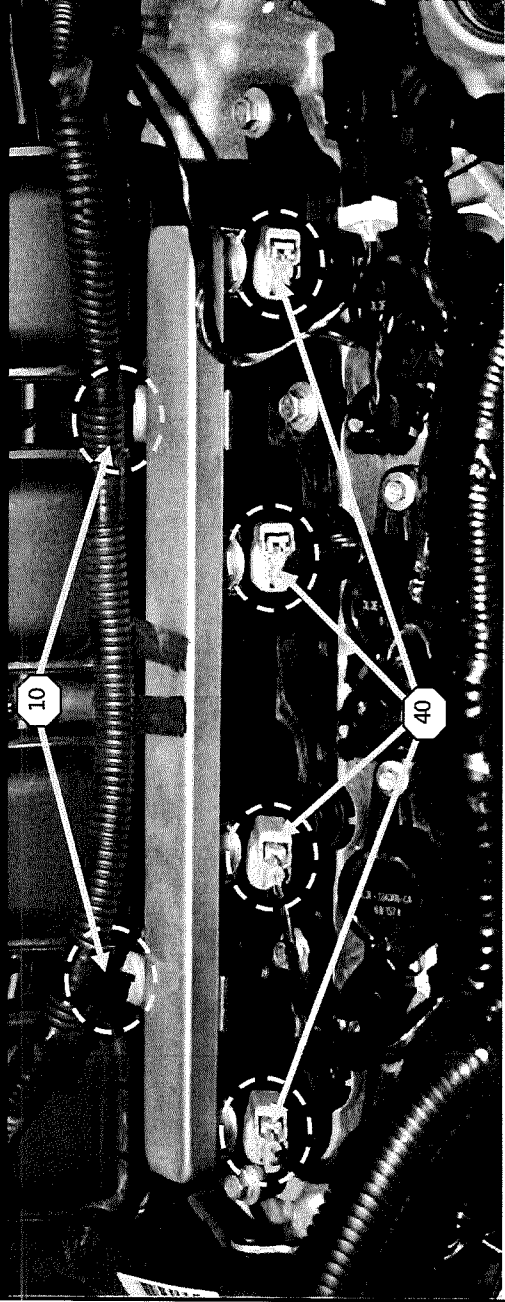


TORQUE

ITEM

OPERATION



NOTICE: No smoking, flames, or sparks around the fuel system. The fuel line and fuel rail can give off fumes that are flammable and may ignite if there is any form of spark or open flame near it.

10

Detach the two wiring harness retainers from the fuel rail mounting stud bolts and position the harness to the side.

20

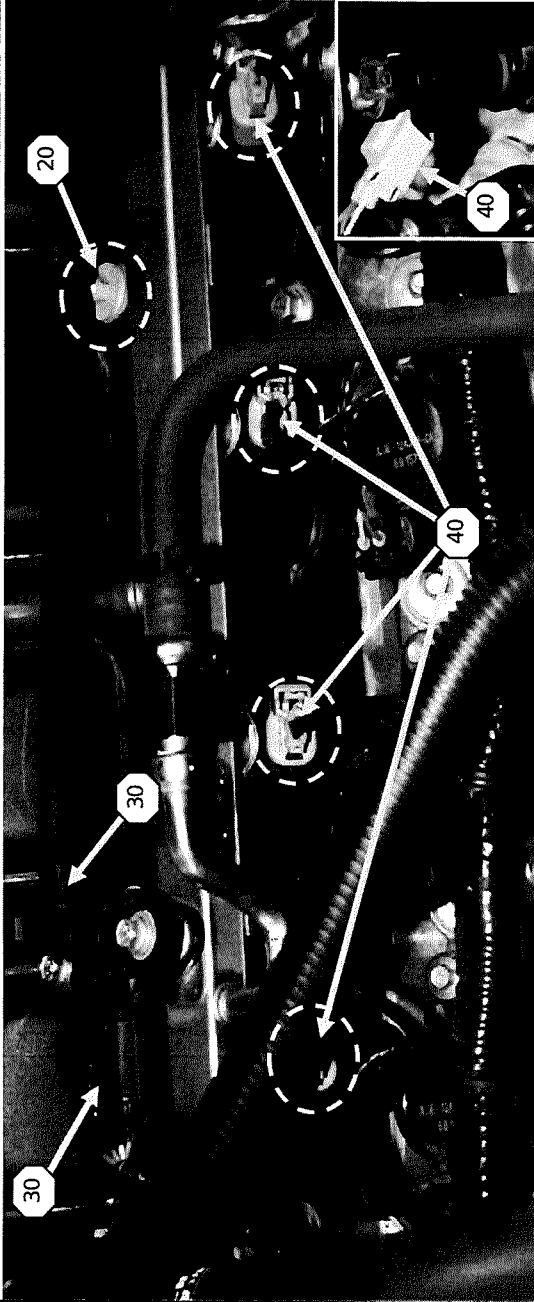
Disconnect the retainer holding the vacuum hose to the fuel rail mounting stud.

30

Disconnect the fuel rail temperature and pressure sensor electrical connector and the vacuum hose from the fuel rail.

40

Disconnect the 8 fuel injector electrical connectors (grey) from the fuel injectors.



ITEM PART NUMBER QTY. DESCRIPTION

ITEM	PART NUMBER	QTY.	DESCRIPTION

TORQUE

NOTES:

**SALEEN
SPEEDLAB**

PROCESS

PAGE

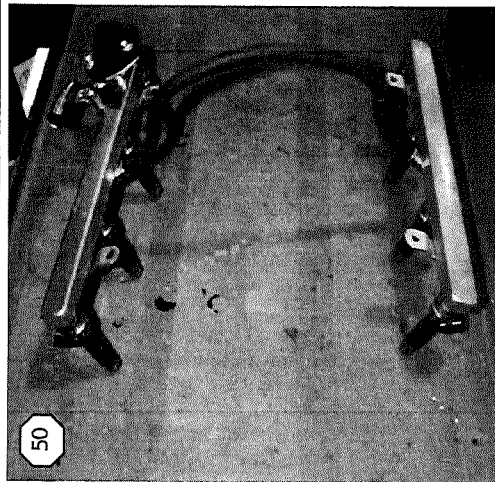
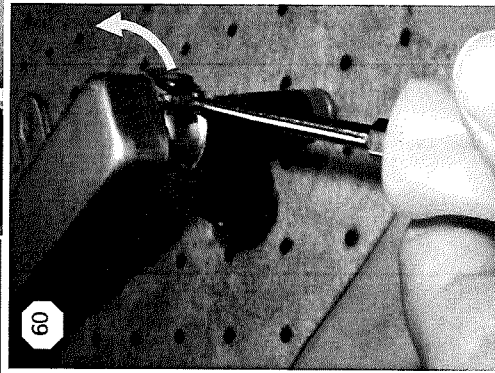
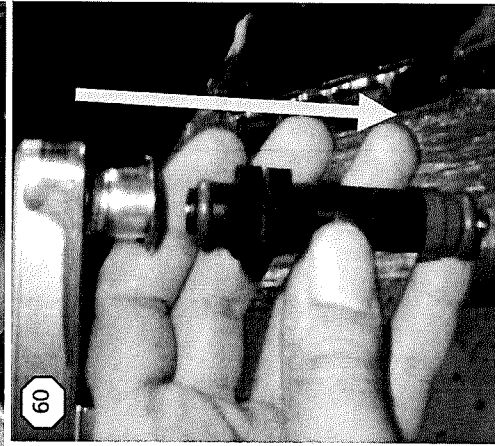
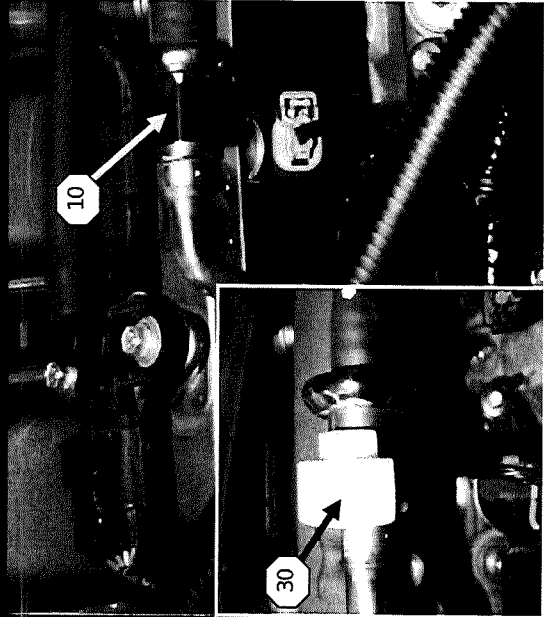
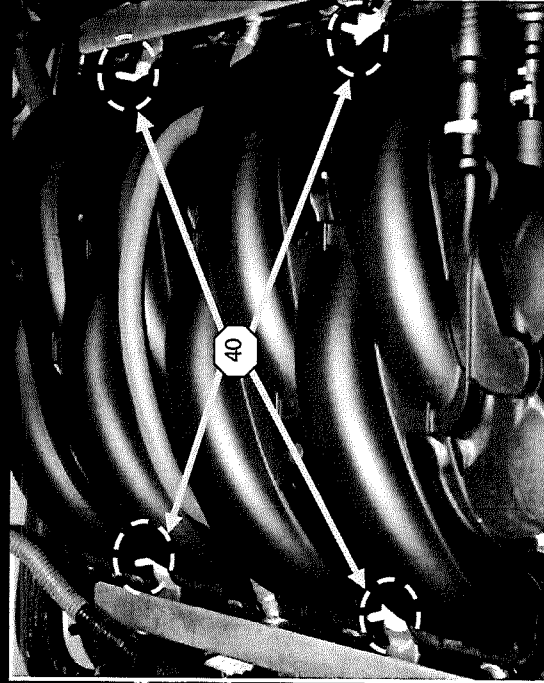
REMOVE FUEL RAIL

13

TORQUE

ITEM

OPERATION



NOTICE: No smoking, flames, or sparks around the fuel system. The fuel line and fuel rail can give off fumes that are flammable and may ignite if there is any form of spark or open flame near it.

10

Remove the safety clip from the fuel line connector on the fuel rail.

20

Place a rag over the fuel line connection to protect against escaping fuel and vapors.

30

Place the fuel line disconnect tool on the fuel rail side of the fuel rail. Slide the fuel line disconnect tool towards the rear of the vehicle until the tool locks in place. Disconnect the fuel line.

40

Remove the 8mm fuel rail stud bolts and save two of them (they will be used later).

50

Lift the fuel rail assembly with injectors out of the vehicle.

60

Remove each fuel injector (8 total) with a flat blade screwdriver. Set the tip of the screwdriver between the flange in the fuel rail (where the fuel injector connects), and one of the ears of the injector retaining clip. Use the screwdriver to disengage the tab on the clip ear, and pry away from the injector connector. Once the clips are removed, pull each injector out of the fuel rail.

NOTICE: The injector clips have tension on them. When removing them with a screwdriver, they may want to pop off the injector and go flying. Try to contain the clips when removing and make sure to wear safety glasses. Save the 8 injector clips, they will be re-used.

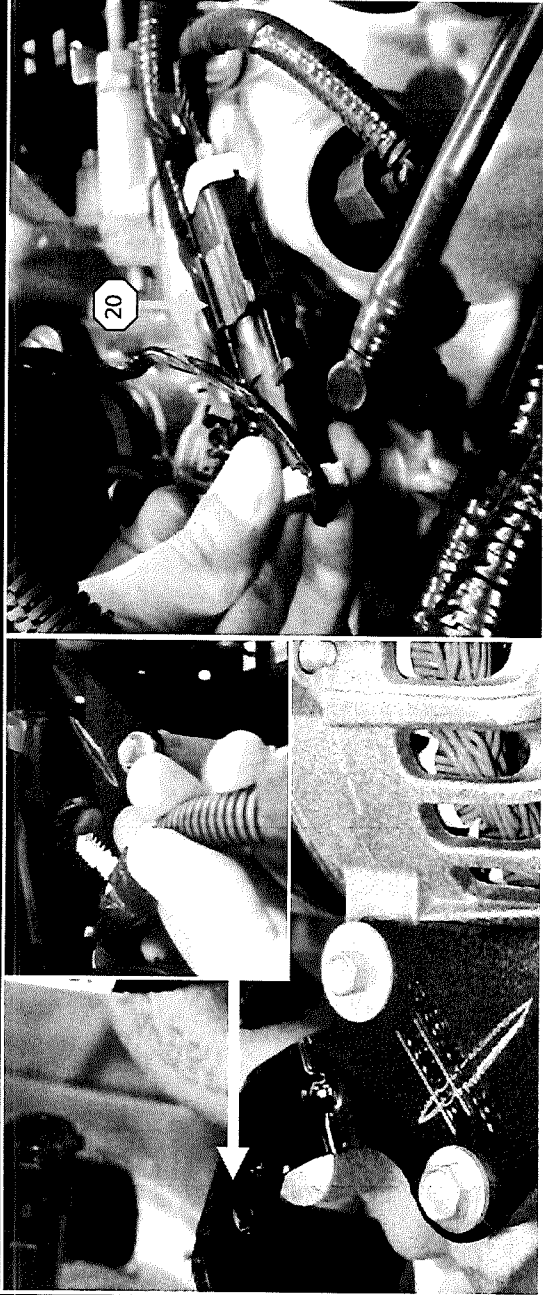
TORQUE

NOTES:

TORQUE

ITEM

OPERATION



10 With a wire puller, remove the alternator power wire from the top alternator bracket.

20 Disconnect the alternator power wire from the main engine harness. They are connected on the passenger side of the motor.

30 Remove the alternator power wire from the positive battery cable clamp. It is fastened to the clamp with one 10mm nut.

