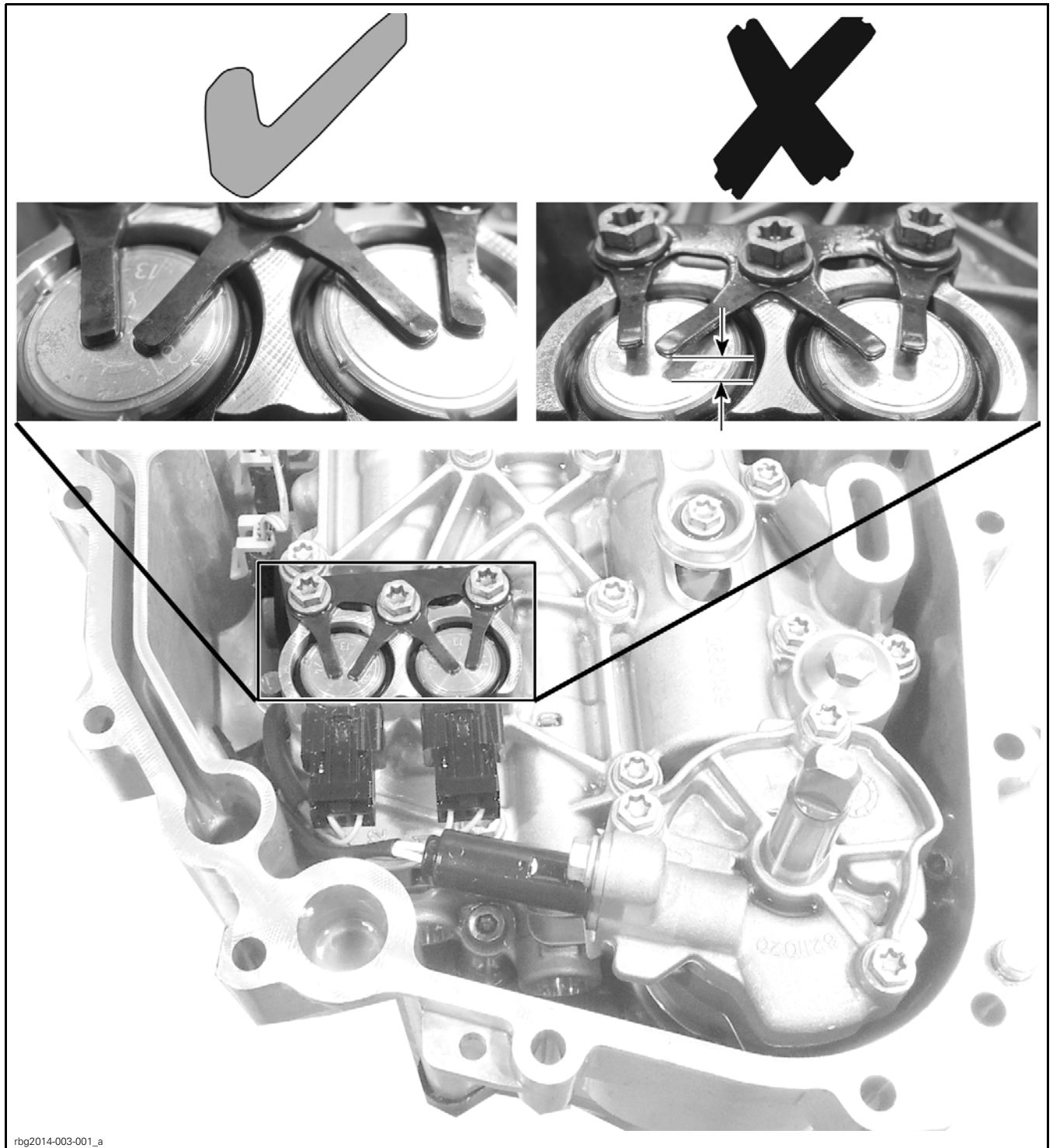
- 1. Clutch cover
- 2. Gasket

NOTE: When cover is removed, do not turn oil pump shaft.



