

**HYPER ENGINE SPACER DIAGRAM**

Kawasaki ZX6R 600cc '05 - '06				YZF 600R6 '06 & Up			
		<b>R.F.</b>	(2)11/16 Spacers w/ 7/16 Hole (1) 13/16 Spacer w/ 1/2" Hole (2) 7/16-20 x 2 HHCS (2) 1/2 (7/16) Hard Washer (2) 7/16 AN Washers (1) 1/2-20 x 2-1/2 HHCS Must tap engine to 1/2-20			<b>R.F.</b>	(1)11/16 Spacers w/ 1/2 Hole (2) 5/8" spacers w/7/16" hole (2) 1/2 (7/16) Hard Washer (2) 7/16 AN Washers (1) 1/2-20 x 2 HHCS (2) 7/16-20 x 2" HHCS Must tap engine to 1/2-20
<b>L.R.T.</b>	1-1/8 x 7/8 OD w/ 3/8 Hole	<b>R.R.T.</b>	3/8 x 7/8 OD w/ 3/8 Hole	<b>L.R.T.</b>	1/2 x 7/8 OD w/ 3/8 Hole	<b>R.R.T.</b>	38-866 shock reducer
<b>L.R.B.</b>	1/2 x 7/8 OD w/ 3/8 Hole	<b>R.R.B.</b>	1/2 x 7/8 OD w/ 3/8 Hole	<b>L.R.B.</b>	1/2 x 7/8 OD w/ 3/8 Hole	<b>R.R.B.</b>	38-866 shock reducer
	(3) 3/8-16 x 8 HHCS (2) 7/16-20 x 8 HHCS (2) 7/16-20 Nylock Nuts (3) 3/8-16 Nylock Nuts (4) 7/16 (3/8) Hard Washers (6) 3/8 AN Washers				(3) 3/8-16 x 8 HHCS (2) 7/16-20 x 8 HHCS (2) 7/16-20 Nylock Nuts (3) 3/8-16 Nylock Nuts (4) 7/16 (3/8) Hard Washers (6) 3/8 AN Washers		
Kawasaki ZX6R 636cc '03 & '04				YZF 600R6 '03-'05			
		<b>R.F.</b>	(2)11/16 Spacers w/ 7/16 Hole (1) 13/16 Spacer w/ 1/2" Hole (2) 7/16-20 x 2 HHCS (2) 1/2 (7/16) Hard Washer (2) 7/16 AN Washers (1) 1/2-20 x 2-1/2 HHCS Must tap engine to 1/2-20			<b>R.F.</b>	(1) 13/16 Spacers w/ 1/2 Hole (2) 7/16-20 x 1-1/4 HHCS (2) 7/16 AN Washer (1) 1/2-20 x 2-1/2 H.H.C.S. (2) 1/2" Washers Must tap engine to 1/2-20
<b>L.R.T.</b>	1-1/4 x 7/8 OD w/ 3/8 Hole	<b>R.R.T.</b>	11/32 x 7/8 OD w/ 3/8 Hole	<b>L.R.T.</b>	1/4 x 7/8 OD w/ 3/8 Hole	<b>R.R.T.</b>	3/16 x 7/8 OD w/ 3/8 Hole
<b>L.R.B.</b>	1/2 x 7/8 OD w/ 3/8 Hole	<b>R.R.B.</b>	1/2 x 7/8 OD w/ 3/8 Hole	<b>L.R.B.</b>	7/16 x 7/8 OD w/ 3/8 Hole	<b>R.R.B.</b>	0
	(3) 3/8-16 x 8 HHCS (2) 7/16-20 x 8 HHCS (2) 7/16-20 Nylock Nuts (3) 3/8-16 Nylock Nuts (4) 7/16 (3/8) Hard Washers (6) 3/8 AN Washers				(2) 3/8-16 x 8 HHCS (2) 7/16-20 x 8 HHCS (2) 7/16-20 Nylock Nuts (2) 3/8-16 Nylock Nuts (4) 7/16 (3/8) Hard Washers (4) 3/8 AN Washers		Must modify oil pan on front left. On 2003 and older cars
Kawasaki ZX6R 600cc '07-'08				Honda RR '03-'06			
		<b>R.F.</b>	(2)1/2 Spacers w/ 7/16 Hole (1) 13/16 Spacer w/ 1/2" Hole (2) 7/16-20 x 1-3/4 HHCS (2) 1/2 (7/16) Hard Washer (2) 7/16 AN Washers (1) 1/2-20 x 2-1/2 HHCS Must tap engine to 1/2-20			<b>R.F.</b>	(2) 5/8 Spacers w/ 7/16 Hole (1) 11/16 Spacer w/ 1/2" Hole (2) 7/16-20 x 2 HHCS (2) 1/2 (7/16) Hard Washer (2) 7/16 AN Washers (1) 1/2-20 x 3-1/4 HHCS (1) 1/2-20 Full Nut Must tap engine to 1/2-20