ITEM PART NUMBER QTY. DESCRIPTION

ITEM	PART NUMBER	QTY.	DESCRIPTION

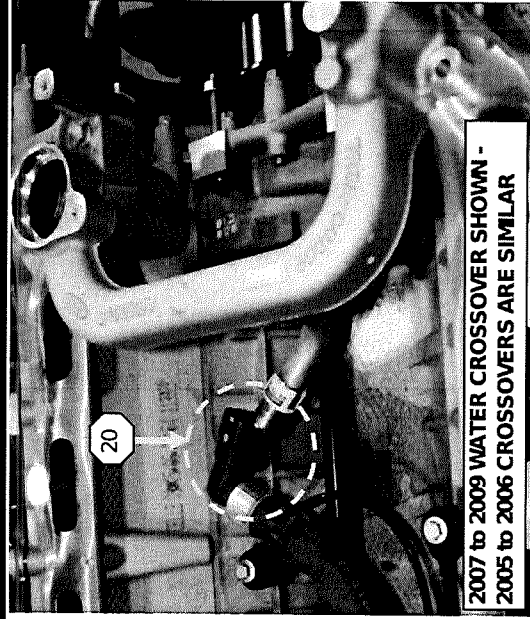
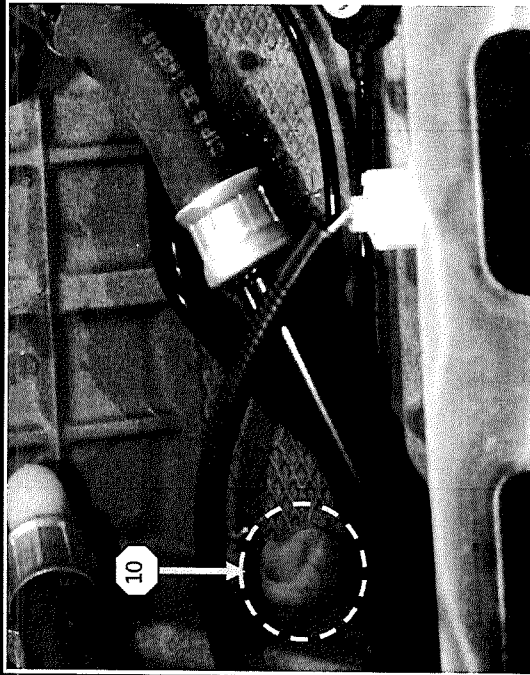
TORQUE

NOTES:

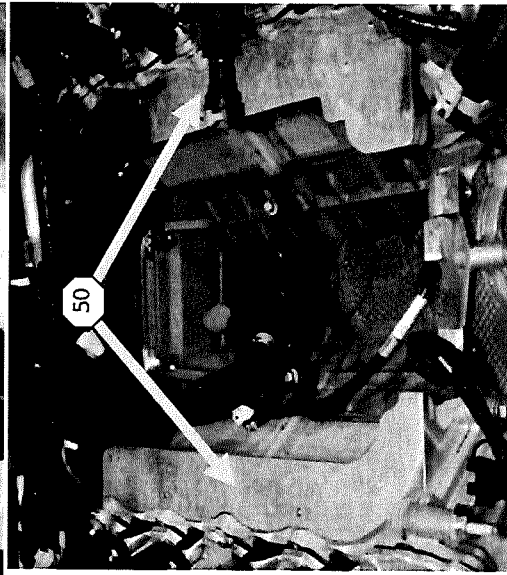
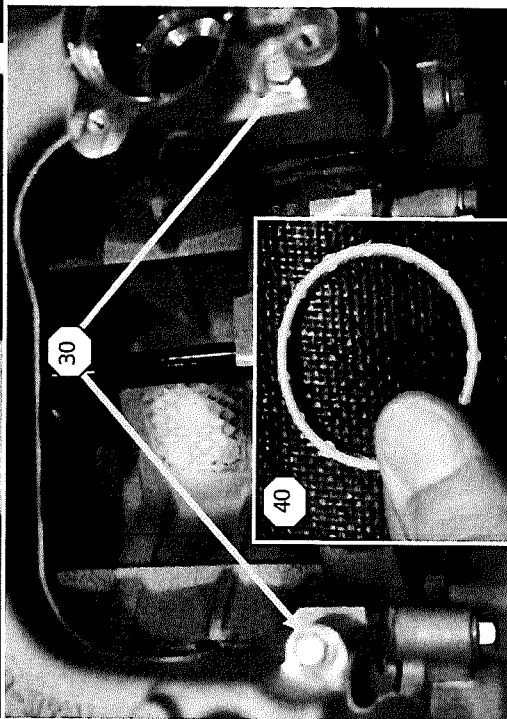
TORQUE

ITEM

OPERATION



2007 to 2009 WATER CROSSOVER SHOWN -
2005 to 2006 CROSSOVERS ARE SIMILAR



10

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50

Before removing the water crossover, plug the weep hole at the back of the engine block. This will contain the coolant on the top of the block for easier clean up and less mess.

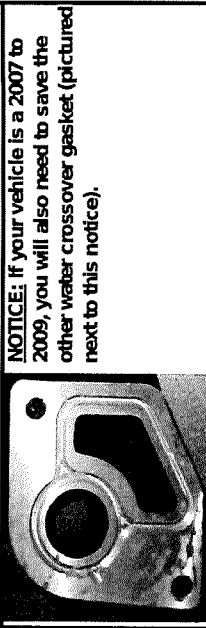
Disengage the locking clip on the heater return and supply hose and disconnect the hose from the back of the water crossover.

Remove the two remaining 10mm bolts retaining the water crossover to the engine (the other two bolts were shared with the intake manifold). Remove the water crossover.

Save the round blue gasket found on the underside of the water crossover. It will be used on the new crossover.

NOTICE: For 2007 to 2009 vehicles, see below.

After the water crossover is removed, cover the exposed head ports with masking tape.



NOTICE: If your vehicle is a 2007 to 2009, you will also need to save the other water crossover gasket (pictured next to this notice).

ITEM PART NUMBER QTY. DESCRIPTION

ITEM	PART NUMBER	QTY.	DESCRIPTION

TORQUE

NOTES:

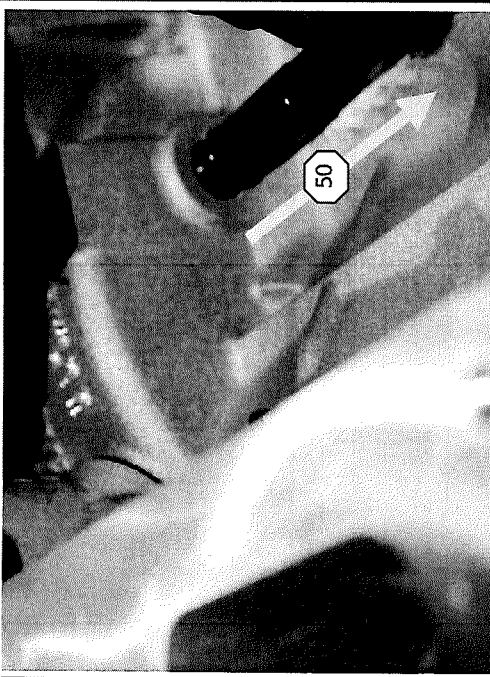
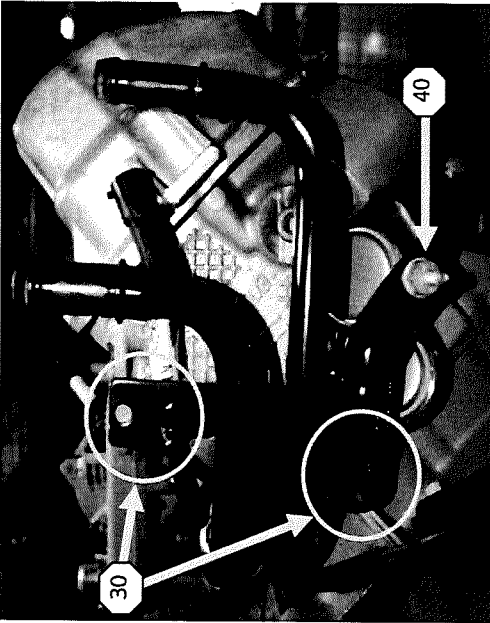
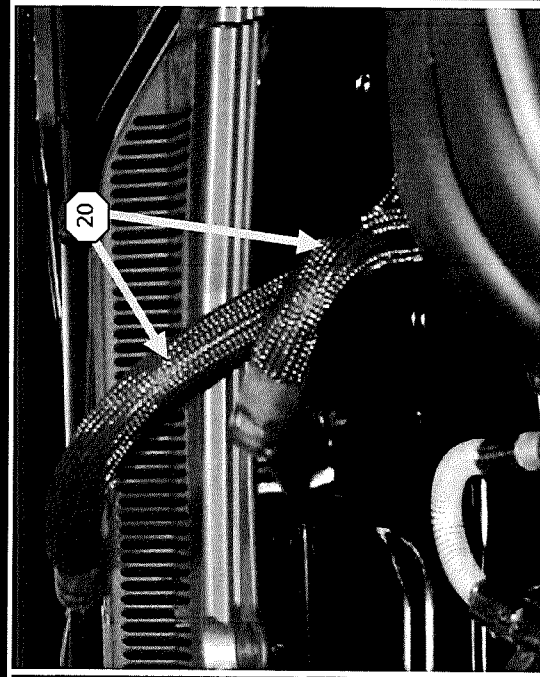
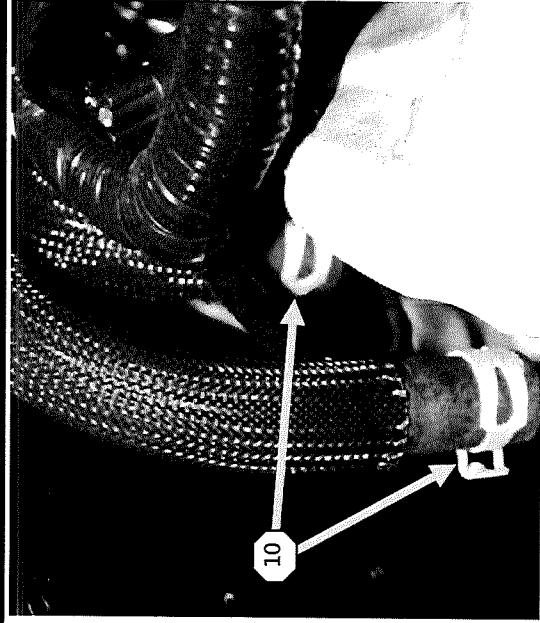
SALEEN SPEEDOLA

PROCESS	PAGE
REMOVE WATER CROSSOVER	20

TORQUE

ITEM

OPERATION



10 Locate the heater hoses behind the passenger (RH) side valve cover, and use a hose clamp tool to remove them. The hoses may be glued onto the water tube, so heat may be needed to break down the glue. If heat is used, make sure that the wires are out of the way to prevent damage.

20 Set the heater hoses out of the way so the harnesses and water tube stud bolt can be accessed.

30 Remove the 2 engine harness connectors from the back of the water tube assembly if they are still attached.

40 Remove the 13mm stud bolt holding the water tube to the back of the passenger (RH) side head.

50 Pull the water tube rearward to slide the water tube off of the coolant fitting in the engine block. Remove the water tube.

ITEM	PART NUMBER	QTY.	DESCRIPTION

TORQUE

NOTES:

SALEEN SPEEDLAB

PROCESS	PAGE
REMOVE WATER TUBE	21

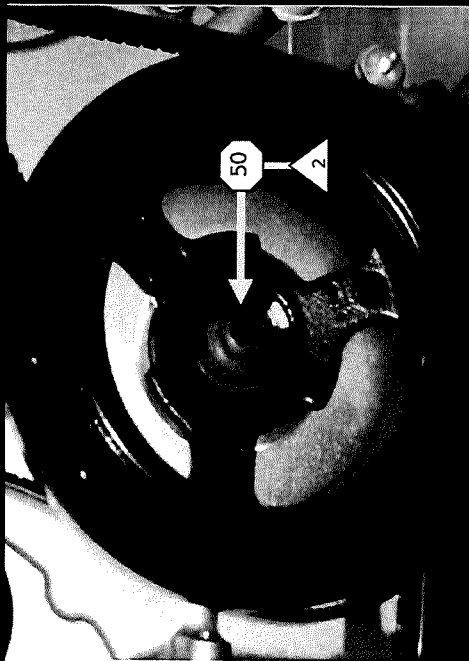
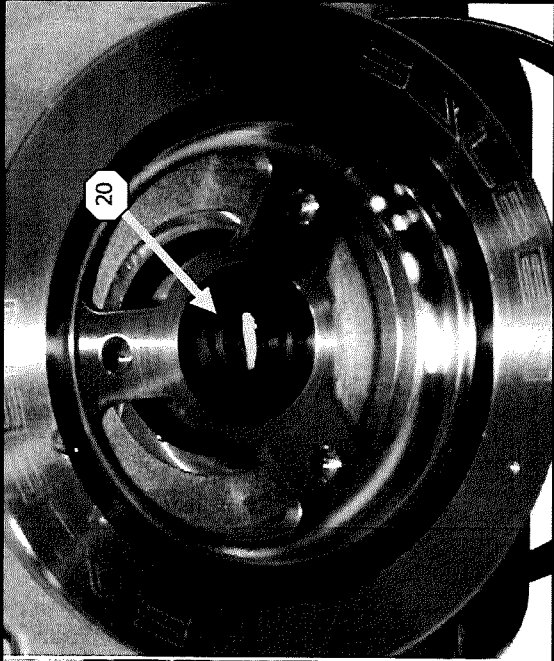
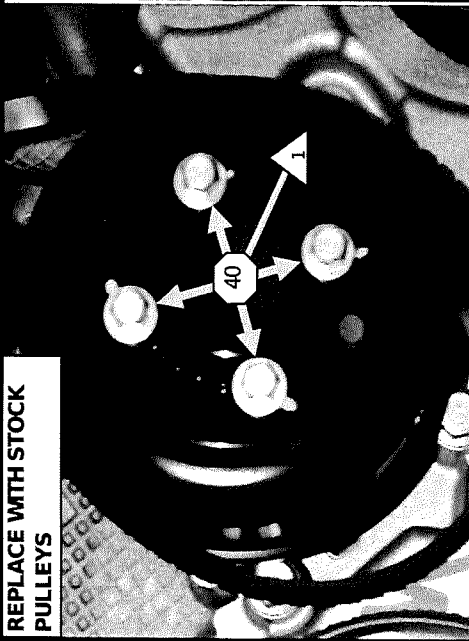
TORQUE

ITEM

REMOVE THESE PULLEYS IF EQUIPPED



REPLACE WITH STOCK PULLEYS



OPERATION

NOTICE: If your vehicle is a S281 3-Valve, H281 3-Valve, or any other vehicle that has this pulley system (shown at the top left), these pulleys need to be removed and returned to stock. The same goes for any other aftermarket pulley system your vehicle may have. The Saleen Series V1.5 Supercharger System only works with the stock pulley system.

Remove the water pump pulley by removing the four 10mm bolts. Once the bolts are removed, the pulley will slide right off the water pump.

Remove the crankshaft damper pulley by holding the damper from moving, and then with a breaker bar or impact, remove the one 18mm center bolt.

Using a crank pulley puller, remove the crank pulley from the engine.

Obtain the Ford water pump pulley (XL3E-8A528-AA) and set it onto the water pump. Retrieve the four 10mm bolts removed from **OPERATION 10** and apply blue Loctite to the threads. Re-install the 4 bolts. With a torque wrench, tighten each bolt to **18 Lb-ft +/- 2.7 Lb-ft**.

Install the Ford crank damper pulley (6316) by sliding it onto the end of the cranks shaft (line up the crank key with the crankshaft keyway). Apply a dab of sealant to the keyway, and install 1 new 18mm torque-to-yield bolt (FR5Z-6A340-B) and tighten with a torque wrench using the following process....

The torque sequence is as follows...