OIL PUMP SHAFT

Repair



rbg2014-003-001_a

TIGHTENING TORQUE

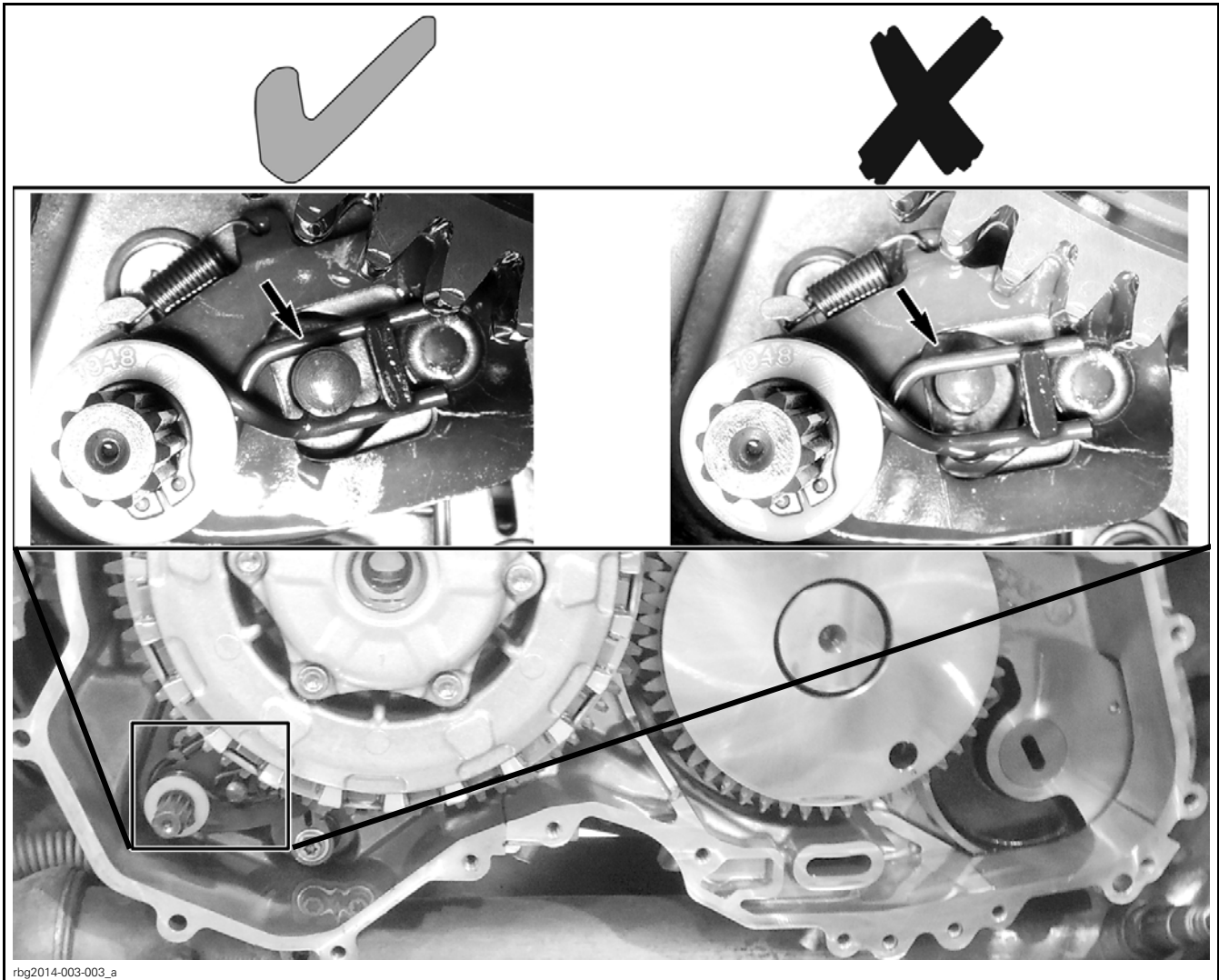
Clutch and line solenoid retaining bracket screws

10 N•m ± 1 N•m (89 lbf•in ± 9 lbf•in)

Clutch Cover Installation

For installation, reverse the removal procedure. However, pay attention to the following.

