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# FSY-09R1-xx Frame Savers

## Yamaha R1 (2009-2012)

<<<<<< PLEASE READ INSTRUCTIONS CAREFULLY BEFORE BEGINNING INSTALLATION >>>>>>

- 1) Remove the left and right side fairings.
- 2) **Remove only one engine bolt at a time! Do not remove the left and right engine bolts at the same time.**
- 3) **LEFT SIDE** Remove the engine bolt from the left side of the motorcycle. (see photo below)



- 4) Install the left side bracket (see photo) using the 12mm x 90mm hex bolt and 12mm ID washer making sure to use Yamaha Race Grease (not thread locking compound). Leave hex bolt loose and install locating cap screw. Torque cap screw to 12Nm / 9ft lbs. Torque hex bolt to 70Nm / 50ft lbs.
- 5) Remove the black O-ring from the left side puck assembly. This is used only for packaging purposes. Apply thread locking compound on the 60mm bolt. Install the left side puck assembly (60mm bolt, small washer, delrin puck and large washer) onto the left side bracket. Torque to 40Nm / 28.8ft lbs.



- 6) **RIGHT SIDE** (see photo below): Remove only the engine bolt from the right side of the motorcycle.
- 7) Install the right side bracket (see photo below) using the 12mm x 60mm hex bolt and 12mm ID washer making sure to use Yamaha Race Grease (not thread locking compound). Leave hex bolt loose and install locating cap screw. Torque cap screw to 12Nm/9ft lbs. Torque hex bolt to 70Nm / 50ft lbs.
- 8) Remove the black O-ring from the right side puck assembly. This is used only for packaging purposes. Apply thread locking compound on the 60mm bolt. Install the right side puck assembly (60mm bolt, small washer, delrin puck and large washer) onto the right side bracket. Torque to 40Nm / 28.8ft lbs.



- 9) Reinstall the left and right side fairings.
- NOTE:** If installing on the **2012 R1** the hole that bolt #7 is to be installed needs to be drilled and tapped in the frame.

2009-2011 have pre-tapped holes from the factory where the 2012 models do not. There is a tab located on the frame which is where the tap will need to be created.

Be sure to periodically check the torque of the bolts.

Replacement pucks are available from Graves Motorsports. Part # FS005K, sold individually.

**2012-2011**

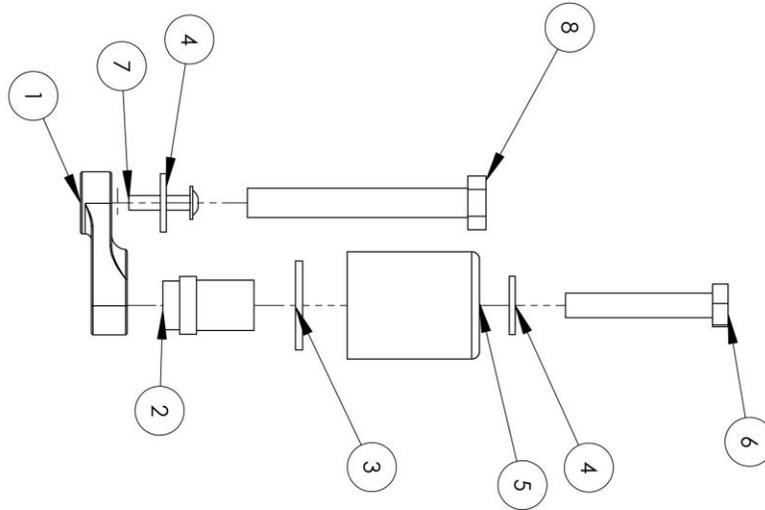
**2009-2010**



The purchaser releases Graves Motorsports, Inc from all liabilities pertaining to the installation and use of purchased parts. Purchaser recognizes that any alteration and/or modifications to the vehicle may increase the risk of injury or accident. **This product is intended for Closed Course Competition Use Only** and may render the vehicle illegal for use on public roads.

## LEFT SIDE

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	FSY-09R1-BL		1
2	FS 016 R		1
3	washer big for FS's		1
4	washer small for FS's		2
5	FS 005 black puck		1
6	60 mm bolt		1
7	6 x 25 FB bolt		1
8	12 x 90 mm bolt		1



## RIGHT SIDE

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	FSY-09R1-BR		1
2	washer small for FS's		2
3	washer big for FS's		1
4	FS 007 SP		1
5	FS 005 black puck		1
6	60 mm bolt		1
7	6 x 25 FB bolt		1
8	12 x 60 mm bolt		1