1. 66 +/- 9.9 Lb-ft
2. Loosen 360°
3. 37 +/- 5.5 Lb-ft
4. + 90° Rotation

TORQUE

1. 18 +/- 2.7 Lb-ft

2. 1. 66 +/- 9.9Lb-ft
2. Loosen 360°
3. 37 +/- 5.5Lb-ft
4. + 90°

SALEEN SPEEDLAB

PROCESS

REPLACE SALEEN 3-VALVE PULLEYS WITH STOCK PULLEYS

VEHICLES EQUIPPED WITH UNDERDRIVE PULLEYS

PAGE

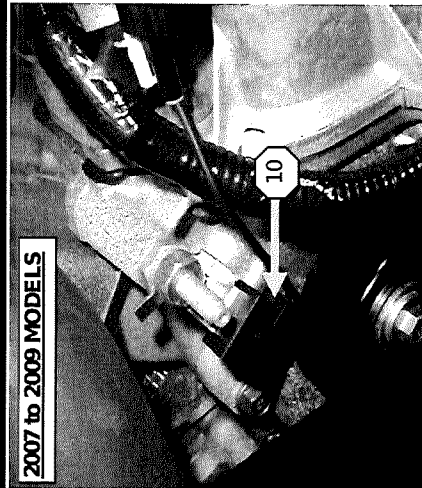
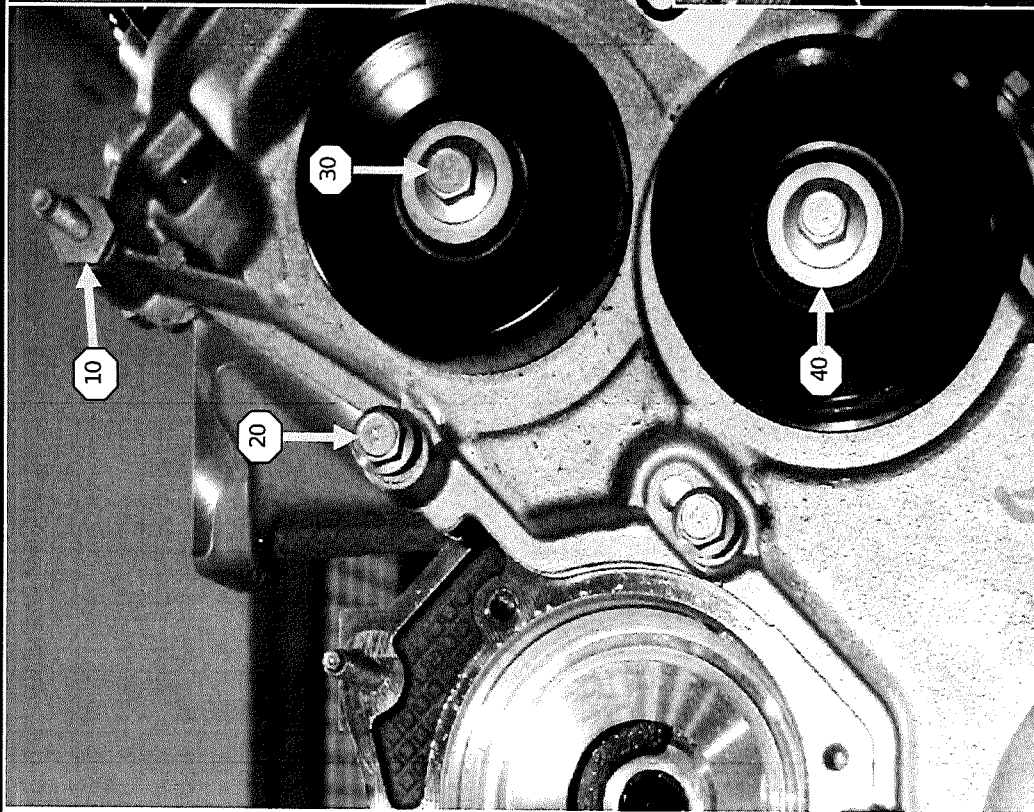
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NOTES:

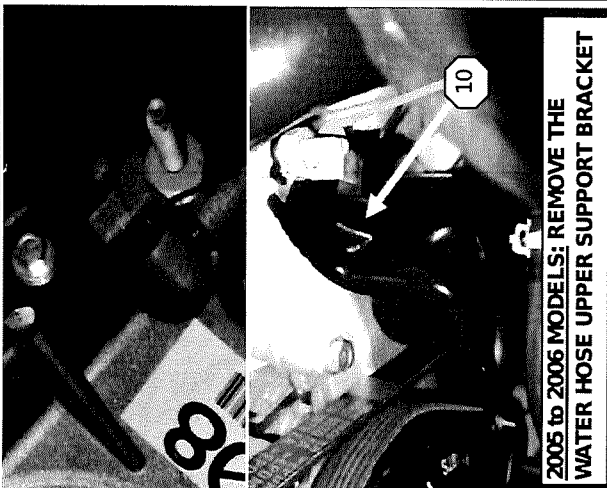
TORQUE

ITEM

OPERATION



2007 to 2009 MODELS



2005 to 2006 MODELS: REMOVE THE WATER HOSE UPPER SUPPORT BRACKET

10

Remove the 15mm nut holding the driver side ignition interference capacitor. Slide the capacitor off of the stud and let it hang. Remove the 18mm hex stud from the front engine cover.

NOTICE: The 2005 & 2006 Model Vehicles will have a water hose support brackets behind the Ignition interference capacitor. This will need to be removed with the items above as well.

20

Remove the front engine cover 13mm bolt located just inboard of the driver side upper idler pulley.

30

Remove the top idler pulley (mounted on the driver side of the motor) by removing the 13mm center bolt.

40

Remove the bottom idler pulley (mounted on the driver side of the motor) by removing the 13mm center bolt.

NOTICE: Save the pulley bolt and washer. it will be re-used.

ITEM PART NUMBER QTY. DESCRIPTION

ITEM	PART NUMBER	QTY.	DESCRIPTION

TORQUE

TORQUE	PROCESS	PAGE

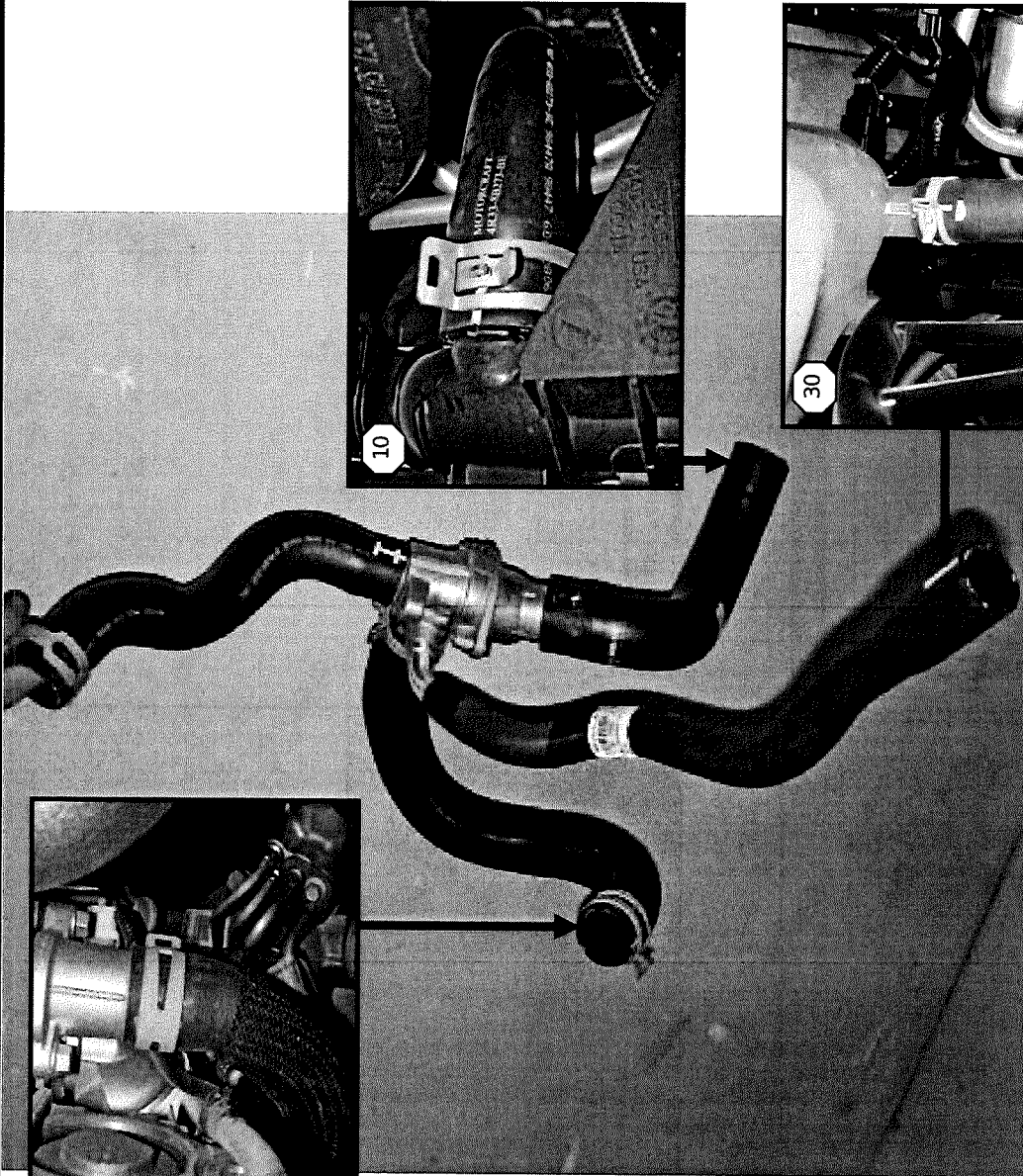
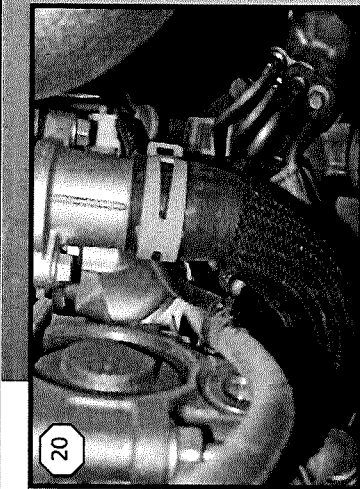
NOTES:

REMOVE ACCESSORY DRIVE PULLEYS & FASTENERS

TORQUE

ITEM

OPERATION



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Using tension clamp pliers to compress the tension clamp, remove the lower thermostat outlet hose from the lower radiator inlet.

Remove the large thermostat side inlet hose from the engine block outlet.

Remove the small thermostat side inlet hose from the lower outlet of the coolant reservoir.

Remove coolant hose assembly.

NOTICE: Remove all of the tension clamps from the end of each hose. These clamps will be re-used in a later process. Some clamps might be glued to the hose. The glue can be softened with heat.

ITEM PART NUMBER QTY. DESCRIPTION

TORQUE

NOTES:

SALEEN SPEEDLAB

PAGE

REMOVE COOLANT HOSE ASSEMBLY

2005 - 2006 VEHICLES

24

TORQUE

ITEM

OPERATION

NOTICE: For the next few steps, the front end of the vehicle will need to be elevated off of the ground. All vehicles when being lifted should be on flat solid ground. If a jack is being used, make sure the vehicle is supported on jack stands (at least 1 at each front corner, at a solid place on the frame). Make sure the rear wheels are chocked, the parking brake is set, and the vehicle is in park or in gear. **REMEMBER, when lifting any vehicle whether it be with a hoist, jack, etc., follow all safety guidelines in the equipment's manual.**

10 Break loose the 5 lug nuts on the RH front wheel with a breaker bar and a 13/16" socket

20 Elevate the front of the vehicle off of the ground, so that the front tires no longer touch the ground (**READ NOTICE ABOVE**)

30 Remove the 5 lug nuts on the RH front wheel with a 13/16" socket. Make sure to hold the wheel, it may want to fall off the hub once all lug nuts are removed.

40 Remove the RH front wheel and set it aside where it will not be damaged.



ITEM PART NUMBER QTY. DESCRIPTION

ITEM	PART NUMBER	QTY.	DESCRIPTION

TORQUE

TORQUE	PROCESS

SALLEN SPEEDOLA

PAGE

REMOVE RH FRONT WHEEL

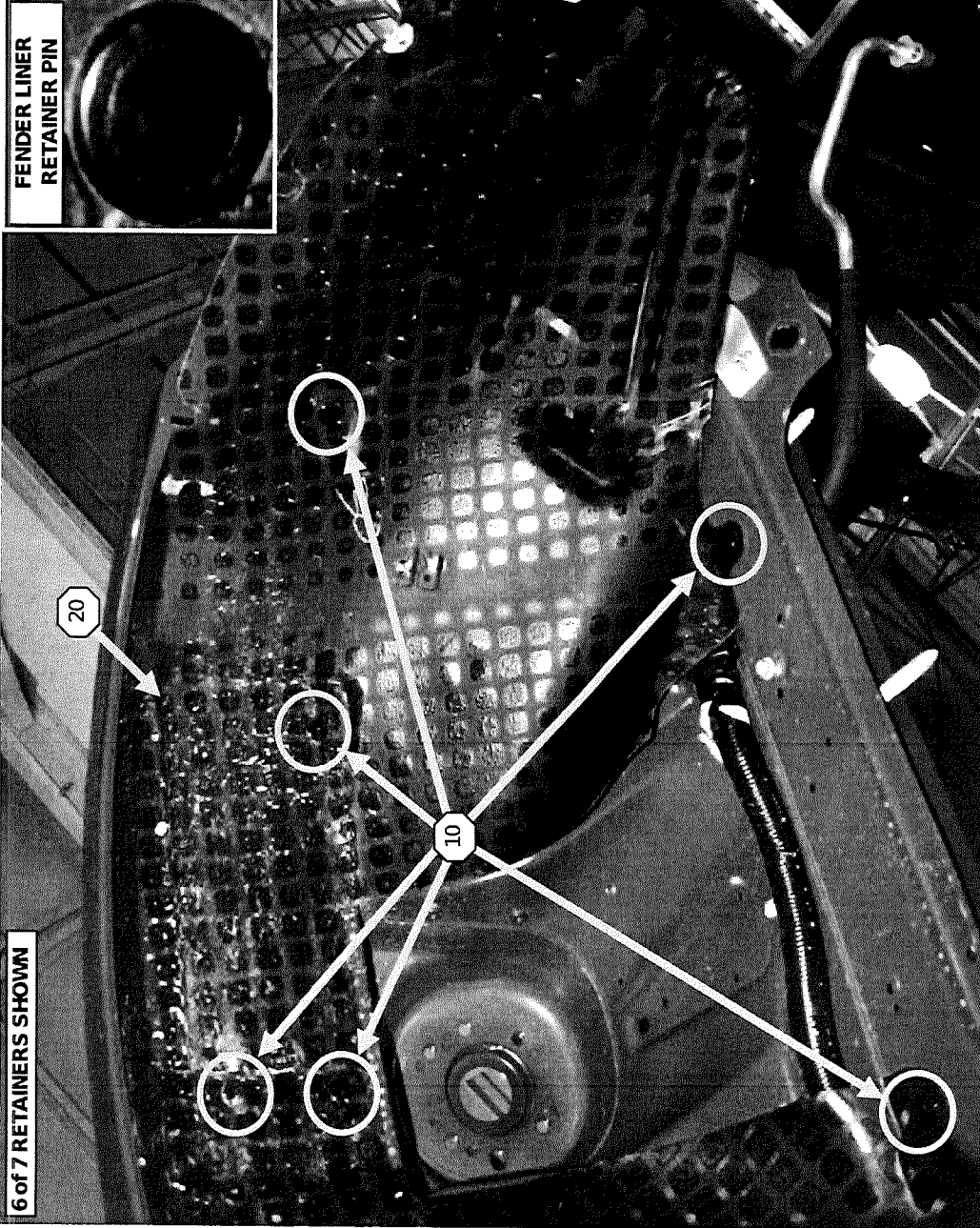
25

NOTES:

TORQUE

ITEM

6 of 7 RETAINERS SHOWN



FENDER LINER RETAINER PIN

10

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NOTE: The fender liner is made up of 2 pieces

With a Philips screw driver, rotate the head of each pin retainer to pop loose the head and then pull to remove. There are 7 retainers pins holding each half of the front fender liner into place.

Remove each front fender liner and set aside.