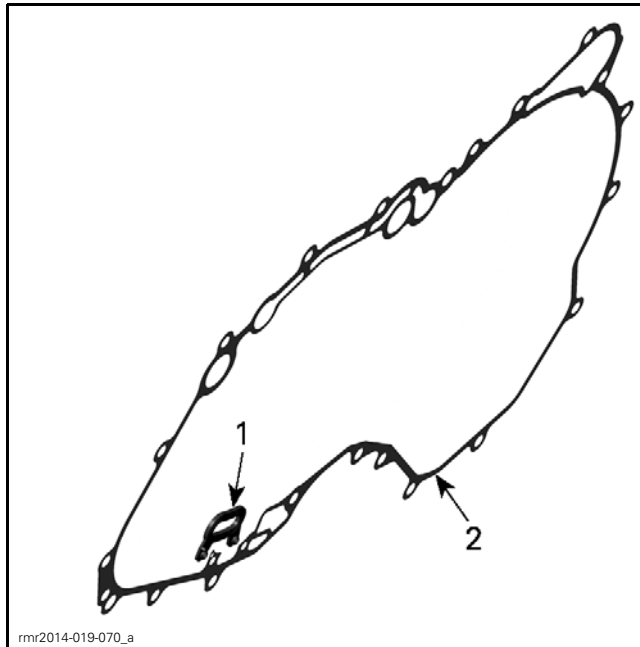
NOTICE Align mechanism and push shift shaft into transmission.



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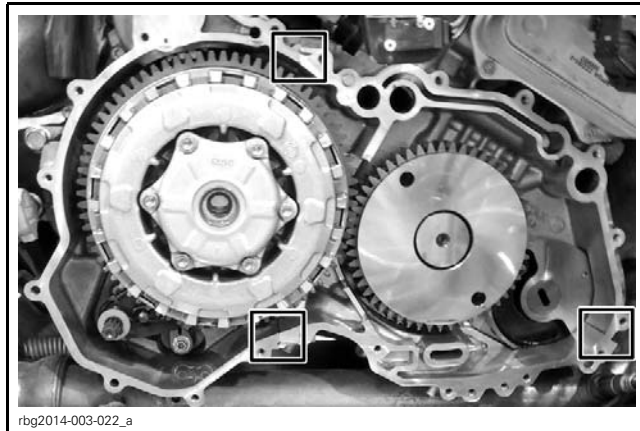
ON VEHICLE

Fit **NEW** small HCM gasket on **NEW** clutch cover gasket.

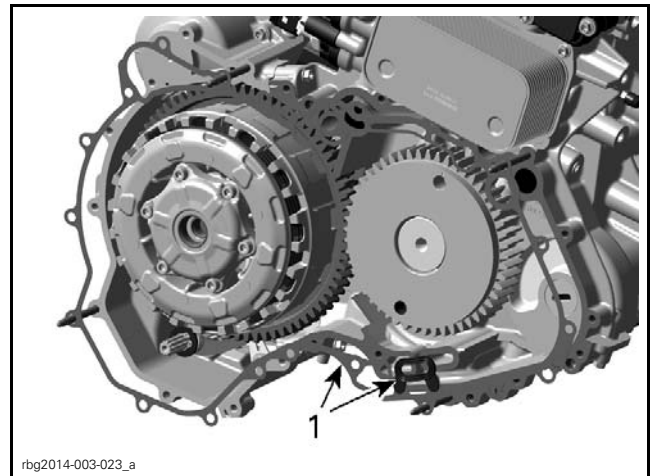


- 1. HCM gasket
- 2. Clutch cover gasket

The illustrated mating surfaces on the transmission must be oil free when the clutch cover is installed.

