YOSHIMURA
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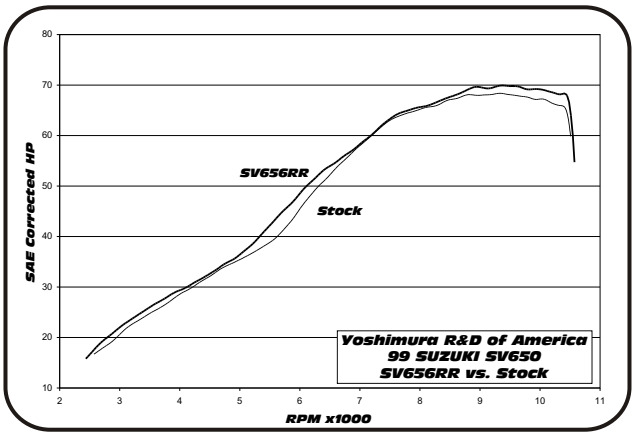
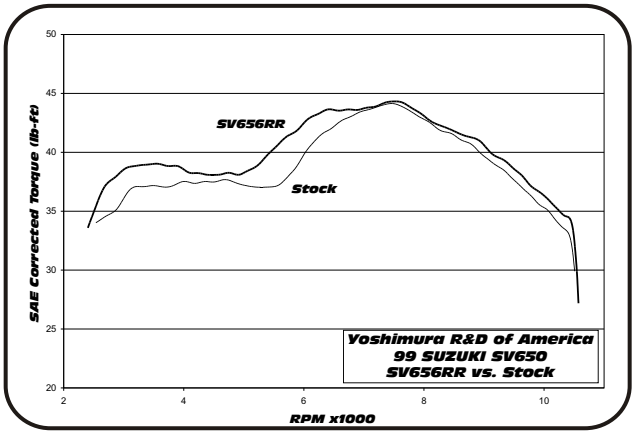
RS-3 OVAL PERFORMANCE EXHAUST SYSTEM

SUZUKI '99-02 SV650/S

SV656RR	*STAINLESS STEEL RACE ONLY SYSTEM*
SV653RRC	*STAINLESS STEEL ZYCLONE SYSTEM*





Note: Dyno graphs are for comparison use only. Actual results may vary depending on operating and motorcycle condition.

THIS PRODUCT IS DESIGNED FOR USE IN CLOSED COURSE RACING AND IS NOT INTENDED FOR HIGHWAY USE.

NOTE: IN THE STATE OF CALIFORNIA, IT IS ILLEGAL TO MODIFY THE EMISSION CONTROL SYSTEM. WHICH INCLUDES THE CARBURETORS OF ANY VEHICLE.

Caution: Exhaust system can be extremely hot. Let motorcycle cool down before beginning installation.

Note: Read through all instructions before beginning installation.

Tools Needed:

12mm socket, 11mm (or 7/16") deep sockets
3/8" ratchet and extension
12mm wrench
6mm Allen wrench
Torque wrench

Installation Steps:

1 Remove stock front header. (Unbolt exhaust flange and loosen exhaust clamp where stock front and rear header connect. See Fig.1 for fastener locations.)

2 Remove stock muffler and stock rear header. (Loosen exhaust clamp on rear stock header tube. Unbolt chassis and muffler mounts. See Fig.2 &3)

3 Replace old exhaust port gasket on front cylinder with new exhaust port gasket.
(not supplied - Suzuki part no. 14181-22D01)

4 Slip 1.5" exhaust clamp over Yoshimura rear header exhaust port tube.

5 Install Yoshimura rear header by slipping exhaust port tube into stock header tube.
Do not tighten exhaust clamp at this time.

