

GRReddy Intercooler Kit

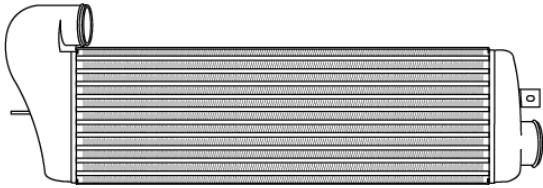
(Type 31)

2002-2003 Honda Civic Si EP3 (K20A)

2 Parts List

(1)	Intercooler	(Type 31C)				1
(2)	Intake pipe	I-1 (50Ø Aluminum)				1
(3)	"	I-2 (50Ø Aluminum)				1
(4)	"	I-3 (50Ø Aluminum)				1
(5)	"	I-4 (60Ø Aluminum)				1
(6)	"	I-5 (60Ø Aluminum)				1
(7)	Hose	50Ø x 70mm Straight				3
(8)	"	60Ø x 70mm Straight				2
(9)	Hose band	50Ø #32				7
(10)	"	60Ø #36				5
(11)	Intercooler Bracket	A				1
(12)	Intercooler Bracket	B				1
(13)	Aluminum Spacer	t=8mm				2
(14)	Zip ties	150mm				5
(15)	8mm x 15mm	P=1.25	Stainless	B	S/W F/W	3
(16)	8mm x 15mm	P=1.25	Stainless	B	S/W F/W N	1

Parts List



1



2



3



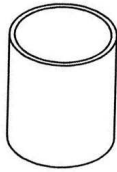
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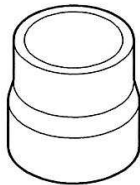
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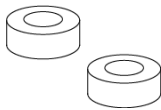
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9-10



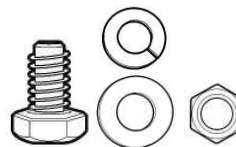
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15-16

2. Removal of Stock & Turbo Kit Parts

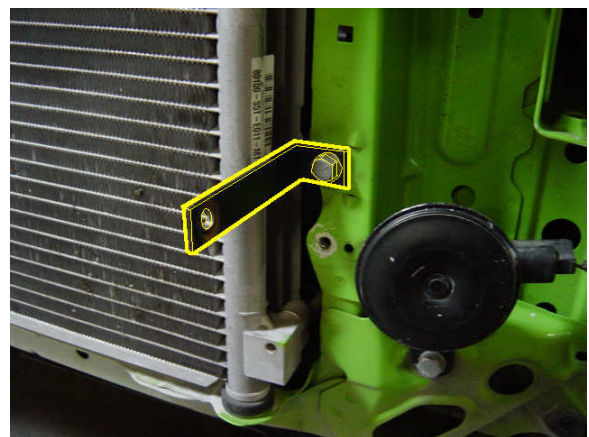
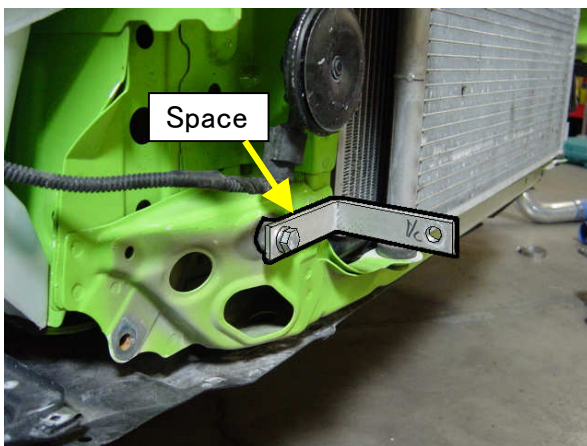
When removing the stock parts, make sure you read over the factory repair manual for proper procedures.

