



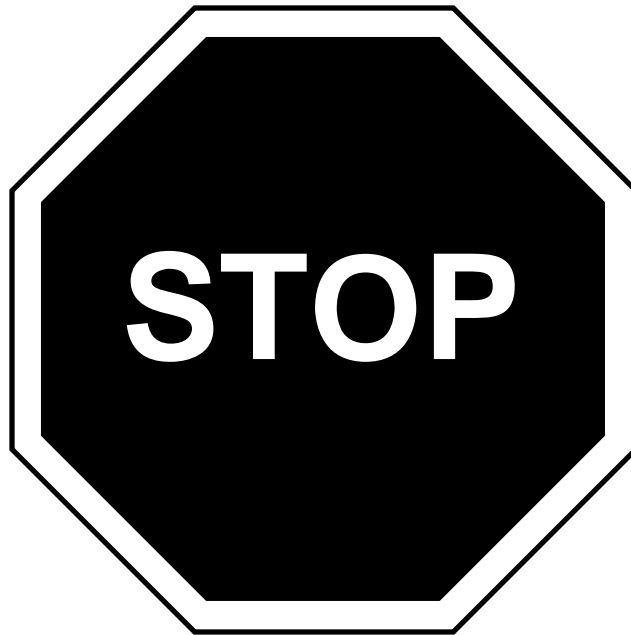
SALEEN SUPERCHARGER KIT INSTALLATION



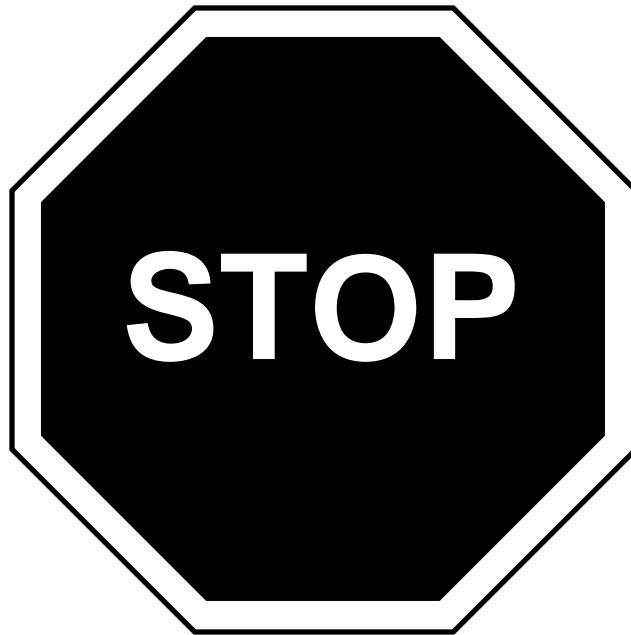
INSTALLATION MANUAL: Ford F-150 2005 – 2008 Model Years

P/N: 10-8002-C15611C

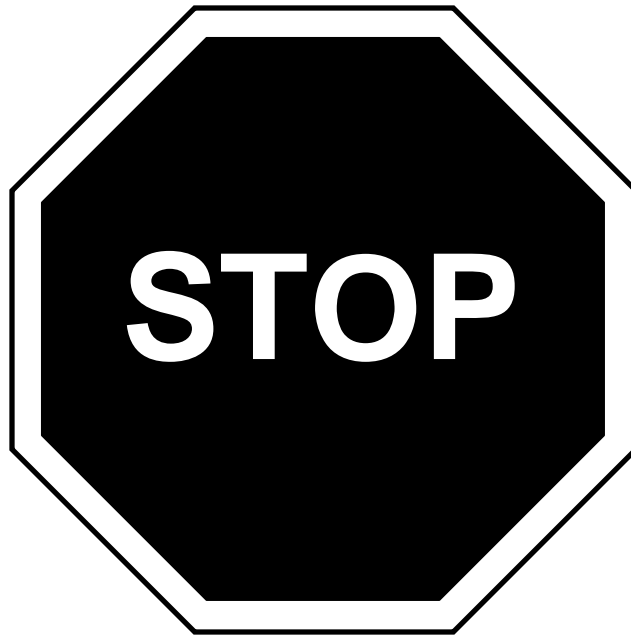
Saleen Performance inc. 1225 East Maple Rd. Troy, MI 48083
Phone# 1(248) 743-4800
www.saleen.com