OPERATION

ITEM PART NUMBER QTY. DESCRIPTION

ITEM	PART NUMBER	QTY.	DESCRIPTION

TORQUE

NOTES:

SALEEN SPEEDLAB

PAGE

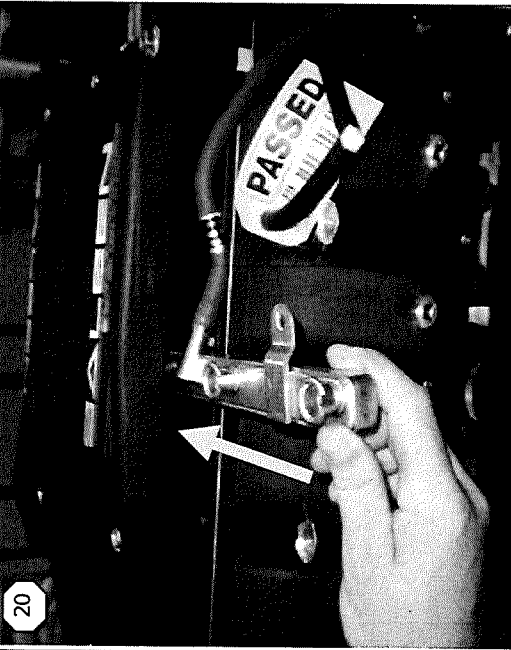
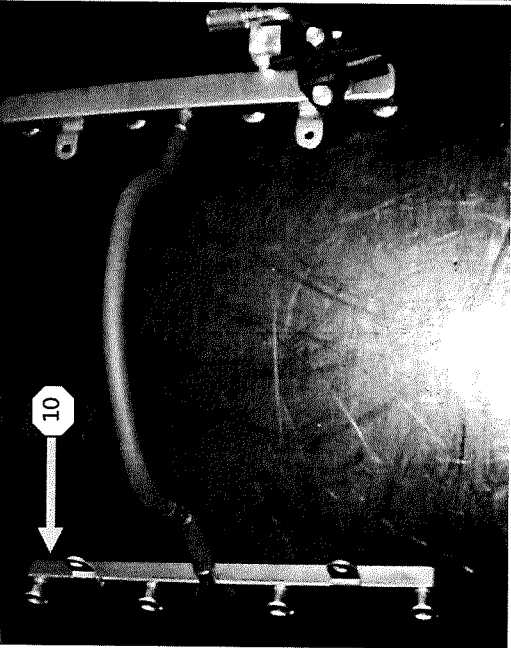
REMOVE RH FRONT FENDER LINERS

26

TORQUE

OPERATION

ITEM



NOTICE: No smoking, flames, or sparks around the fuel system. The fuel line and fuel rail can give off fumes that are flammable and may ignite if there is any form of spark or open flame near it.

Retrieve the fuel rail (removed on Page 11-1 to 11-2). Rotate the passenger (RH) side fuel rail 180 degrees so that the injector ports are facing upward.

Retrieve the supercharger assembly. Take the upside-down portion of the fuel rail (RH rail), and insert it into the LH side of the gap in the lid.

Slide the RH fuel rail through the gap in the lid until it comes out the RH side.

Once the RH fuel rail has passed through the lid, rotate it back into its previous position (fuel injector ports facing downward).

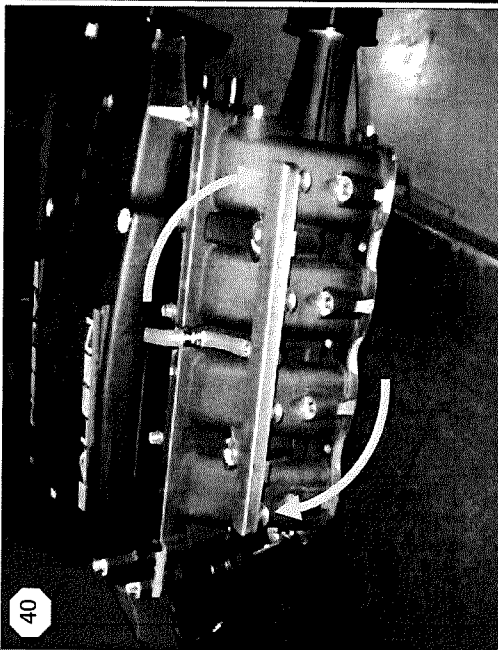
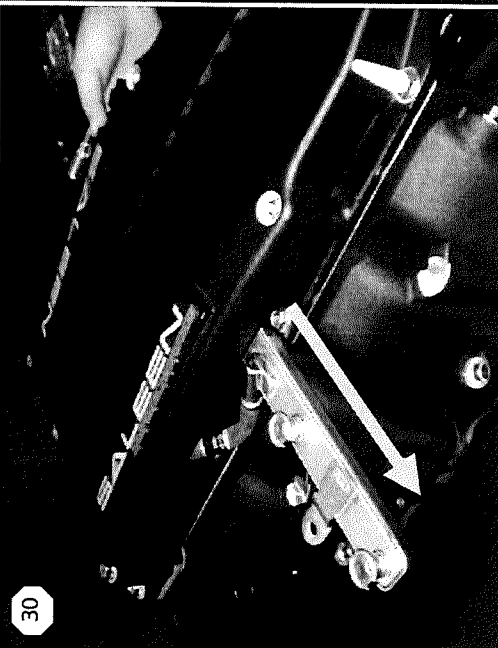


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ITEM	PART NUMBER	QTY.	DESCRIPTION

TORQUE

NOTES:

SALEEN SPEEDLAB

PROCESS

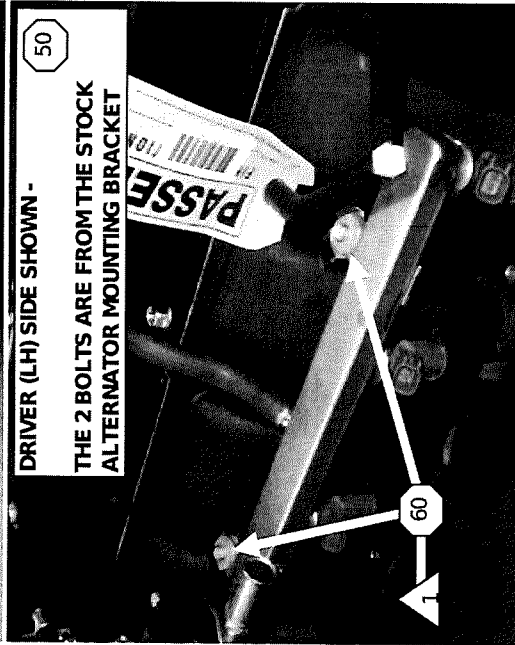
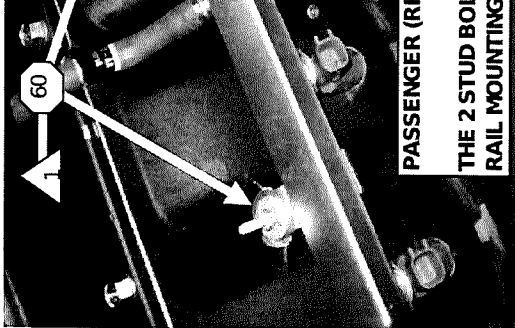
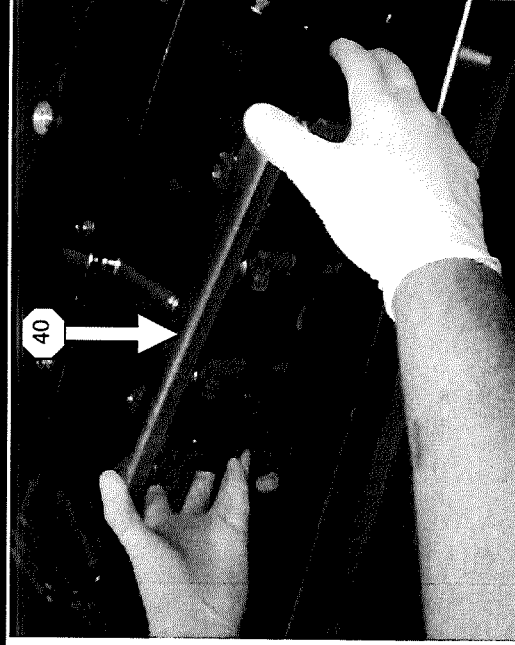
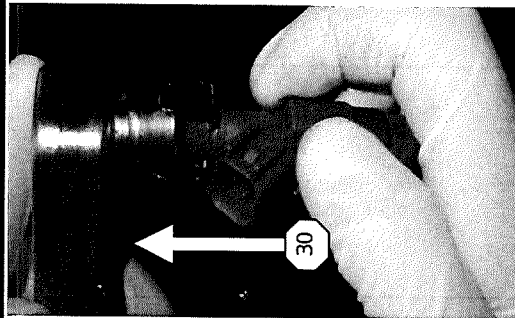
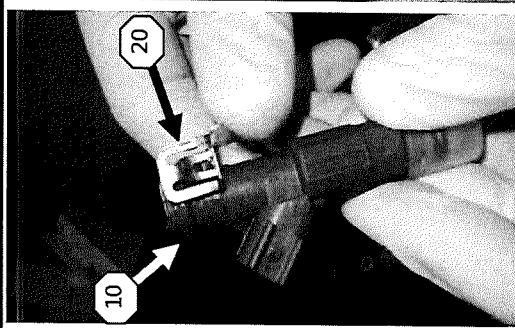
PAGE

INSTALL FUEL RAIL & INJECTORS

27

TORQUE

ITEM



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OPERATION

NOTICE: No smoking, flames, or sparks around the fuel system. The fuel line and fuel rail can give off fumes that are flammable and may ignite if there is any form of spark or open flame near it.

Retrieve the 8 fuel injector clips removed on Page 11-2, and the 8 new fuel injectors (A) from the kit. Wipe silicone lubricant onto each fuel injector o-ring (Dow Corning #111 Valve Lubricant & Sealant)

Install the fuel injector retainer clips onto each injector. The clip will slide into the channel on top of each injector. The 2 ears of each clip will need to face upward.

Once there is a clip on each injector, insert each injector into the fuel rail. Make sure the connector portion of each injector faces outboard, and that both ears of the locking clip engage the fuel rail port.

When all 8 injectors are installed, carefully press the injectors into the supercharger assembly. When the injectors are seated, the mounting tabs for each fuel rail will line up with the mounting holes in the supercharger assembly.

Fasten the fuel rail to the supercharger assembly with four 8mm bolts. Two of the bolts are the old fuel rail mounting stud bolts, they will be used to mount the passenger (RH) side fuel rail. The remaining 2 bolts are from the factory alternator mounting bracket (removed on Page 13-2). Those bolts will be used to mount the driver (LH) side fuel rail.

Tighten the 4 fuel rail bolts with a torque wrench to **91 Lb-in +/- 13.6 Lb-in.**

NOTICE: If the 8mm alternator mounting bolts were not saved, all four fuel rail stud bolts can be used. The alternator bolts were used for appearance purposes.

ITEM	PART NUMBER	QTY.	DESCRIPTION
A	00-1701-C120760	8	Fuel Injector, 2005 S281 E

TORQUE

1	91 +/- 13.6 Lb-in	PROCESS	PAGE
		INSTALL FUEL RAIL & INJECTORS	28

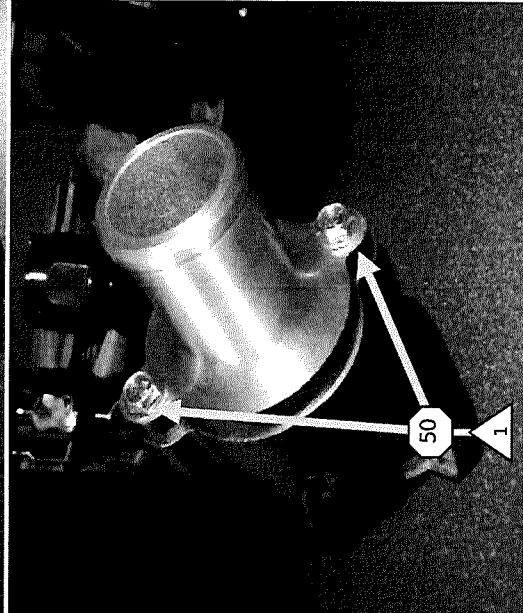
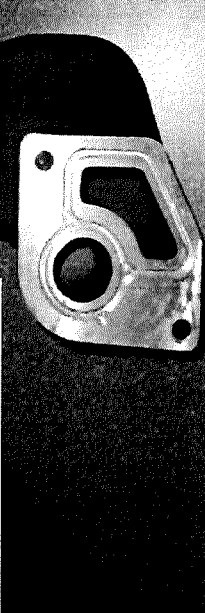
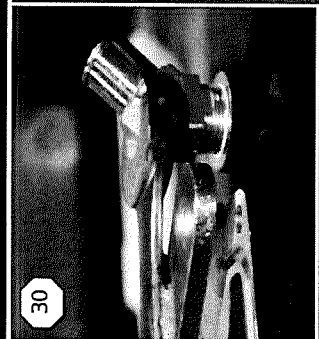
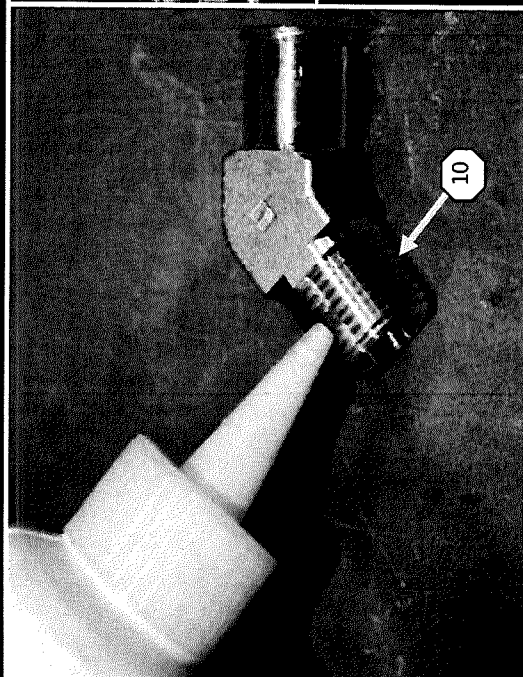
SALEEN SPEEDLAB

NOTES:

TORQUE

ITEM

OPERATION



10 Retrieve the brass 45 degree fitting (A) and apply pipe dope to the threads.

20 Thread the fitting into the bottom of the water crossover (B) until it is snug.

30 Use a 21mm wrench to tighten the fitting. Turn the wrench until the fitting is positioned as shown.

40 **2005 to 2006 Models:** Retrieve the new thermostat (C) and o-ring (D), and re-install it into the water crossover. First set the thermostat into the water crossover, and then set the o-ring in place as shown.

2007 to 2009 Models: Retrieve the thermostat and o-ring (removed on Page 20), and re-install it into the water crossover. First set the thermostat into the water crossover, and then set the o-ring in place as shown.

50 Set the thermostat housing cover (water neck) onto the crossover (E) and line up the mounting holes (the bottom of the cover should be applying firm pressure to the o-ring to create a good seal). Install 2 bolts (F) and tighten to **91 Lb-in +/- 13.6 Lb-in**.

ITEM	PART NUMBER	QTY.	DESCRIPTION
A	00-2003-C104470	1	Brass Fitting 45 Degree, 3/4" Barb
B	00-2003-C19336	1	Water Crossover Series V1.5
C	00-2003-C19363	1	Thermostat Mustang 2007 to 2009
D	06-2003-C143810	1	O-Ring, Thermostat
E	00-2003-C19335	1	Water Neck, Water Crossover
F	00-9001-C101410	2	Capscrw Hex M6x1.0mm 25mm

TORQUE



91 +/- 13.6 Lb-in

SALEEN SPEEDOLAB

PROCESS	PAGE
ASSEMBLE WATER CROSSOVER	29

NOTES:

OPERATION

Retrieve the washer (A) and the nut (B) for the alternator. Apply a dab of red Loctite to the threads of the alternator nut.

Slide the washer over the alternator input shaft and onto the pulley. Then thread the nut onto the alternator input shaft and while holding the pulley, run the 24mm nut down with an impact.

Obtain 1 alternator stand-off (C) and a 1" section of red heat shrink (D). Slide the heat shrink over the stand-off and apply heat to form the heat shrink to the stand-off.