<b>L.R.T.</b>	7/16 x 7/8 OD w/ 3/8 Hole	<b>R.R.T.</b>	11/16 x 7/8 OD w/ 3/8 Hole	<b>L.R.T.</b>	1/8 x 7/8 OD w/ 3/8 Hole	<b>R.R.T.</b>	7/8 x 7/8 OD w/ 3/8 Hole
<b>L.R.B.</b>	1-1/8 x 7/8 OD w/ 3/8 Hole	<b>R.R.B.</b>	0	<b>L.R.B.</b>	5/8 x 7/8 OD w/ 3/8 Hole	<b>R.R.B.</b>	15/16 x 7/8 OD w/ 3/8 Hole
	(3) 3/8-16 x 8 HHCS (2) 7/16-20 x 8 HHCS (2) 7/16-20 Nylock Nuts (3) 3/8-16 Nylock Nuts (4) 7/16 (3/8) Hard Washers (6) 3/8 AN Washers				(3) 3/8-16 x 8 HHCS (2) 7/16-20 x 8 HHCS (2) 7/16-20 Nylock Nuts (3) 3/8-16 Nylock Nuts (4) 7/16 (3/8) Hard Washers (6) 3/8 AN Washers		
Kawasaki ZX6R 600cc '09-'15				YZF 600R6 '99-'02			
		<b>R.F.</b>	(2)1/2 Spacers w/ 7/16 Hole (1) 7/8 Spacer w/ 1/2" Hole (2) 7/16-20 x 1-3/4 HHCS (2) 1/2 (7/16) Hard Washer (2) 7/16 AN Washers (1) 1/2-20 x 2-1/2 HHCS Must tap engine to 1/2-20			<b>R.F.</b>	(1) 1-1/16 Spacers w/ 1/2 Hole (2) 7/16-20 x 1-1/4 HHCS (2) 7/16 AN Washer (1) 1/2-20 x 2-1/2 H.H.C.S. (2) 1/2" Washers Must tap engine to 7/16-20
<b>L.R.T.</b>	5/16 x 7/8 OD w/ 3/8 Hole	<b>R.R.T.</b>	1-1/2 x 7/8 OD w/ 3/8 Hole	<b>L.R.T.</b>	1/8 x 7/8 OD w/ 3/8 Hole	<b>R.R.T.</b>	1/4 x 7/8 OD w/ 3/8 Hole
<b>L.R.B.</b>	1x 7/8 OD w/ 3/8 Hole	<b>R.R.B.</b>	1/8 x 7/8 O.D. (with reducer)	<b>L.R.B.</b>	3/8 x 7/8 OD w/ 3/8 Hole	<b>R.R.B.</b>	0
	(3) 3/8-16 x 8 HHCS (2) 7/16-20 x 8 HHCS (2) 7/16-20 Nylock Nuts (3) 3/8-16 Nylock Nuts (4) 7/16 (3/8) Hard Washers (6) 3/8 AN Washers				(2) 3/8-16 x 8 HHCS (2) 7/16-20 x 8 HHCS (2) 7/16-20 Nylock Nuts (2) 3/8-16 Nylock Nuts (4) 7/16 (3/8) Hard Washers (4) 3/8 AN Washers		<b>Must modify oil pan on front left on 2003 and older cars</b>

**HYPER ENGINE SPACER DIAGRAM**

GSXR 600 '06 & Up				GSXR Suzuki 1000cc '05-'06			
		<b>R.F.</b>	(1) 7/16 Spacers w/ 1/2 Hole (2) 7/16-20 x 1-1/4 HHCS (2) 7/16 AN Washer (1) 1/2-20 x 2 H.H.C.S. (2) 1/2" Washers Must tap engine to 1/2-20				
<b>L.R.T.</b>	0	<b>R.R.T.</b>	1-3/32 x 7/8 OD w/ 3/8 Hole	<b>L.R.T.</b>	41/64 x 7/8 OD w/ 3/8 Ho	<b>R.R.T.</b>	1/2 x 7/8 OD w/ 3/8 Hole
<b>L.R.B.</b>	3/8 x 7/8 OD w/ 3/8 Hole	<b>R.R.B.</b>	1-3/32 x 7/8 OD w/ 3/8 Hole	<b>L.R.B.</b>	0	<b>R.R.B.</b>	1-1/8 x 7/8 OD w/ 3/8 Hole
	(2) 3/8-16 x 8 HHCS (2) 7/16-20 x 8 HHCS (2) 7/16-20 Nylock Nuts (2) 3/8-16 Nylock Nuts (4) 7/16 (3/8) Hard Washers (4) 3/8 AN Washers				(3) 3/8-16 x 8 HHCS (2) 7/16-20 x 8 HHCS (2) 7/16-20 Nylock Nuts (3) 3/8-16 Nylock Nuts (4) 7/16 (3/8) Hard Washers (6) 3/8 AN Washers		