DO NOT INSTALL ANY AFTERMARKET CHIPS, PROGRAMMERS, OR HAVE YOUR PCM REPROGRAMMED ANYWHERE BUT AT SALEEN FOR THIS SUPERCHARGER KIT. THE 2005 TO 2008 F-150 USES AN ELECTRONIC THROTTLE CONTROL (ETC), WHICH IS CONTROLLED BY THE POWERTRAIN CONTROL MODULE (PCM) AND THE CALIBRATION INSIDE. AFTERMARKET CHIPS DO NOT PROPERLY RECALIBRATE THE ENGINE MANAGEMENT SYSTEM. THIS CREATES A DANGEROUS SITUATION THAT COULD RESULT IN A STUCK THROTTLE AND CAN LEAD TO INJURY OR DEATH. SALEEN FULLY PROGRAMS THE PCM TO FORD STANDARDS, AND ENSURES THAT ALL ENGINE SAFETY CONTROLS ARE FULLY FUNCTIONAL.



THE SALEEN SERIES VI SUPERCHARGER AND ACCOMPANYING PROGRAMMING ARE DESIGNED AROUND THE USE OF 91 OCTANE FUEL OR HIGHER ONLY. BEFORE YOU RUN YOUR F-150 WITH THE SERIES VI KIT INSTALLED EVEN ONCE, YOU MUST EITHER DRAIN THE FUEL TANK COMPLETELY AND FILL IT UP WITH 91 OCTANE OR HIGHER, OR BEGIN USING 91 OCTANE OR HIGHER IN YOUR F-150 TWO COMPLETE FILLUPS BEFORE INSTALLATION.



**IF YOU ARE NOT EXPERIENCED IN THE AREA
OF AUTOMOTIVE MECHANICS, WE
STRONGLY URGE THAT YOU REFER THIS
INSTALLATION TO A CERTIFIED INSTALLER
OR TECHNICIAN.**



Table of Contents

A = (2005 & 2006 Models Only)

B = (2007 Models & Up Only)

I. Table of Contents	Pg. I & II
II. Precautions (PLEASE READ CAREFULLY)	Pg. III
III. Introduction	Pg. IV
IV. Requirements	
1. Tool List	Pg. V
2. Parts List	Pg. VI & VIII
V. Installation Instructions	
1. Tear Down (Prep.)	
Battery Removal	Pg. 1
PCM Removal	Pg. 2-1 & 2-2
Radiator Support Cover Removal	Pg. 3
Headlamp Removal	Pg. 4
Re-Route LH Headlamp Wire Harness	Pg. 5
Engine Coolant Removal	Pg. 6
Air Inlet Tube (Zip Tube) Removal	Pg. 7
Air Inlet Tube Support Bracket Removal	Pg. 8
Air Box & Filter Removal	Pg. 9-1 & 9-2
Upper Radiator Hose Removal	Pg. 10
A Loosen Mechanical Fan (2005 & 2006 Models Only)	Pg. 11-A
B Loosen Mechanical Fan (2007 Models & Up Only)	Pg. 11-B
Fan & Shroud Removal	Pg. 12
Radiator Closeout Removal	Pg. 13
B Water Pump Replacement (2007 Models & Up Only)	Pg. 14B
Alternator & Serpentine Belt Removal	Pg. 15
Intake Manifold, Water Crossover, & Throttle Body Removal	Pg. 16-1 to 16-5
2. Installation of Components	
A Electric Fan Installation (2005 & 2006 Models Only)	Pg. 17-1A to 17-3A
B Mechanical Fan & Shroud Installation (2007 Models & Up Only)	Pg. 17-1B to 17-3B
Hood Pull Cable Re-Routing	Pg. 18
Lower Zip Tube Installation	Pg. 19
A Water Pump & Fan Harness Installation (2005 & 2006 Models Only)	Pg. 20-1A to 20-12A
B Water Pump Harness Installation (2007 Models & Up Only)	Pg. 20-1B to 20-3A
Recovery Tank Bracket Drilling	Pg. 21
Recovery Tank Bracket Installation	Pg. 22
TMAP Extension Wiring	Pg. 23-1 & 23-2
Spark Plug Replacement	Pg. 24
Heat Exchanger Installation	Pg. 25-1 & 25-2
Intercooler Water Pump Installation	Pg. 26
Radiator Closeout Modification & Installation	Pg. 27-1 & 25-2