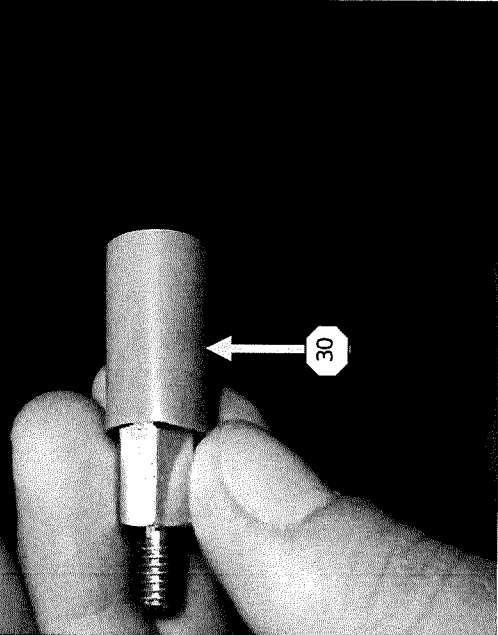
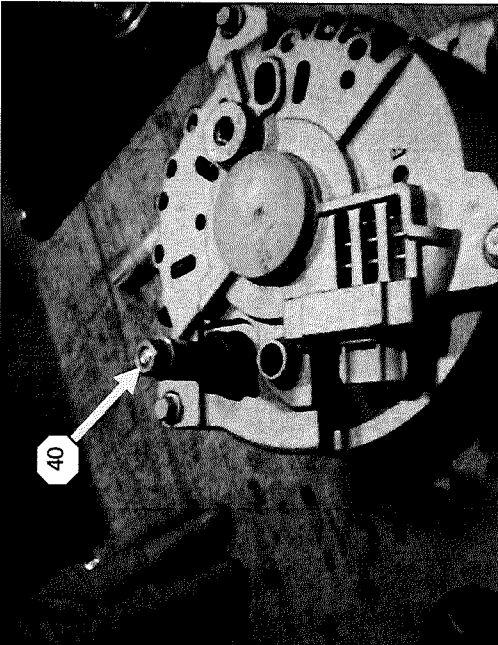
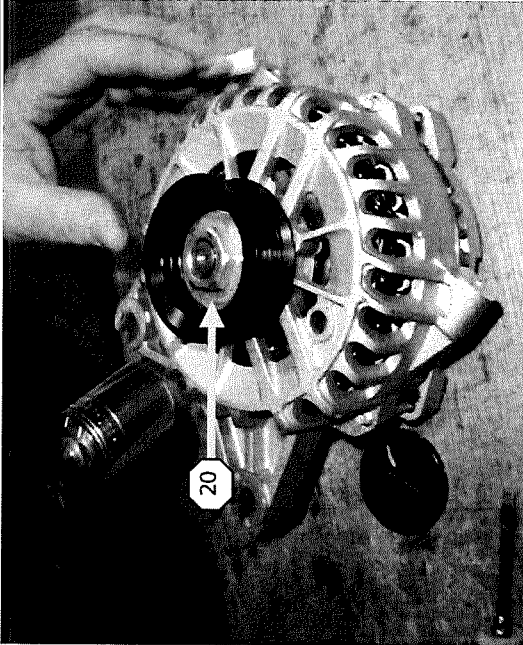
Thread the stand-off onto the stud on the back of the alternator (where the harness attached). Tighten the stand-off to spec, and then re-install the stock 10mm nut.

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ITEM PART NUMBER QTY. DESCRIPTION

A	00-9004-C111460	1	Washer 17mm ID .40mm OD
B	00-9003-C102610	1	Nut Hex Jam M16x1.5x8mm
C	00-1706-C153230	1	Standoff, Alternator Wire
D	00-1703-C070870	1"	Dual Wall Heat Shrink 1/2" Red

TORQUE

SALEEN SPEEDLAB

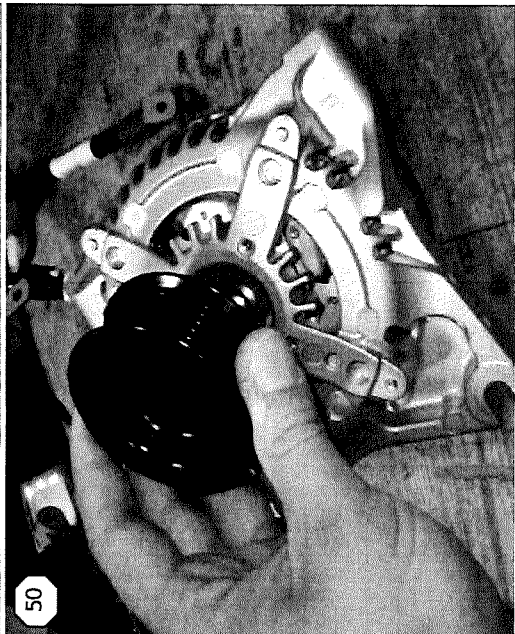
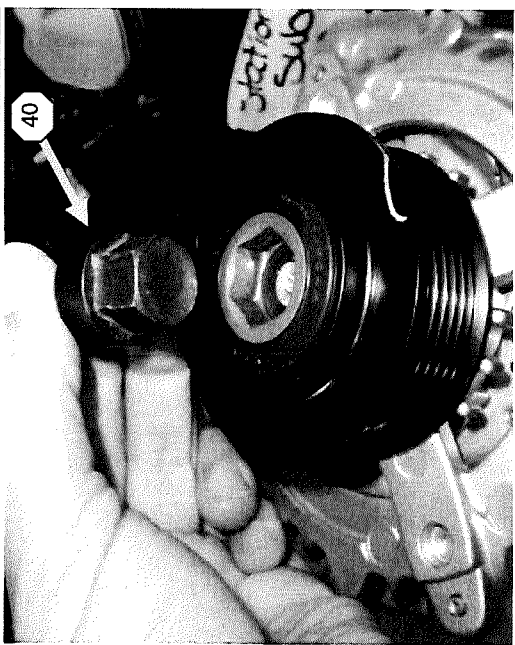
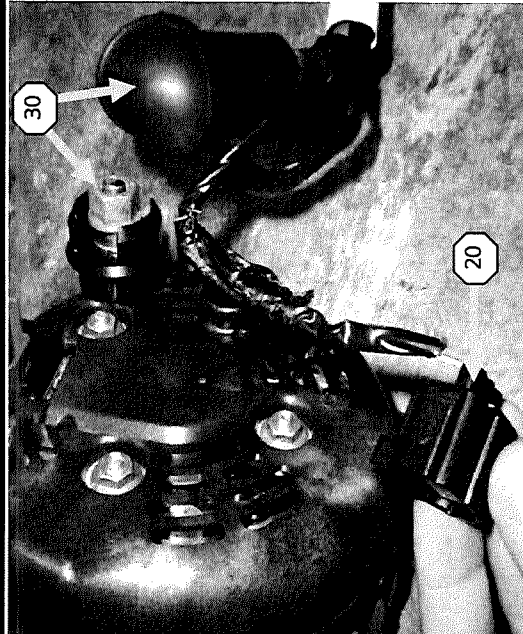
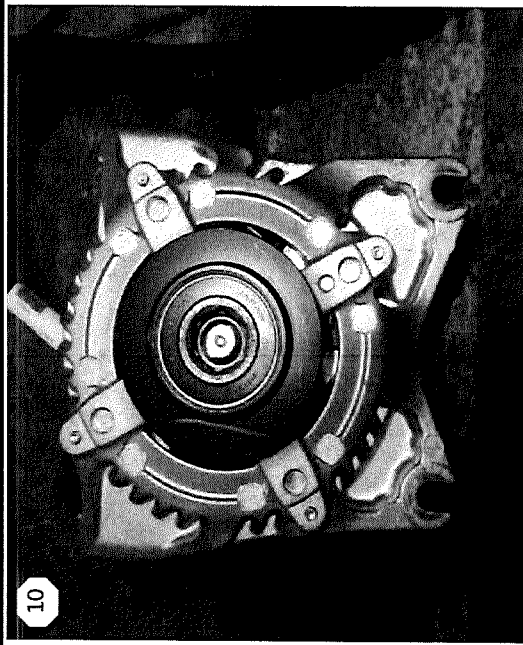
PROCESS	PAGE
REPLACE ALTERNATOR PULLEY	B
2005 - 2008 VEHICLES	31

NOTES:

TORQUE

ITEM

OPERATION



10 Retrieve the take-off alternator with attached alternator harness.

20 Disconnect the alternator harness electrical connector. There is a tab that needs to be depressed on the connector. Push in the tab and pull the connector away from the alternator.

30 Remove the 13mm nut holding the alternator harness ring terminal to the alternator. Remove the alternator harness.

40 Retrieve the Ford alternator pulley tool and attach it to an impact. Insert the tool into the center of the pulley and operate the impact to remove the pulley.

50 **NOTICE: A pulley removal kit (not included) will be needed to remove the factory alternator pulley for 2009 vehicles.**

Slip the new alternator pulley (A) over the alternator input shaft (where the original pulley was installed). Make sure the raised boss of the new pulley is facing the alternator.

ITEM PART NUMBER QTY. DESCRIPTION

A	06-1602-C18921	1	Alternator Pulley S/C S197 2009

TORQUE

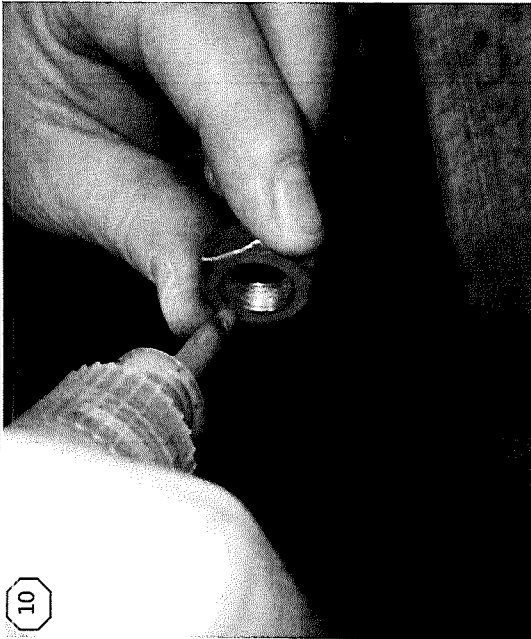
NOTES:

TORQUE

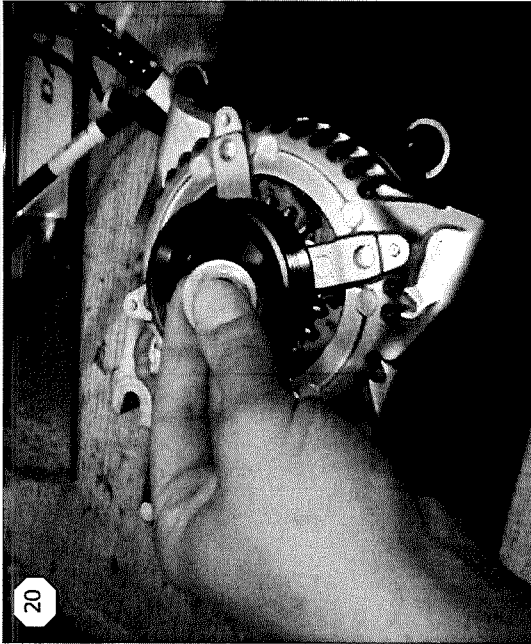
ITEM

OPERATION

10



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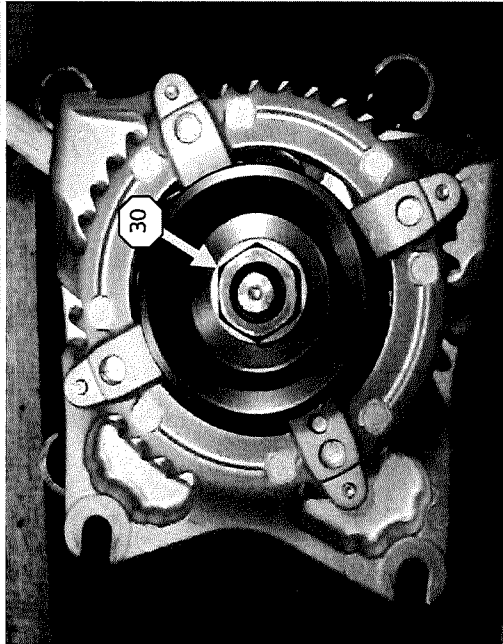
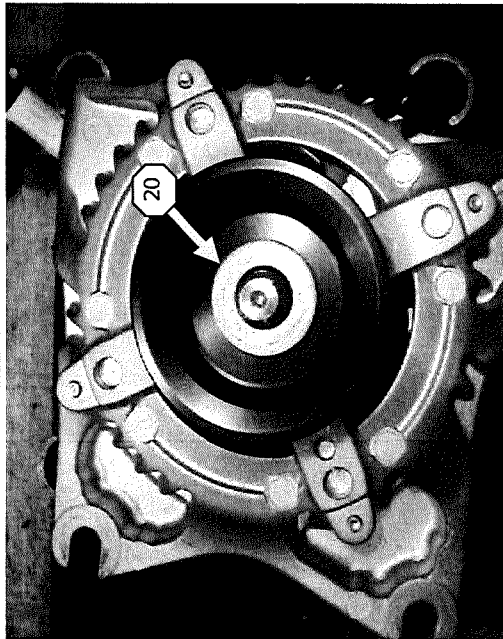
20

30

Retrieve the washer (A) and the 22mm nut (B) for the alternator. Apply a dab of red Loctite to the threads of the alternator nut.

Slide the washer over the alternator input shaft and onto the pulley.

Thread the 22mm nut onto the alternator input shaft and while holding the pulley, run the nut down with an impact.