6 Install chassis mount bolt using stock bolt, washer and nut..
(See fig. 4) Do not tighten bolt at this point.

7 Install Yoshimura front header using stock header bolts. Torque bolt to 2.0 kg-m (14.5 lb-ft).

8 Install 2.5" exhaust springs where front and rear header connect.

9 Tighten exhaust clamp to 1.25 kg-m (9 lb-ft).

10 Install Yoshimura tailpipe with muffler.

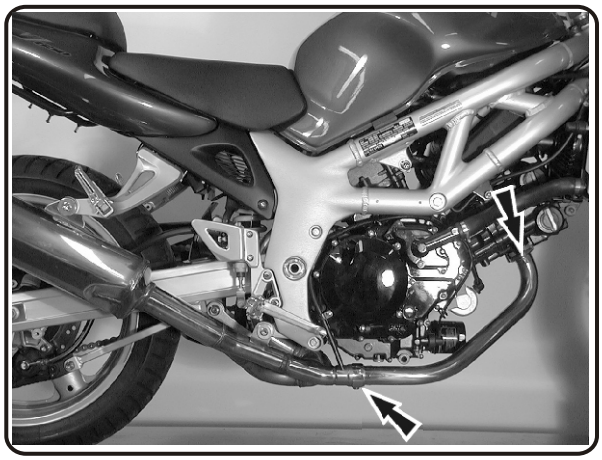


Fig. 1

Fig. 2

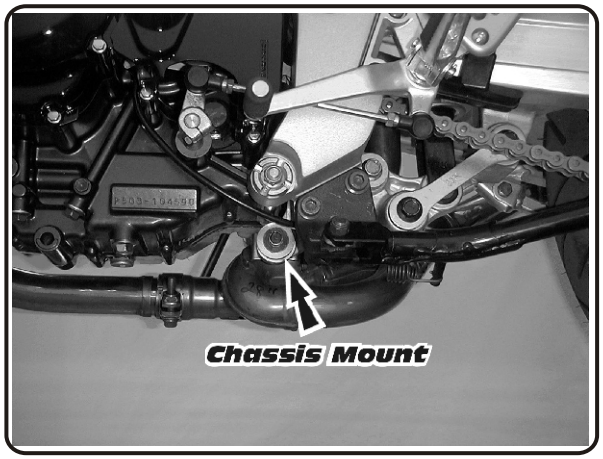


Fig. 3

11 Install 3.5" exhaust springs between tailpipe and header.

12 Ainsert heat insulator to inside of muffler clamp and slide clamp onto muffler. (Note direction of clamp in Fig. 5)

13 Mount muffler clamp to stock muffler bracket using stock bolt, washers and nut. (See Fig. 5) Torque bolt to 2.5 kg-m (18 lb-ft).

14 Torque chassis mount bolt to 2.5 kg-m (18 lb-ft).

15 It is recommended that the entire exhaust system be wiped down with rubbing alcohol to remove oil and fingerprints. This will help prevent tarnishing of the finish after the exhaust is heated up.

16 Check for proper clearance between new exhaust system and motorcycle. (i.e. radiator, oil pan, swing-arm, etc.) If any problem is found, please carefully follow through the installation steps again. If problem still persists, please call Yoshimura tech. dept. at (800)634-9166 / in CA (909)628-4722

Note: After starting motorcycle, it is normal for new exhaust system to smoke until oil residue burns off.

