

May 5, 2010

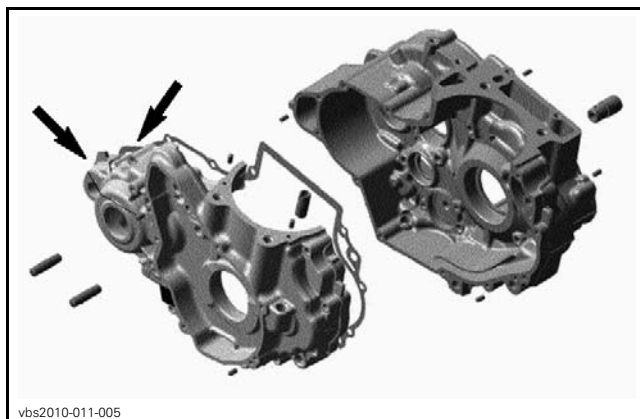
Subject: **DS 450™ Service Parts for Crankcase**

No. **2010-8**

YEAR	MODEL	MODEL NUMBER	SERIAL NUMBER
2008 to 2010	DS 450	All	All

NEW CRANKCASE COMPONENTS

Model year 2010 introduces a redesigned crankcase configuration for all DS 450.

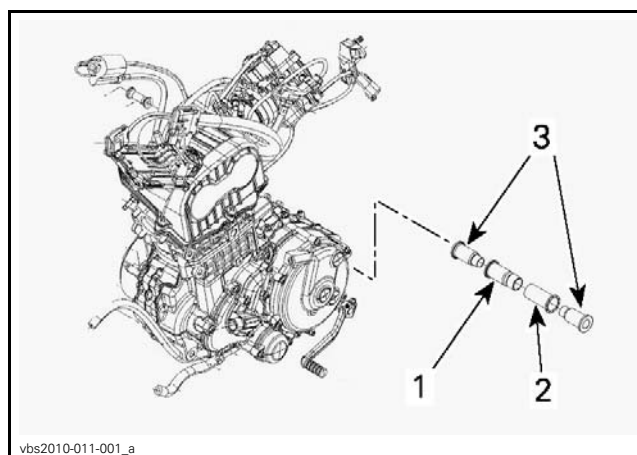


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MY 2010 CRANKCASE (P/N 420 685 086)

Redesigned Crankcase Configuration

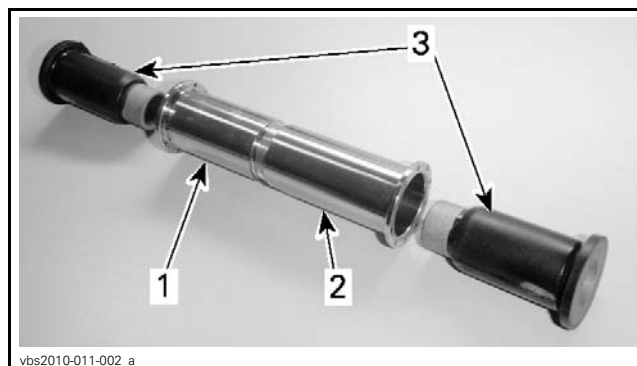
The swing arm pivot point located at the rear of the engine crankcase has been redesigned to add a "Spacer and Rubber Mount" design. These new components add strength for extreme race riding conditions.



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1. RH spacer (P/N 707 000 947)
2. LH spacer (P/N 707 000 948)
3. Rubber mount (P/N 707 000 800)

The spacers are made of high strength steel and designed to be threaded into each other.



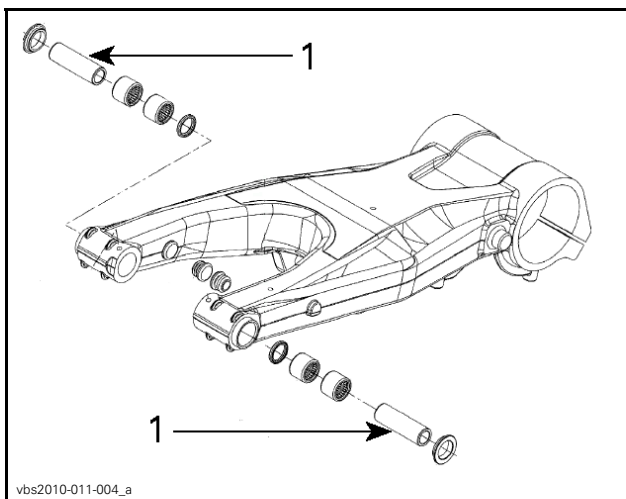
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1. RH spacer (P/N 707 000 947)
2. LH spacer (P/N 707 000 948)
3. Rubber mount (P/N 707 000 800)

The rubber mounts are constructed of steel covered with high density rubber. These are wear items and BRP recommends to replace every 100 hrs (5 000 km (3,000 mi)) . Soapy water will ease their installation.



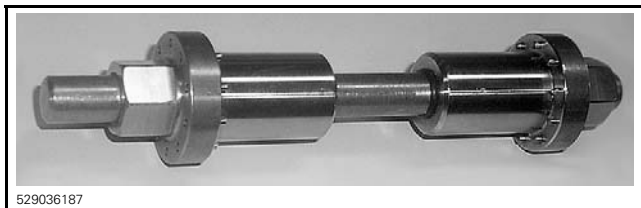
This redesigned crankcase adds width to the assembly, therefore the swing arm bushings have been shortened.



1. Bushing (P/N 706 000 978)

Tool

A special tool SOCKET HOLDER (P/N 529 036 187) is needed for servicing (removal and torquing). This tool is mandatory and will be auto-shipped to dealer and distributors.



Ordering Parts

When ordering a crankcase for MY2008, MY2009 or MY2010, any of these part numbers will automatically supersede to the new crankcase design (MY2010 style), machined for the spacers and rubber bushing concept.

As stated, this new crankcase is designed to work on all year model DS 450 engines. However, the MY 2008 gear set and shift drum are different than MY2009 and later. These parts are no longer available. If there is damage to any of these parts, then the entire assembly needs to be replaced as a kit. Refer to the 2009 Tech Update Book, What's New section for more details.

The RH and LH spacers, the rubber mounts, and the swing arm sleeves need to be ordered separately.

This spacer and rubber mount design can only be installed on a factory machined crankcase; an existing crankcase (MY2008 and MY2009) can not be modified nor updated.

The update still needs to be performed on all older execution crankcases, refer to *WARRANTY BULLETIN 2008-6 : FLYWHEEL BOLTS AND ENGINE MOUNTS*.

Torque

TORQUE	
Steel Spacers	145 N•m to 155 N•m (107 lbf•ft to 114 lbf•ft)
Swing Arm Bolt	105 N•m to 120 N•m (77 lbf•ft to 89 lbf•ft)

New Parts Numbers

ITEMS	NEW PARTS NUMBERS	QTY
MY2010 crankcase	715 900 100	1
Steel spacer RH (male)	707 000 947	1
Steel spacer LH (female)	707 000 948	1
Rubber mount	707 000 800	2
Swing arm sleeve (shorter)	706 000 978	2