ITEM PART NUMBER QTY. DESCRIPTION

A 00-9004-C18923 1 Washer 14mm

B 00-9003-C18922 1 Nut Hex Jam M14x1.5mm

TORQUE

NOTES:

SALLEEN SPEEDLAB

PROCESS

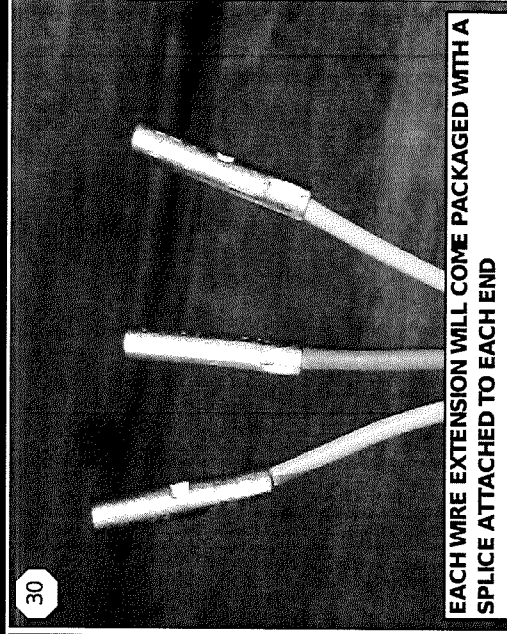
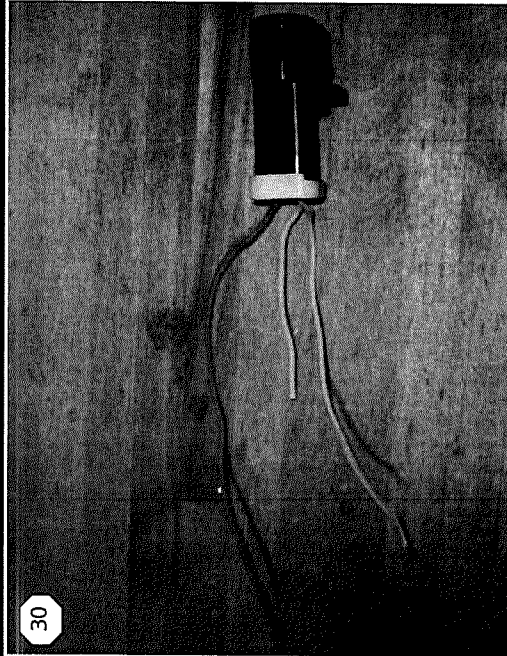
PAGE

REPLACE ALTERNATOR PULLEY

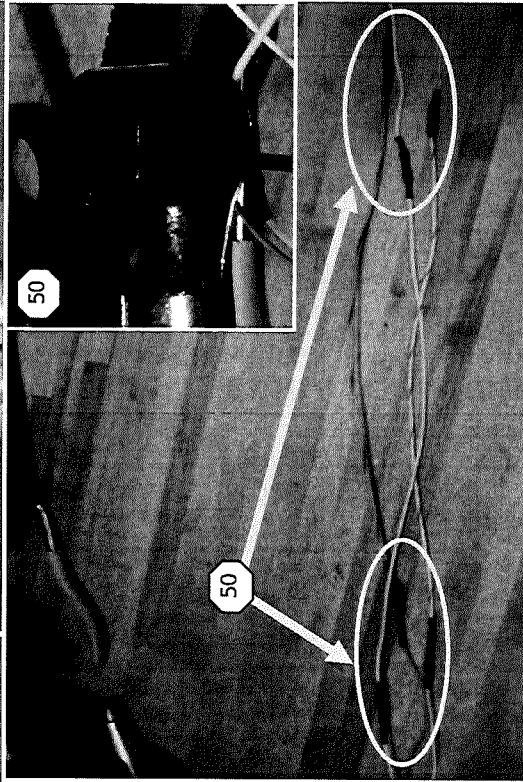
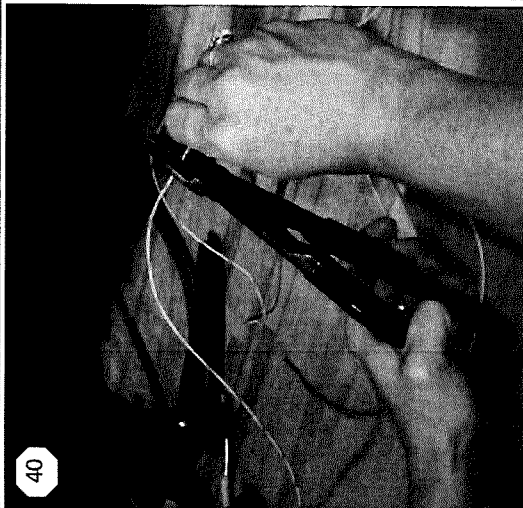
2009 VEHICLES

C

31



EACH WIRE EXTENSION WILL COME PACKAGED WITH A SPLICE ATTACHED TO EACH END



10 Retrieve the signal harness that was removed from the alternator harness on **Page 32AB**, and cut the 3 wires near the barrel connector. Start by cutting the yellow wire 2" back from the connector, and then cut the remaining 2 wires farther down the harness. Make sure to stagger each cut so that the splices will not overlap.

20 After cutting the signal harness into two pieces, strip the wires. Slide heat shrink (A) onto each of the wires. There will be pieces of heat shrink total (2 per wire extension).

30 Obtain the three 12.25" signal wire extensions (a yellow wire (B), yellow wire w/ blue stripe (C), and an orange wire w/ blue stripe (D)). Each extension will come packaged with a splice (E) crimped on each end.

40 Attach each wire extension to the matching wire color of the signal harness (ex. Yellow harness wire to yellow extension wire). Use a tool to crimp each splice.

50 Once all three extensions are spliced into the signal harness, slide each piece of heat shrink over each butt splice. Apply heat to each piece of heat shrink to seat it in place.

ITEM	PART NUMBER	QTY.	DESCRIPTION
A	00-1704-C063000	9"	Heat Shrink, Dual Wall 1/8" Black
B	00-1704-C093820	12.25"	Wire, 20 AWG Yellow
C	00-1704-C129750	12.25"	Wire, 20 AWG Yellow w/ Blue
D	00-1704-C157540	12.25"	Wire, 20 AWG Orange w/ Blue
E	00-1704-C092600	6	Splice, Non-Insulated 18-20 AWG Butt

TORQUE

SALEEN SPEEDLAB	
PROCESS	PAGE
MODIFY ALTERNATOR HARNESS	B
2005 - 2008 VEHICLES	34

NOTES:

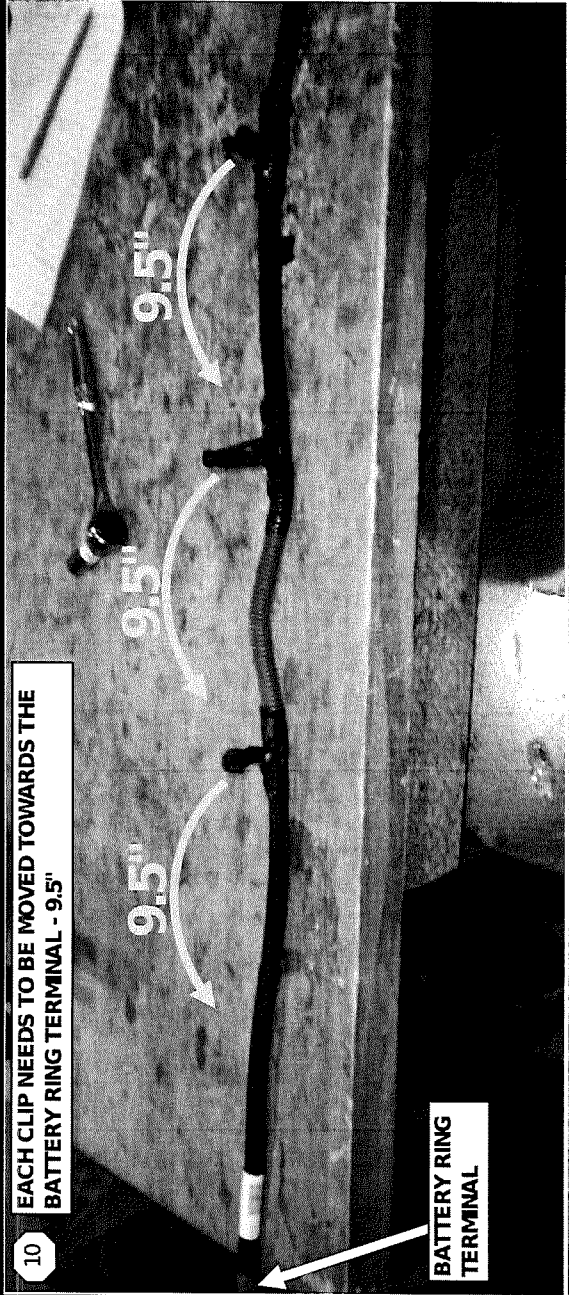
TORQUE

ITEM

OPERATION

10

EACH CLIP NEEDS TO BE MOVED TOWARDS THE BATTERY RING TERMINAL - 9.5"



BATTERY RING TERMINAL

10

Retrieve the take-off alternator harness. Set the harness on the work bench (stretched out). The 3 attachment clips taped to the harness (2 for the fuel rail, 1 for the bulkhead) will need to be moved towards the battery ring terminal 9.5".

NOTICE: Repeat OPERATION 20 to OPERATION 40 for each of the 3 clips on the alternator harness.

20

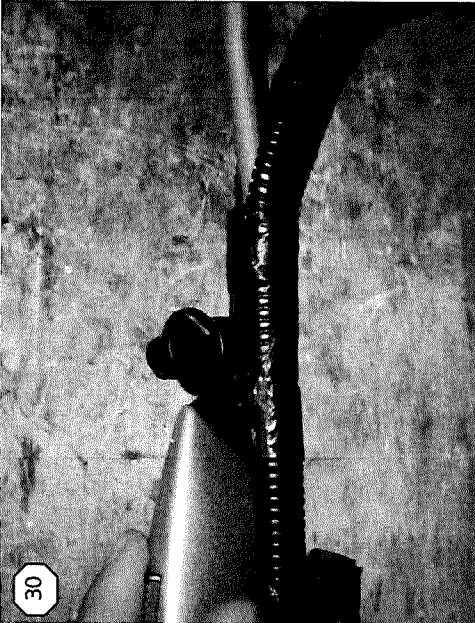
To move the clips, first find the center of each clip. Measure back towards the battery ring terminal 9.5". Mark that spot on the harness with a marker. Repeat for all three clips.

30

Start with the clip closest to the battery ring terminal. Look at the orientation of the clip (the clip will be orientated the same when it is re-attached to the harness). Carefully cut the clip free from the alternator harness, and remove any excess electric tape.

40

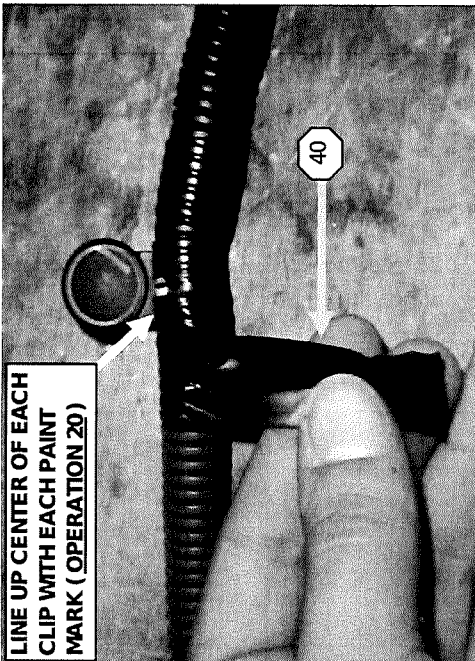
Line up the clip with the marker marking from OPERATION 20. Make sure the orientation of the clip is the same as it was before being removed. Re-attach the clip with electric tape.



30

LINE UP CENTER OF EACH CLIP WITH EACH PAINT MARK (OPERATION 20)

40



ITEM PART NUMBER QTY. DESCRIPTION

ITEM	PART NUMBER	QTY.	DESCRIPTION

TORQUE

NOTES:

SALEEN SPEEDLAB

PAGE

PROCESS

MODIFY ALTERNATOR HARNESS

2009 VEHICLES

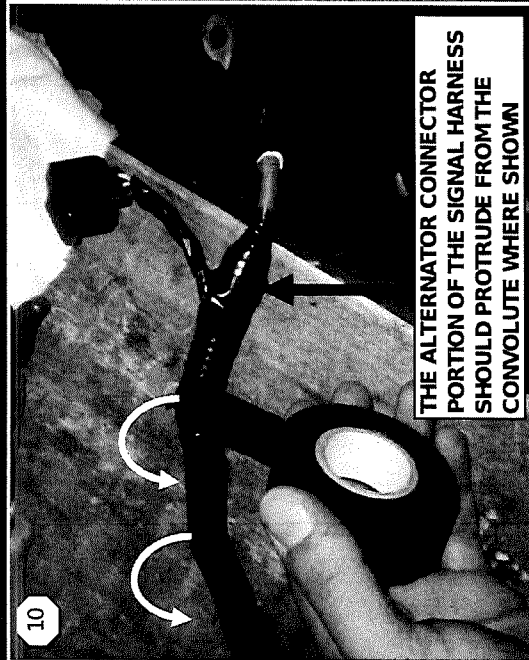
C

32

TORQUE

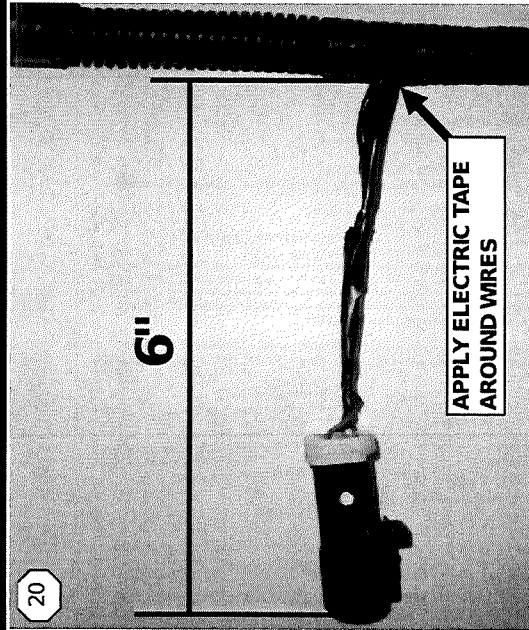
ITEM

OPERATION



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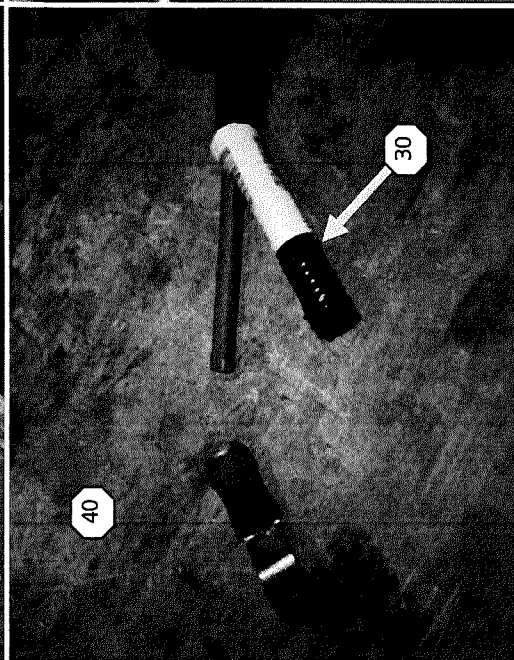
THE ALTERNATOR CONNECTOR PORTION OF THE SIGNAL HARNESS SHOULD PROTRUDE FROM THE CONVOLUTE WHERE SHOWN



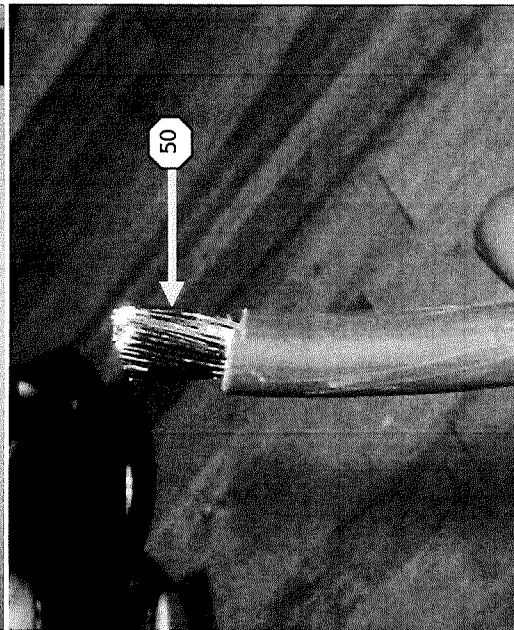
20

6"

APPLY ELECTRIC TAPE AROUND WIRES



40



50

10 Once the signal harness is in position and secured to the positive cable, tuck the wires back into the convoluted tubing. Allow the signal harness to protrude about 0.5" from the end of the convoluted tubing. Wrap the harness with electric tape to keep the wires secure inside the convolute.

20 The engine harness connector on the end of the signal harness should be protruding 6" from the alternator harness convolute. Apply electric tape around the signal harness to keep the connector wire in place.

30 With a razor, cut the electric tape and label holding the convolute onto the harness on the battery terminal side. Peel back the convoluted tubing to reveal the positive cable.

40 Use cutters to remove the battery ring terminal from the positive cable. Make the cut just behind the ring terminal sheathing.