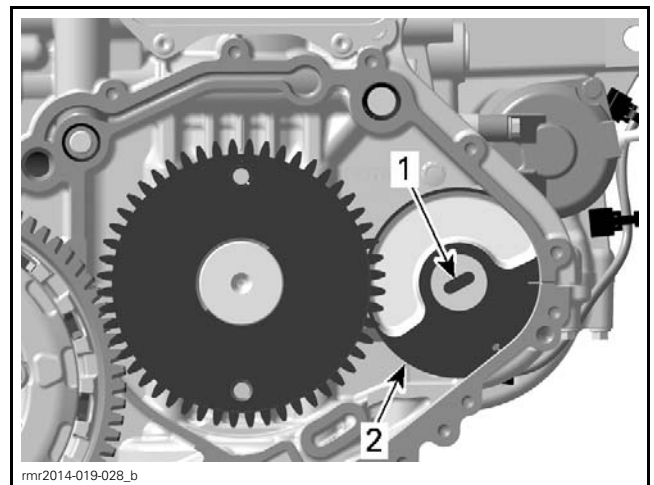


Wipe the entire clutch cover mating surface clean.
Install **NEW** clutch cover gaskets.



- 1. Gaskets

Attach the clutch cover taking care that the 2 flat surfaces of the oil pump shaft insert into the slot of the balance shaft.



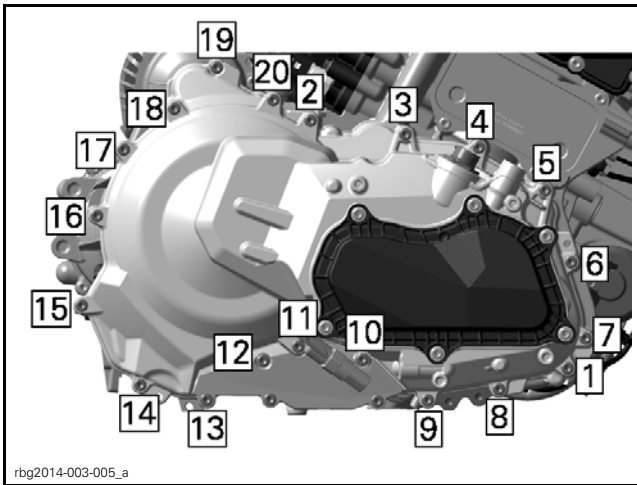
- 1. Slot
- 2. Balance shaft

Install and hand tighten a clutch cover retaining screw beside each center bolt.

Remove the center bolts.

Install remaining clutch cover screws.

NOTE: The shorter screw is [19].



TIGHTENING SEQUENCE

CLUTCH COVER TIGHTENING PROCEDURE	
STEP A (first 3 screws)	5 N•m ± 0.6 N•m (44 lbf•in ± 5 lbf•in)
STEP B (all screws, including first 3)	11 N•m ± 1 N•m (97 lbf•in ± 9 lbf•in)

Reinstall remaining parts.

TIGHTENING TORQUES	
M8 X 30 Hexagonal flanged screw (master cylinder)	25 N•m ± 3.5 N•m (18 lbf•ft ± 3 lbf•ft)Text
M8 X 20 Hexagonal flanged screw (lateral support)	15 N•m ± 1.5 N•m (133 lbf•in ± 13 lbf•in)
M6 X 16 Hexagonal flanged screw (inner foot rest support)	10 N•m ± 2 N•m (89 lbf•in ± 18 lbf•in)
M6 Hexagonal elastic nut (fuel tank ground)	10 N•m ± 2 N•m (89 lbf•in ± 18 lbf•in)
M6 Elastic nut (RH lower lateral support)	10 N•m ± 2 N•m (89 lbf•in ± 18 lbf•in)
Engine drain plug (oil sump cover)	28 N•m ± 2 N•m (21 lbf•ft ± 1 lbf•ft)
Transmission drain plug (clutch cover)	20 N•m ± 1 N•m (15 lbf•ft ± 1 lbf•ft)

Add engine oil, 5.5 L (5.81 qt (U.S. liq.)).