- 2-1 Disconnect the negative side of the battery.
- 2-2 Remove the undercover, and the front bumper.
- 2-3 Remove the bumper support beam.
- 2-4 Remove the two horns.
- 2-5 Remove the windshield washer tank.
- 2-6 Remove the Turbo Kit Air intake, suction pipe, the suction adapter, and the restrictor.
(refer to the Turbo Kit Installation Manual)
- 2-7 Remove the Turbo Kit Compression Pipe C-2, and C-3.
(refer to the Turbo Kit Installation Manual)

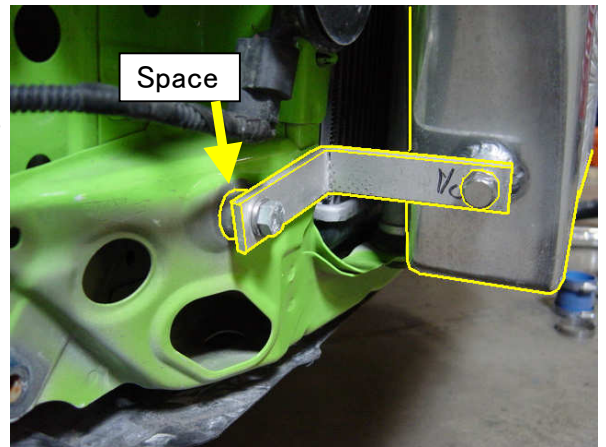
3. Kit Installation

3-1 Intercooler Installation

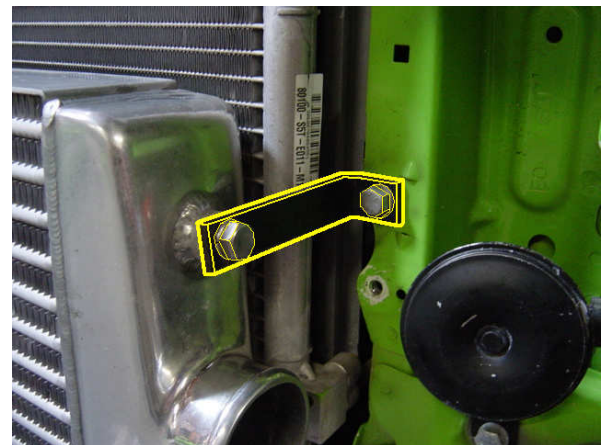
- (1) Install the Intercooler bracket to the body as shown using the provided spacer
(Parts used #: 17, 18, 21)



- (2) Mount the Intercooler as shown using provided hardware. Secure the left side of the intercooler (looking from the front of the vehicle) to the bracket installed in the previous step.



- (3) Secure the right side of the intercooler to the body as shown using the provided hardware.
(Parts used #: 1, 18, 21,22)



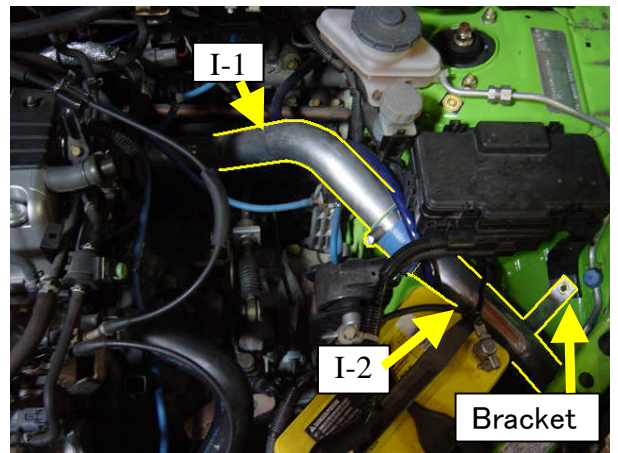
- (4) Position the intercooler so that it is mounted straight before tightening the bolts.



3-3 Intercooler Piping Installation

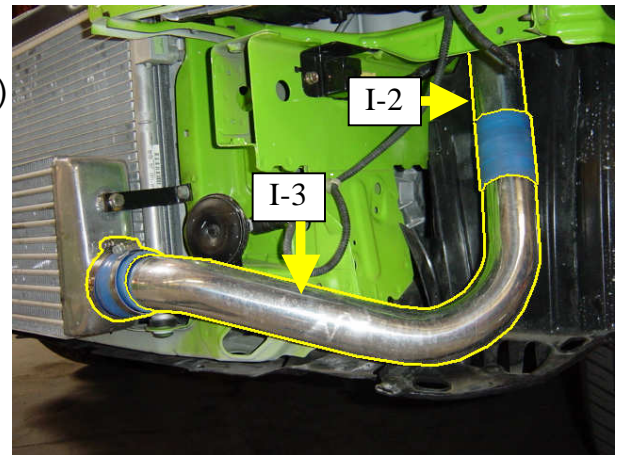
- (1) Install the I-1 to the C-1 (Aluminum elbow on the turbo outlet) from the Turbo Kit.
(Parts used # 2, 12)