2. Installation of Components (Continued)

Recovery Tank & Hoses Installation	Pg. 28-1 & 28-2
Air Inlet Tube (Zip Tube) Bracket Re-Installation	Pg. 29
Alternator Mounting Bracket Installation	Pg. 30-1 & 30-2
Port Inspection	Pg. 31
Fuel Injector and Supercharger Installation	Pg. 32-1 & 32-2
Vacuum & EVAP Hoses	Pg. 33
Water Crossover Installation	Pg. 34
Fuel Rail Installation	Pg. 35
Hose Connections	Pg. 36
Alternator Installation	Pg. 37
Serpentine Belt Installation	Pg. 38
Upper Radiator Hose Installation	Pg. 39
Air Box, Filter, & Throttle Body Installation	Pg. 40
Upper Zip Tube Installation	Pg. 41
Headlamp Re-Installation	Pg. 42
A Radiator Support Cover Re-Installation (2005 & 2006 Models Only)	Pg. 43A
B Radiator Support Cover Re-Installation (2007 Models & Up Only)	Pg. 43B
Programmed PCM Installation	Pg. 44
A Battery Re-Installation (2005 & 2006 Models Only)	Pg. 45A
B Battery Re-Installation (2007 Models & Up Only)	Pg. 45B
Coolant Fill	Pg. 46-1 & 46-2
Plaque & Decal Installation	Pg. 47-1 & 47-2

VI. Post Installation

1. Quality Checklist	Pg. 48
----------------------	--------

2. Test Procedures

A Cooling Fans & Harn. Test Procedure (2005 & 2006 Models Only)	Pg. 49
--	--------

VII. Templates

1. Intercooler Recovery Tank Bracket Template	Pg. 50
---	--------

2. Radiator Closeout Templates

LH Radiator Closeout Template	Pg. 51
RH Radiator Closeout Template	Pg. 52



Pre-Installation Precautions:

To help ensure the proper operation of your vehicle, follow the guidelines below:



IF YOU ARE NOT EXPERIENCED in the area of automotive mechanics, we strongly urge that you refer this installation to a certified installer or technician.

PAY ATTENTION TO MODEL YEAR NOTATION because there are many different installation steps in this manual that differ based on model year. There are also different components installed depending on model year and installed factory equipment. There will be clear markings at the lower RH corner of the page (**A or B designation**) along with the **model year in parenthesis under the “process name”**. Taking the time to read these instructions and following the notes will ensure a smooth, easy, and successful installation.

DO NOT INSTALL ANY AFTERMARKET CHIPS OR PROGRAMMERS, or have your PCM reprogrammed anywhere but at Saleen for the supercharger kit. The 2005 to 2008 F-150 use an electronic throttle control (ETC), which is controlled by the PCM and the calibration inside. Aftermarket chips do not properly recalibrate the engine management system. This creates a dangerous situation that could lead to **injury or death**. Saleen fully programs the PCM to **Ford standards**, and ensures that all engine safety controls are fully functional.

SERIES VI SUPERCHARGER REQUIRES 91 OCTANE FUEL OR HIGHER. The supercharger and accompanying programming is designed around the use of **91-octane fuel or higher ONLY**. Before you run your F-150 with the series VI kit installed even **ONCE**, you **MUST** either drain the fuel tank completely and fill it up with 91 octane or higher, or begin using 91 octane or higher in your F-150 **two complete fill ups before installation**.

Safety Precautions:

To help guarantee your safety, please follow the guidelines listed below:



NO SMOKING, FLAMES, OR SPARKS around the battery or fuel system. Batteries can give off fumes that are flammable and may ignite if there is any form of spark or open flame near it. The same is true for the fuel system. This installation requires the technician to disassemble and reassemble the fuel system exposing fuel vapors to the technician. Make sure any spilled fuel is cleaned up immediately to reduce the risk of a fire.



WEAR THE APPROPRIATE SAFETY GEAR such as safety glasses and gloves during the vehicle tear down and installation of new components. Always follow the safety instructions that come with the tools you are using.