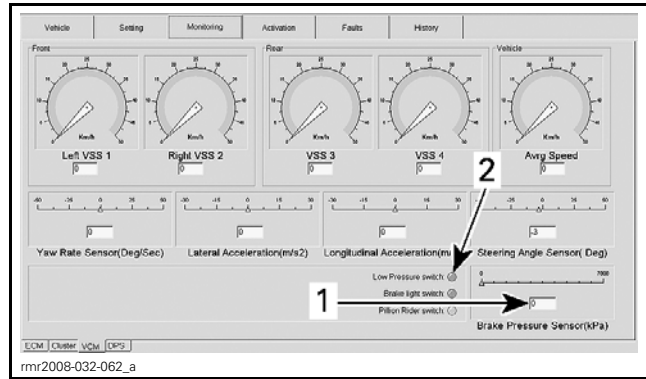
NOTICE Do not pump up the brake pedal repeatedly before doing the validation.

In B.U.D.S., select **Monitoring** folder then the **VCM** page.

Slowly depress the brake pedal (only once) until you reach **3500 kPa (508 PSI)** at the brake pressure sensor.

Maintain the brake pedal in position.

Check the **Low Pressure Switch** button value on the computer screen.



TYPICAL

1. Brake Pressure Sensor (PSI) value
2. Low Pressure Switch button

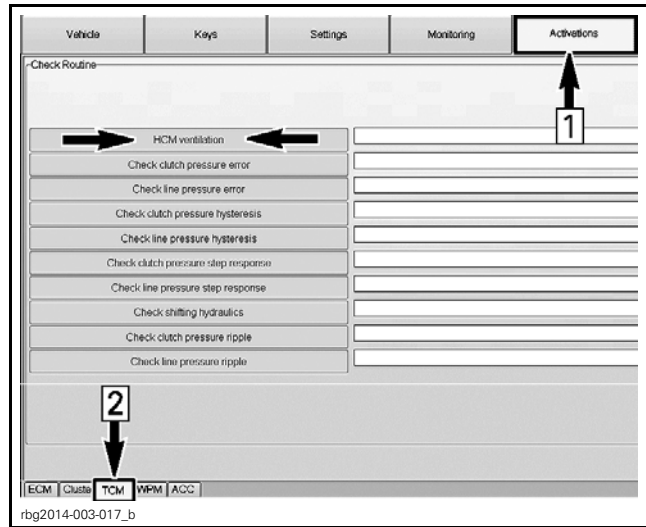
If **Low Pressure Switch** button is still off when you reached the required pressure the validation is successful.

If the validation is unsuccessful, ensure that the master cylinder is properly installed.

If the master cylinder is properly installed, refer to the applicable *SHOP MANUAL* for the brake bleeding procedure.

Start engine.

Initiate HCM ventilation from B.U.D.S..



- Step 1: Activations screen
- Step 2: TCM tab

Clear all fault codes.

WARRANTY

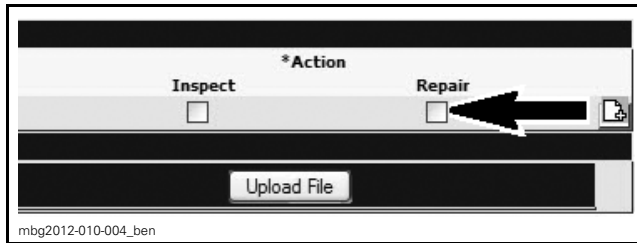
Repair

Submit a campaign claim using the following information.

For claiming procedure, refer to the *DEALER/DISTRIBUTOR WARRANTY GUIDE*.

Campaign Number	2014-0004
Claim Type	Campaign Claim
Action	Repair
Flat Rate Time	2.5 hour
Expiry date	March 31, 2015

Click the *REPAIR* box while completing your claim on BOSSWeb.



The screenshot shows a web form with a section titled '*Action'. Underneath, there are two radio button options: 'Inspect' and 'Repair'. The 'Repair' option is selected, and a black arrow points to its checkbox. Below the form is an 'Upload File' button. The text 'mbg2012-010-004_ben' is visible at the bottom left of the screenshot.