GSXR Suzuki 600cc '01-'05				GSXR Suzuki 1000cc '07-'08			
		<b>R.F.</b>	(1) 11/16 Spacers w/ 7/16 Hole (2) 7/16-20 x 1-1/4 HHCS (2) 7/16 AN Washer (2) 7/16 (3/8) AN Hard Washers (1) 7/16-20 x 1-3/4 HHCS Must tap engine to 7/16-20				
<b>L.R.T.</b>	11/16 x 7/8 OD w/ 3/8 Hole	<b>R.R.T.</b>	7/16 x 7/8 OD w/ 3/8 Hole	<b>L.R.T.</b>	41/64 x 7/8 OD w/ 3/8 Ho	<b>R.R.T.</b>	1/2 x 7/8 OD w/ 3/8 Hole
<b>L.R.B.</b>	0	<b>R.R.B.</b>	1 x 7/8 OD w/ 3/8 Hole	<b>L.R.B.</b>	0	<b>R.R.B.</b>	1-1/8 x 7/8 OD w/ 3/8 Hole
	(2) 3/8-16 x 8 HHCS (2) 7/16-20 x 8 HHCS (2) 7/16-20 Nylock Nuts (2) 3/8-16 Nylock Nuts (4) 7/16 (3/8) Hard Washers (4) 3/8 AN Washers				(3) 3/8-16 x 8 HHCS (2) 7/16-20 x 8 HHCS (2) 7/16-20 Nylock Nuts (3) 3/8-16 Nylock Nuts (4) 7/16 (3/8) Hard Washers (6) 3/8 AN Washers		
Honda 600 RR '07 & Up				Yamaha R1 1000cc '04-'08			
		<b>R.F.</b>	(1) 1.031 Spacer w/ 1/2" Hole (2) 7/16-20 x 1-1/4 HHCS (2) 1/2 (7/16) Hard Washer (2) 7/16 AN Washers (1) 1/2-20 x 3-1/4 HHCS (1) 1/2-20 Full Nut Must tap engine to 1/2-20				
<b>L.R.T.</b>	.844 x 7/8 OD w/ 3/8 Hole	<b>R.R.T.</b>	.109 x 7/8 OD w/ 3/8 Hole	<b>L.R.T.</b>	.688 x 7/8 OD w/ 3/8 Hole	<b>R.R.T.</b>	0
<b>L.R.B.</b>	1.205 x 7/8 OD w/ 3/8 Hole	<b>R.R.B.</b>	.449 x 7/8 OD w/ 3/8 Hole	<b>L.R.B.</b>	0	<b>R.R.B.</b>	.250 x 7/8 OD w/ 3/8 Hole
	(3) 3/8-16 x 8 HHCS (2) 7/16-20 x 8 HHCS (2) 7/16-20 Nylock Nuts (3) 3/8-16 Nylock Nuts (4) 7/16 (3/8) Hard Washers (6) 3/8 AN Washers				(3) 3/8-16 x 8 HHCS (2) 7/16-20 x 8 HHCS (2) 7/16-20 Nylock Nuts (3) 3/8-16 Nylock Nuts (4) 7/16 (3/8) Hard Washers (6) 3/8 AN Washers		
CBR 600cc F3				Yamaha R1 1000cc '09 -'16			
		<b>R.F.</b>	(2) 11/16 Spacers w/ 7/16 Hole (2) 7/16-20 x 2 HHCS (1) 7/16-20 Nylock Nut (3) 7/16 AN Washer (2) 7/16 (3/8) AN Hard Washers (1) 7/16-20 x 2-1/4 HHCS Must tap engine to 7/16-20				
<b>L.R.T.</b>	0	<b>R.R.T.</b>	5/16 x 7/8 OD w/ 3/8 Hole	<b>L.R.T.</b>	.688 x 7/8 OD w/ 3/8 Hole	<b>R.R.T.</b>	0
<b>L.R.B.</b>	1/2 x 7/8 OD w/ 3/8 Hole	<b>R.R.B.</b>	3/8 Regular Washer	<b>L.R.B.</b>	0	<b>R.R.B.</b>	.625 x 7/8 OD w/ 3/8 Hole
	(2) 3/8-16 x 8 HHCS (2) 7/16-20 x 8 HHCS (2) 7/16-20 Nylock Nuts (2) 3/8-16 Nylock Nuts (4) 7/16 (3/8) Hard Washers (4) 3/8 AN Washers				(3) 3/8-16 x 8 HHCS (2) 7/16-20 x 8 HHCS (2) 7/16-20 Nylock Nuts (3) 3/8-16 Nylock Nuts (4) 7/16 (3/8) Hard Washers (6) 3/8 AN Washers		