50 Once the ring terminal has been removed from the positive cable, strip the end of the cable.

ITEM PART NUMBER QTY. DESCRIPTION

ITEM	PART NUMBER	QTY.	DESCRIPTION

TORQUE

NOTES:

SALLEN SPEEDLAB	
PROCESS	PAGE
MODIFY ALTERNATOR HARNESS	2009 VEHICLES
C	
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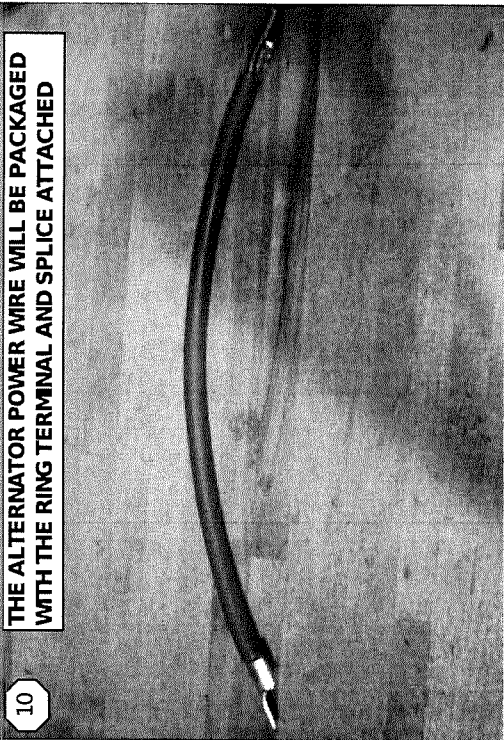
TORQUE

ITEM

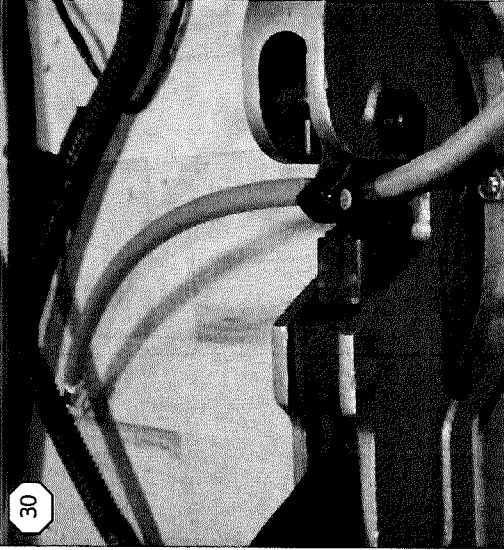
OPERATION

10

THE ALTERNATOR POWER WIRE WILL BE PACKAGED WITH THE RING TERMINAL AND SPLICE ATTACHED



30



10

Retrieve the 10" section of red wire (A), with the attached splice (B) and ring terminal (C).

20

Take the positive cable extension and slide the open end of the splice over the stripped positive cable of the alternator harness. When orientating the extension, make sure the flat ring portion of the ring terminal is facing the bottom of the harness. This will make it easier for the operator to install it on the battery clamp.

30

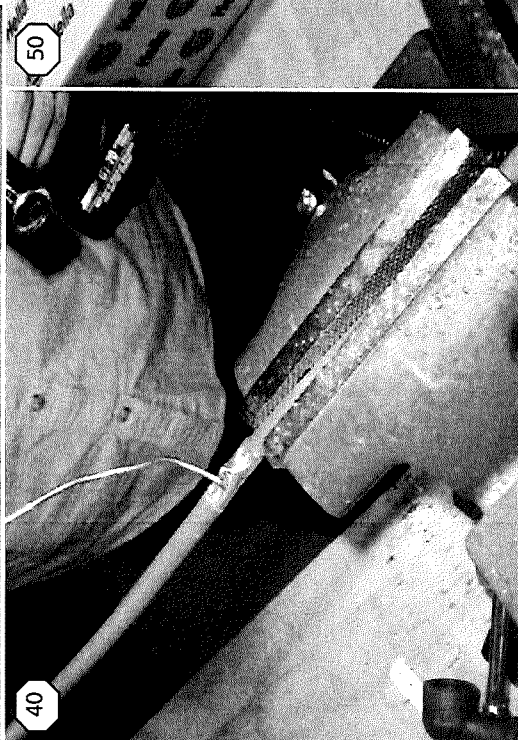
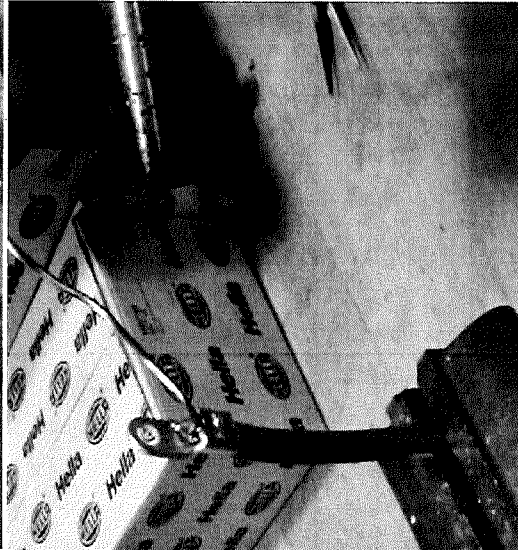
Once the extension is positioned with the ring terminal facing downward, insert the harness into the crimping tool and crimp the splice. Make sure the extension is secure.

40

Clamp the newly extended power wire into a vise so that the small hole in the crimp is facing up. With a torch, heat up the splice and apply solder. Keep applying heat until the solder draws into the hole in the crimp.

50

Reposition the power wire in the vise so that the ring terminal is facing upward. With a torch, heat up the ring terminal and apply solder to the exposed copper wire. Keep applying heat until the solder draws into the wire and ring terminal.



50

ITEM PART NUMBER QTY. DESCRIPTION

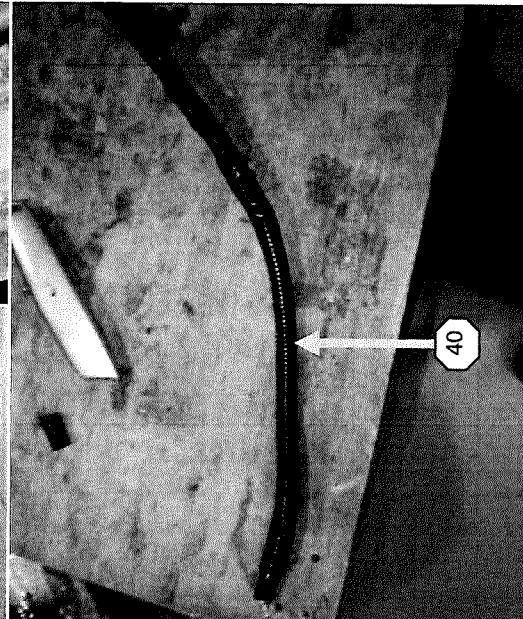
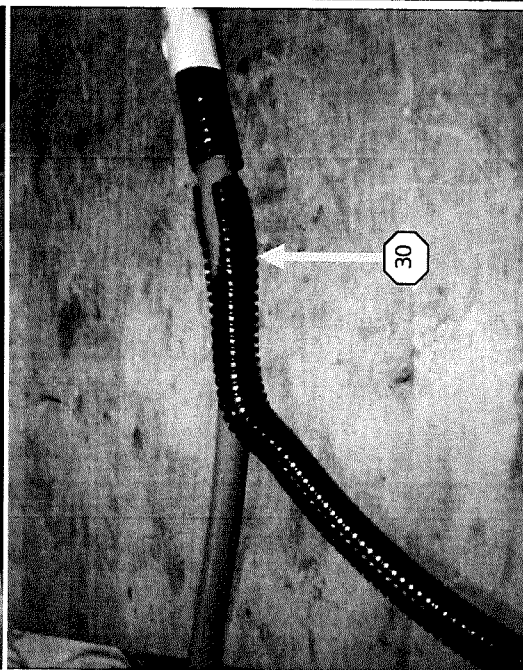
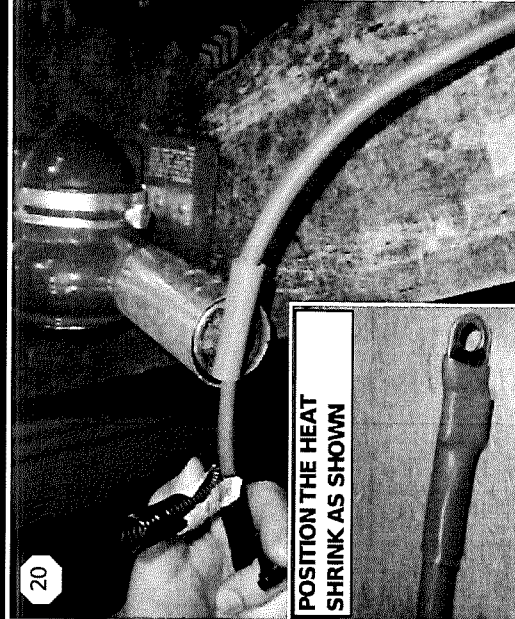
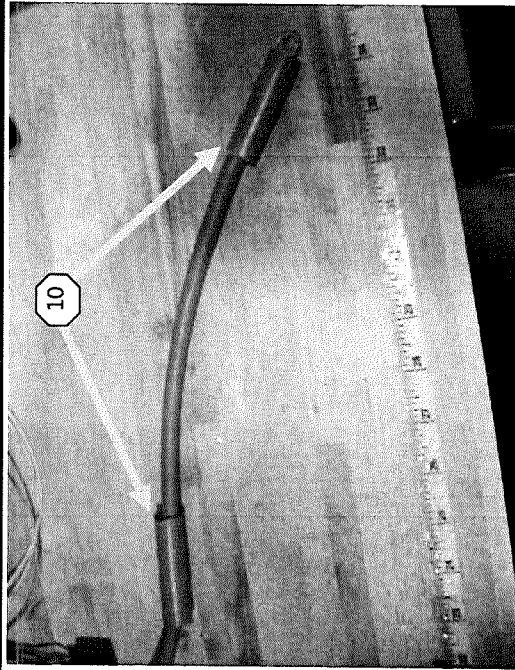
A	00-1703-C070810	10"	Wire, 4 AWG Red
B	00-1703-C070900	1	Terminal, Ring 4 AWG
C	00-1703-C162470	1	Splice, Non-Insulated 6 AWG Built

TORQUE

NOTES:

SALEEN SPEEDLAB

	PAGE	
	PROCESS	
	MODIFY ALTERNATOR HARNESS	
	2009 VEHICLES	C
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10 Allow both the splice and the ring terminal to cool. Once cool, slide two 1.5" sections of red heat shrink (**A**) onto the positive cable. One section will cover the splice while the other section will cover the crimped portion of the ring terminal.

20 Apply heat to until each section of heat shrink is fully seated to the positive cable. Make sure the heat shrink for the ring terminal is positioned as shown.

30 Retrieve the 10.5" section of 3/8" convoluted tubing (**B**). Apply the new convoluted tubing to the exposed portion of the alternator harness.

40 Once the new convolute is in position, secure it to the end of the existing convolute with electric tape. Electric tape the convolute together every 3". Once to the ring terminal, electric tape the end of the convoluted tubing to the base of the ring terminal (do not cover the ring portion itself).

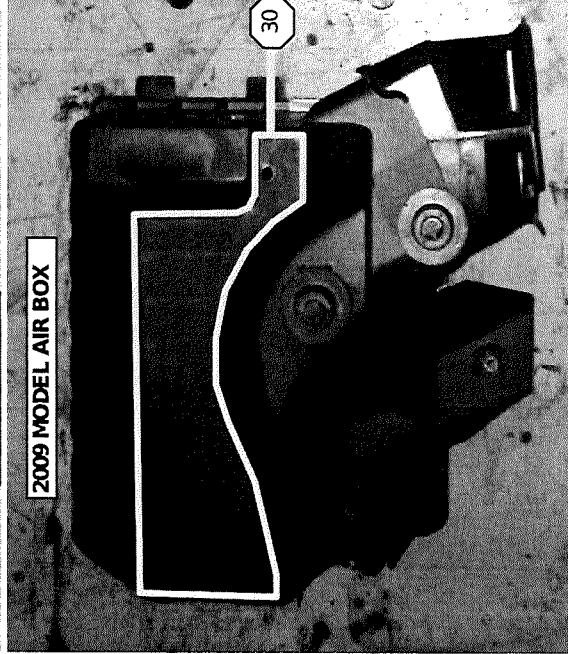
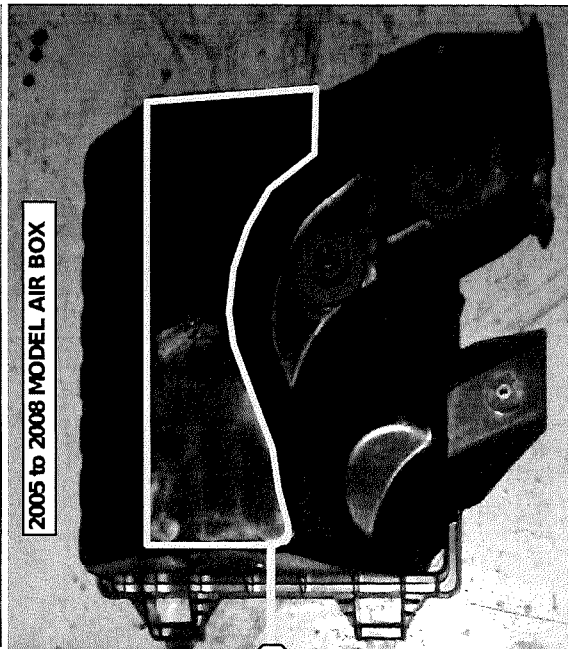
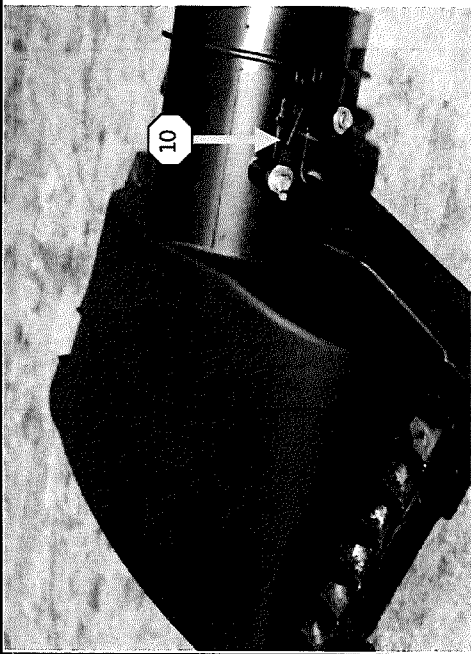
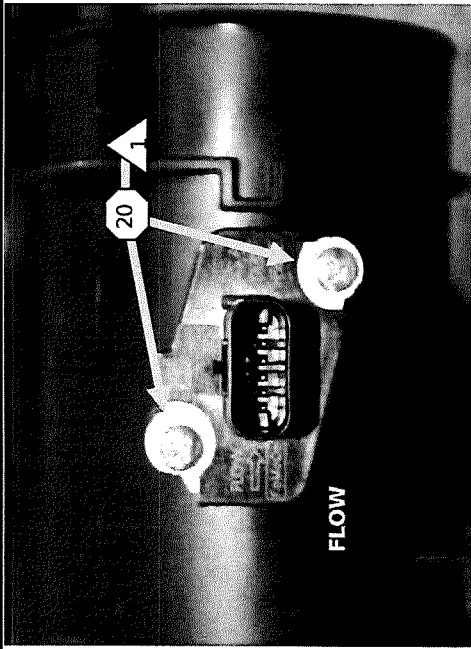
ITEM	PART NUMBER	QTY.	DESCRIPTION
A	00-1703-C07087*	3"	Heat Shrink, Dual Wall 1/2" Red
B	00-1704-C12521*	10.5"	Sleeving, Convoluted 3/8" Black

TORQUE

SALEEN SPEEDLAB	
PROCESS	PAGE
MODIFY ALTERNATOR HARNESS	
2009 VEHICLES	C
	36

NOTES:

TORQUE **ITEM** **OPERATION**



10

Retrieve the stock air box lid, and remove the MAF (Mass Air Flow) sensor from the neck of the lid with a T15 torx bit. It will be held in with two fasteners. Do not re-use the fasteners, two new ones are used.