SERIAL NUMBERS LISTING OF INVOLVED VEHICLES

Model: A4EB

From 000329 to 000330
From 000332 to 000335
From 000516 to 000542
From 000735 to 000768
001023
From 001057 to 001076
From 001524 to 001537
From 002125 to 002131

Model: A4ED

From 000505 to 000507
From 000543 to 000571
From 000769 to 000807
From 001077 to 001102
From 001538 to 001561
From 002146 to 002150
From 002152 to 002153

Model: A4EF

From 000572 to 000575
From 000808 to 000810
From 001025 to 001029
From 001103 to 001108
From 001110 to 001117
From 001119 to 001121
From 001562 to 001577
002161
002553

Model: A4EG

From 000811 to 000821
From 001578 to 001579

Model: A4EH

001030
From 001122 to 001136
From 001580 to 001604
From 002166 to 002169
From 002171 to 002172

Model: A4EK

From 000513 to 000515
From 000576 to 000598
From 000822 to 000841
From 001137 to 001164
From 001610 to 001673
From 002196 to 002197
From 002199 to 002205

Model: A4EM

From 000599 to 000604
000734
From 000842 to 000846
From 001031 to 001039
From 001165 to 001177
From 001691 to 001694

Model: A4EN

From 000847 to 000854

Model: A4ER

000389
From 000393 to 000398
000502
From 000605 to 000607
From 000859 to 000871
From 001178 to 001186
001696
002221
002223

Model: B2EB

From 000608 to 000612
From 000872 to 000876
From 001187 to 001211
From 001702 to 001714
002238

Model: B2ED

From 001212 to 001215
001715
002240

Model: B2EE

From 000613 to 000614
000877
From 000879 to 000883
From 001216 to 001255
From 001724 to 001746
From 002244 to 002245

Model: B9EB

From 000400 to 000402
From 001256 to 001264
From 001747 to 001776
001778
002266
From 002277 to 002280
002282
002284
From 002287 to 002288

Model: B9EC

From 000884 to 000886
From 001265 to 001321
From 001809 to 001823
From 001840 to 001841
002321
002323
002325
002327
002331
From 002697 to 002698

Model: B9ED

From 000615 to 000617
From 000887 to 000891
From 001322 to 001335
From 001861 to 001864
002347

Model: B9EE

000410
From 000414 to 000419
From 000619 to 000653
From 000892 to 000909
From 001336 to 001351
From 001873 to 001891
From 001893 to 001904
From 002373 to 002374
From 002377 to 002379

Model: B9EG

From 000654 to 000663
From 000910 to 000911
From 001040 to 001056
From 001352 to 001390
From 001912 to 001941
From 002387 to 002388
002743

Model: B9EH

From 000912 to 000933
From 001942 to 001945
From 002389 to 002393

Model: B9EK

From 000441 to 000446
From 000664 to 000668
From 000934 to 000944
From 001391 to 001403
From 001946 to 001947
From 002400 to 002401

Model: B9EL

From 000467 to 000472
From 000669 to 000704
From 000945 to 000956
From 001404 to 001420
From 001422 to 001431
From 001954 to 001965
From 001967 to 001971
From 002413 to 002415

Model: B9EN

From 000705 to 000707
000957
From 001432 to 001433
001984
From 002426 to 002427

Model: B9ER

000289

From 000473 to 000475

From 000708 to 000712

From 000958 to 000989

From 001434 to 001453

From 001455 to 001466

From 001990 to 002025

002039

002459

From 002461 to 002464

002467

002474

002826

Model: B9ET

From 000713 to 000716

From 000990 to 000997

From 001467 to 001478

From 002078 to 002079

From 002476 to 002478

Model: B9EU

From 000495 to 000497

From 000717 to 000726

From 000998 to 001008

From 001479 to 001492

002085

From 002485 to 002488

Model: B9EV

From 000500 to 000501

From 000727 to 000733

From 001009 to 001022

001024

From 001493 to 001523

From 002091 to 002108

002505

002507

002509