- (2) Install the Intercooler pipe I-2 to the I-1 as shown. Secure the I-2 pipe bracket to the Fuse Box bracket as shown.
(Parts used # 3, 12)

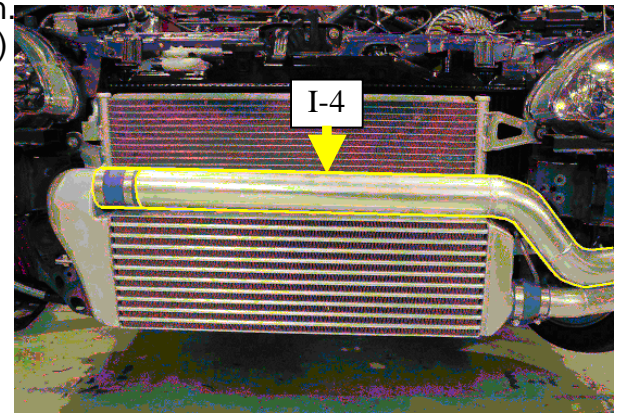


(3) Install the I-3 pipe between I-2 and intercooler inlet as shown.

(Parts Used #: 4, 12, 14)

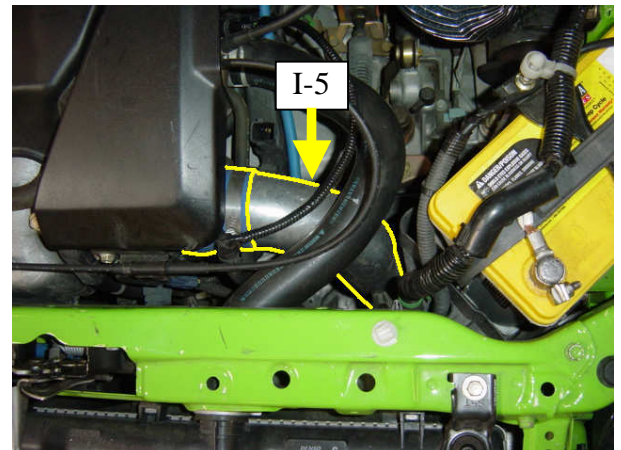
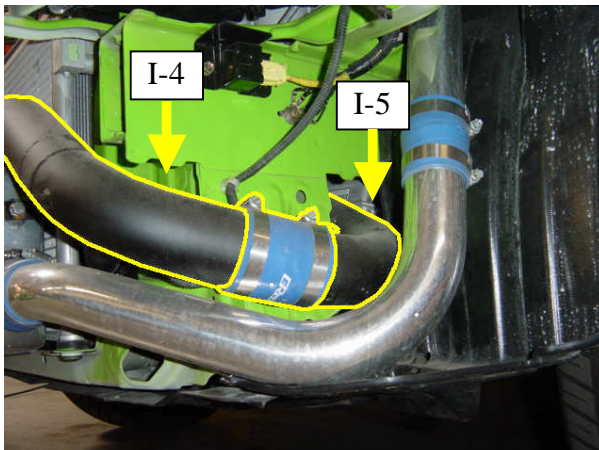


(4) Install the I-4 to the intercooler outlet as shown.
(Parts Used #: 5, 13)



(5) Install the Intercooler pipe I-5 to the I-4 as shown. Secure the I-5 to the body. Modify the splash guard where it contacts these pipes.

(Parts Used #: 6, 13)



3-4 Suction Pipe Installation

(1) Reinstall the Turbo Kit Suction Kit **without** the restrictor.

3-6 Bumper Modification

Cut the bumper little by little and test fit on the vehicle. Trim the area that hits the intercooler.

Starting the Engine

- (1) Check all the pipe and hose connections, then reconnect the negative side of the battery.
- (2) Start the engine. While idling, check for any air leaks.
- (3) After inspection, reinstall the front bumper, under cover and other stock parts that were removed. Secure the bottom of the bumper with the intercooler bracket.

This completes the Intercooler Kit installation.