<b>09-16 GSXR 1000</b>				<b>Yamaha R1 1000cc '17 &amp; Up</b>			
<b>L.R.T.</b>	1-1/4 x 7/8 OD w/ 7/16 Hole	<b>R.R.T.</b>	5/8 x 7/8 OD w/ 7/16 Hole	<b>L.R.T.</b>	.500 x 7/8 OD w/ 3/8 Hole	<b>R.R.T.</b>	.984 x 7/8 OD w/ 3/8 Hole
<b>L.R.B.</b>	1" x 7/8 OD w/ 7/16 Hole	<b>R.R.B.</b>	1/4" x 7/8 OD w/ 7/16 Hole	<b>L.R.B.</b>	.500 x 7/8 OD w/ 3/8 Hole	<b>R.R.B.</b>	0
	(1) 3/8 x 8" HHCS			Need (2) .815 x 1.00 w/ 7/16 Hole for Rt side of frame engine mount to plate			
	(4) 7/16-20 x 8 HHCS			Push Bar is 7.584" Long on this one, longer than normal			
	(4) 7/16-20 Nylock Nuts						
	(1) 3/8-16 Nylock Nuts						
	(4) 7/16 (3/8) Hard Washers						
	(2) 3/8 AN Washers						
	(4) 7/16 AN Washers						
<b>07-08 GSXR 1000</b>				<b>Honda 1000RR '08 &amp; Up</b>			
<b>L.R.T.</b>	.6406 x 7/8 OD w/ 3/8 Hole	<b>R.R.T.</b>	1/2 x 7/8 OD w/ 3/8 Hole	<b>L.R.T.</b>	0	<b>R.R.T.</b>	.33 x 7/8 OD w/ 3/8 Hole
<b>L.R.B.</b>	1/2 x 7/8 OD w/ 3/8 Hole	<b>R.R.B.</b>	1-1/8 x 7/8 OD w/ 3/8 Hole	<b>L.R.B.</b>	.13 x 7/8 OD w/ 3/8 Hole	<b>R.R.B.</b>	0
	(3) 3/8-16 x 8 HHCS						
	(2) 7/16-20 x 8 HHCS						
	(2) 7/16-20 Nylock Nuts						
	(3) 3/8-16 Nylock Nuts						
	(4) 7/16 (3/8) Hard Washers						
	(6) 3/8 AN Washers						
<b>17 &amp; Up GSXR 1000</b>				<b>Honda 1000RR '08 &amp; Up</b>			
<b>L.R.T.</b>	.6406 x 7/8 OD w/ 3/8 Hole	<b>R.R.T.</b>	1/2 x 7/8 OD w/ 3/8 Hole				
<b>L.R.B.</b>	1/2 x 7/8 OD w/ 3/8 Hole	<b>R.R.B.</b>	1-1/8 x 7/8 OD w/ 3/8 Hole				
	(3) 3/8-16 x 8 HHCS						
	(2) 7/16-20 x 8 HHCS						
	(2) 7/16-20 Nylock Nuts						
	(3) 3/8-16 Nylock Nuts						
	(4) 7/16 (3/8) Hard Washers						
	(6) 3/8 AN Washers						
<b>17 &amp; Up GSXR 1000 to go with 656-5521A&amp;B Plates</b>				<b>Honda 1000RR '08 &amp; Up</b>			
<b>L.R.T.</b>	.334 x 7/8 OD w/ 3/8" Hole	<b>R.R.T.</b>	.412 x 7/8 OD w/ 3/8 Hole				
<b>L.R.B.</b>	0	<b>R.R.B.</b>	.254 x 7/8 OD w/ 3/8 Hole				
	(2) .988 x 7/8 OD w/ 7/16 Hole						
	(1) 7.75 x 7/8 OD w/ 7/16 Hole		Front Motor Mount				
	(3) 3/8-16 x 9 (or 10") HHCS		(2) 1/2-20 x 2-1/4" HHCS				
	(2) 7/16-20 (or 14) x 9 (or 10") HHCS		(2) 1/2" AN Washer				
	(2) 7/16-20 (14) Nylock Nuts		(2) 3/8-24 x 2" HHCS				
	(3) 3/8-16 Nylock Nuts		(2) 3/8-24 Nylock Jam Nut				
	(4) 7/16 (3/8) Hard Washers						
	(6) 3/8 AN Washers						
		For 2020 and older Lightning Sprints, you will need to weld 3 T-15N Tabs on the frame for the front engine mount					