20

Re-install the MAF (Mass Air Flow) sensor onto the new Saleen air box lid (A) with two screws (B) tightened to **18 Lb-in +/- 2.7 Lb-in**. Make sure the air flow arrow on the sensor is pointing towards the air inlet duct and motor.

30

With a reciprocating saw, cut and remove the bottom portion of the air box (flat portion). A pilot hole may need to be drilled in the bottom of the air box to create a starting point for the blade.

NOTICE: 2005 to 2008 vehicle air boxes are different than 2009. Refer to the photo for the correct cut-out for each box.

50

Smooth out the cut edges of the air box with an angle sander. If necessary, carefully remove any burrs with a razor blade.

ITEM PART NUMBER QTY. DESCRIPTION

A	06-1602-C13093	1	Air Box Cover S281
B	00-9001-C13829*	2	Machine Screw M4x0.7x6 Phil Zn Steel

TORQUE

1 18 +/- 2.7 Lb-in

SALEEN SPEEDLAB

PAGE

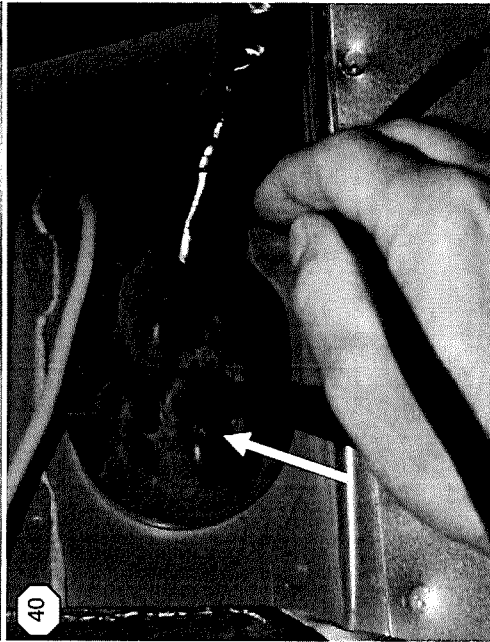
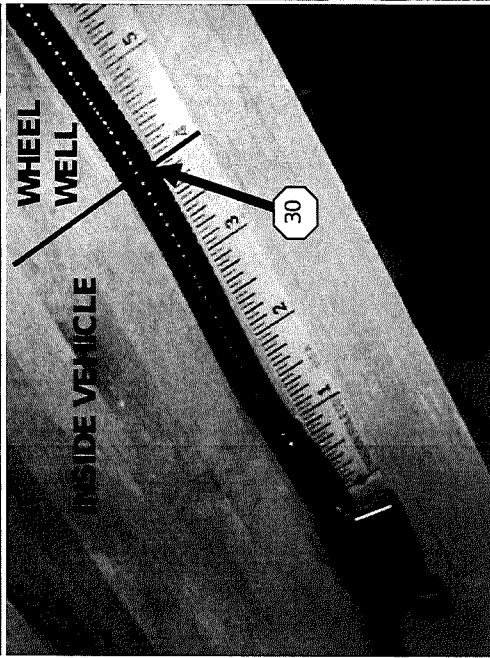
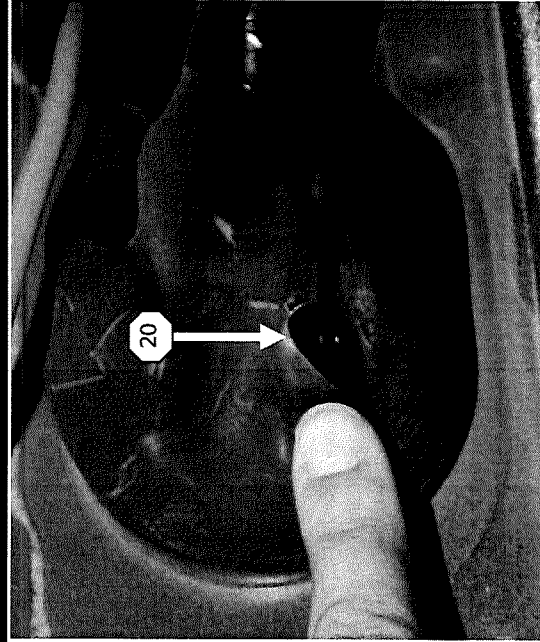
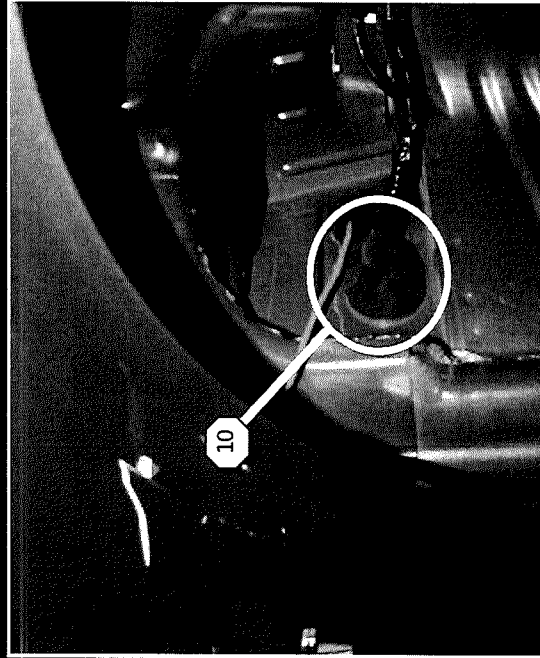
ASSEMBLE AIR BOX AND LID

NOTES:

TORQUE

ITEM

OPERATION



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Locate the passenger (RH) bulkhead grommet in the RH side wheel well.

Locate the nub protruding from the grommet. Remove the nub with side cutters.

Retrieve the water pump harness (A). Locate the fuse holder on the water pump harness. Measure 4" back from the edge of the fuse holder and mark that spot with a paint marker.

NOTICE: When marking the harness, mark the convoluted tubing side of the fuse holder (with the water pump connector on the end). Do not mark the exposed wire side (white w/ yellow stripe).

Feed the end of the harness that gets wired into the SJ B panel (exposed white w/ yellow stripe wire) through the bulkhead grommet. Stop feeding the harness into the vehicle once the paint mark is reached (**OPERATION 30**). The paint mark should be lined up with the outer edge of the grommet.

ITEM	PART NUMBER	QTY.	DESCRIPTION
A	06-1704-B16574	1	Harness, Mustang, Water Pump

TORQUE

SALEEN
SPEEDLAB

NOTES:

PROCESS

PAGE

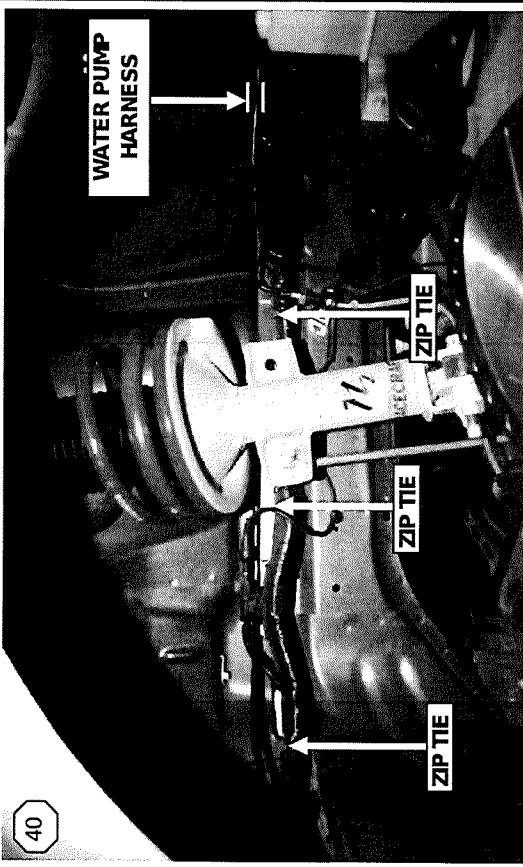
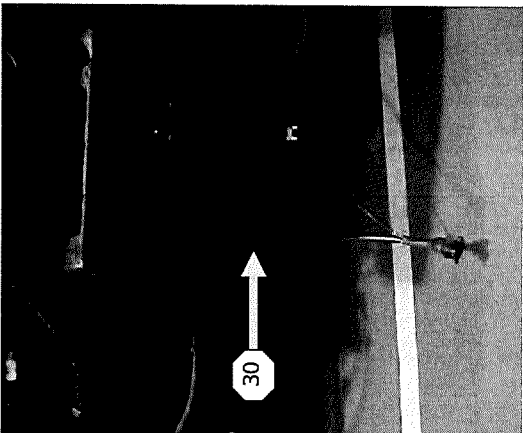
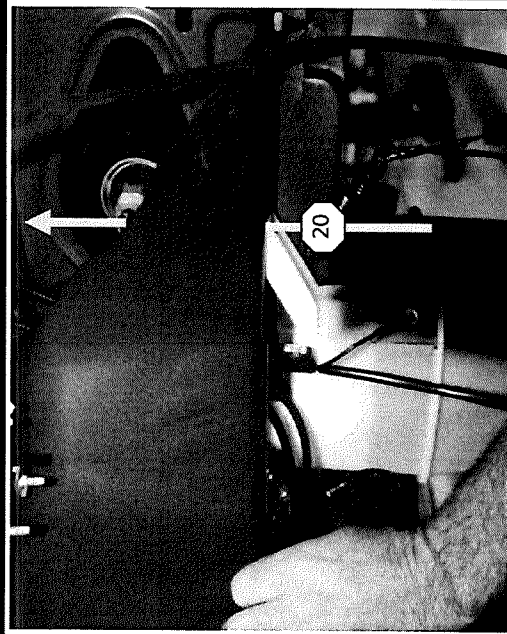
ROUTE WATER PUMP HARNESS

39

TORQUE

ITEM

OPERATION



10 Feed the water pump harness along the main harness in the passenger (RH) wheel well.

20 Feed the water pump harness between the top of the washer fluid bottle and bottom of the wheel well along the front edge.

30 Continue routing the water pump harness over the washer bottle to the front of the vehicle. It will get plugged into the pump and grounded at a later step.

50 Once it has been verified that the water pump harness is positioned correctly, tuck the harnesses behind the larger main harness. Use 3 zip ties (A) to fasten the Saleen harness to the existing main harness in the passenger side (RH) wheel well in the three designated locations.

ITEM	PART NUMBER	QTY.	DESCRIPTION
A	00-9007-C:10122*	3	7" Zip Tie

TORQUE

TORQUE	PROCESS	PAGE

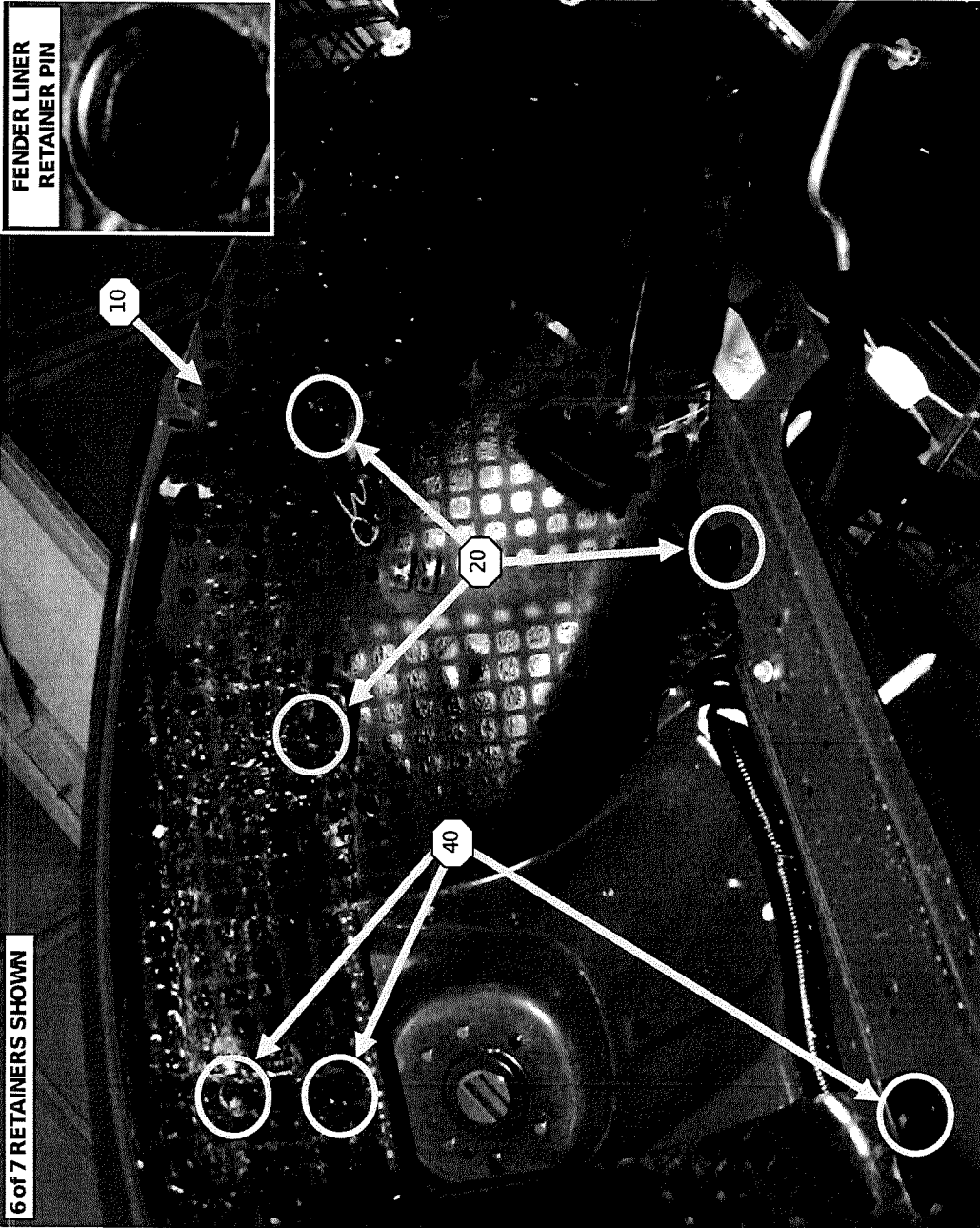
NOTES:

TORQUE

ITEM

OPERATION

6 of 7 RETAINERS SHOWN



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Set the front fender well liner into place at the front of the wheel well.

Line up the holes in the liner with the holes in the inner fender. Install 3 of the 7 retainer clips into the front liner to hold it into place.

Set the rear fender liner in place. To do so, feed the bottom of the liner behind the RH rocker cover. Next, overlap the front liner at the top of the fender well.

Line up the holes in the liner with the holes in the inner fender. Install 4 of the 7 retainer clips into the rear liner to hold it into place.

NOTICE: The 2 top retainers will be inserted into the rear liner and pass through the front liner before entering the fender.

ITEM PART NUMBER QTY. DESCRIPTION

ITEM	PART NUMBER	QTY.	DESCRIPTION

TORQUE

NOTES:

SALEEN SPEEDLAB

PAGE

INSTALL RH FRONT FENDER LINERS

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