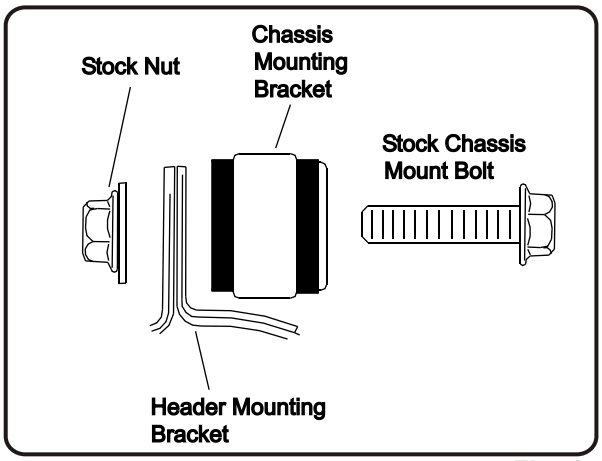


Fig. 4

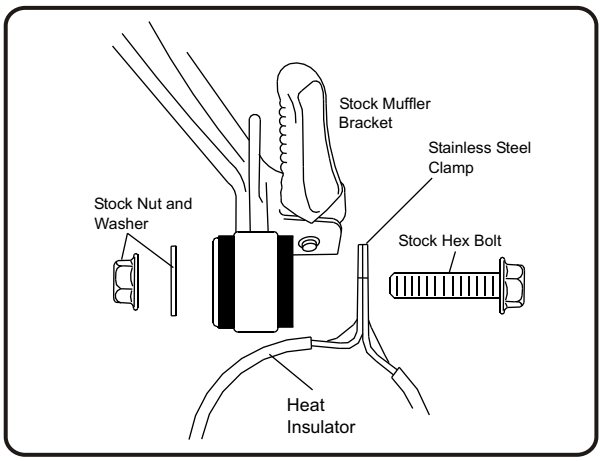
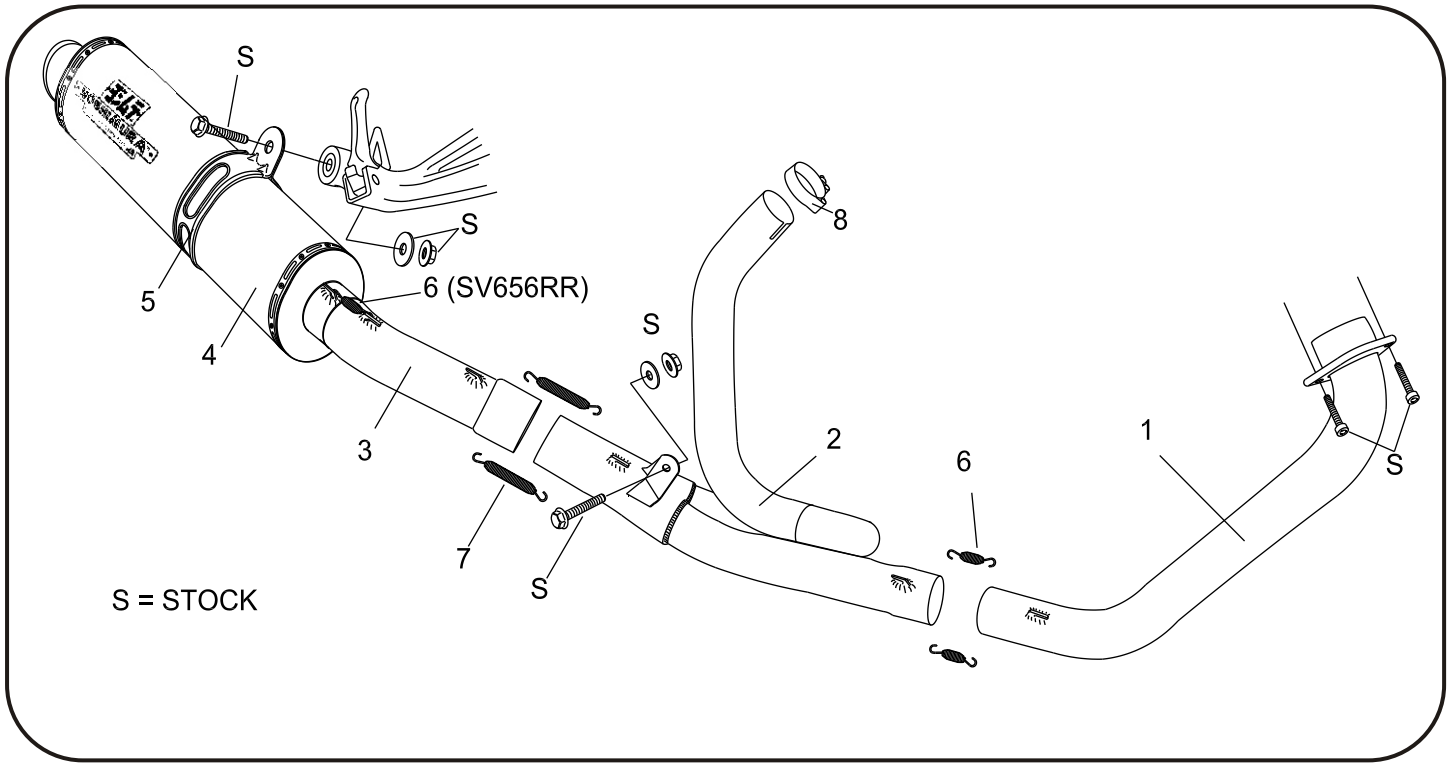


Fig. 5

#SV653RRC/SV656RR



Parts Diagram

NO.	DESCRIPTION	QTY	PART #
1	Yoshimura Header (Front)	1	
	Stainless Steel Race Only		SV656RRHF
	Stainless Steel Zyclone		SV653RRHF
2	Yoshimura Header (Rear)	1	
	Stainless Steel Race Only		SV656RRHB
	Stainless Steel Zyclone		SV653RRHB
3	Yoshimura Tailpipe	1	
	Stainless Steel Race Only		SV656RT
	Stainless Steel Zyclone		SV653RT
4	RS-3 Oval Muffler Assembly	1	**
5	Stainless Steel Muffler Clamp	1	
	Stainless Steel or Titanium Sleeve uses		COS450S8ASX
	Carbon Fiber Sleeve uses		COS450S8AS

NO.	DESCRIPTION	QTY	PART #
6	2.5" Exhaust Spring		RACE-SPS-1
	SV653RRC Uses	2	
	SV656RR Uses	4	
7	3.5" Exhaust Spring	2	RACE-SPL-1
8	1.5" Exhaust Clamp	1	20057
**	Muffler Clamp Heat Insulator	1	HT SHLDTRS
**	Spring Puller Tool	1	ST-200
**	Yoshimura Vinyl Sticker	2	17028-BLK