USE CAUTION AROUND VEHICLE when working on it. Make sure the vehicle is turned **OFF**, is properly secured (in park with the parking brake on), and is sitting on a level surface. Avoid wearing loose clothing or jewelry, as these items might get caught in moving parts resulting in injury. When instructed to operate your vehicle, make sure you do so in a well-ventilated area. Failure to do so may result in carbon monoxide poisoning.

Be safe and use proper care and precautions. Saleen wants you to have a safe and rewarding experience.



Supercharger Kit Installation Guide for 2005 to 2008 F-150

WELCOME!

Thank you for buying a Supercharger Kit for the 2005 to 2008 F-150. We appreciate your business, and we hope you enjoy your product.

For your benefit, please read the following instructions completely and thoroughly before attempting to install a Supercharger Kit. Many questions we have received from customers about the installation of our products could have been easily solved by information listed in this installation guide. We want you to enjoy the product in its fully functional state, and reading this tutorial is a great first step to getting you on your way to a more unique and better performing F-150.

IMPORTANT! IF YOU HAVE ANY AFTERMARKET PARTS ALREADY INSTALLED ON YOUR F-150, OR IF YOU OWN A SALEEN S331 NORMALLY ASPIRATED TRUCK, YOU MUST RETURN THE TRUCK TO STOCK FORD F-150 STATUS. THIS INCLUDES PULLEYS, CHIPS, PROGRAMMERS, ETC. THE TRUCK WILL NOT FUNCTION AND PARTS MAY NOT FIT PROPERLY IF OTHER AFTERMARKET PARTS ARE INSTALLED.

Also, we strongly urge that you have at least one person to help you install the supercharger assembly, as the unit is heavy. With enough help and at least one read through of this installation guide under your belt before you begin your installation, you should be well on your way to one hot F-150!

IMPORTANT! BE SURE THAT YOU FILL OUT THE PROCESSOR QUESTIONNAIRE (LOCATED ON PAGE 2-2) AND RETURN IT TO SALEEN WITH YOUR PCM! WE CANNOT FLASH YOUR PCM WITHOUT THAT QUESTIONNAIRE!

Again, thank you for choosing Saleen!



TOOLS REQUIRED FOR KIT INSTALLATION:

A = (2005 & 2006 Models Only)

B = (2007 Models & Up Only)

1/2" - Drive Breaker Bar	10mm Box-End Wrench
3/8" - Drive Torque Wrench (Lb-ft & Lb-in)	Straight Blade Screwdriver (Medium Size)
3/8" - Drive Ratchet	Philips Screwdriver (Medium Size)
3/8" - Drive, 6" Extension	Large Pry Bar
8mm Socket (3/8" - Drive)	Small Pry Tool (For Clip Removal)
10mm Deep Socket (3/8" - Drive)	Large Crescent Wrench (Up to 1.5")
12mm Deep Socket (3/8" - Drive)	Pliers (Medium Sized)
13mm Deep Socket (3/8" - Drive)	Wire Stripper / Crimper
15mm Deep Socket (3/8" - Drive)	Drill Motor
18mm Deep Socket (3/8" - Drive)	90 Degree Head Drill Motor
19mm Socket (3/8" - Drive)	2 Gallon Bucket
1/4" - Drive Ratchet	Adjustable Wrench
1/4" - Drive, 10" Extension	Panel Puller
1/4" - Drive, 3" Extension	Hose Clamp Pliers
8mm Socket (1/4" - Drive)	Ford Fuel Line Disconnect Tool
10mm Socket (1/4" - Drive)	Lighter (For Heat Shrink)
10mm Swivel Socket (1/4" - Drive)	Hole Saw (35mm Dia.)
12mm Socket (1/4" - Drive)	Drill 3/8" 1/16" 5/16" 17/32"
90 Degree Pick	.375" .136" 21/64"
Rivnut Gun	A Ford Motor Co., Holding Tool, Part# T84T-6312-C
Angle Cutters	A Ford Motor Co., Hub-Nut Tool, Part# T84T-6312-D
Coolant System Pressure Tool	B Schley Prod. Inc. Fan Clutch Wrench, Part# 61600
Razor Blade	B Schley Prod. Inc. Spanner Wrench 48mm, Part# 95210

NOTE: If you do not have any of the tools listed above, you may be able to obtain them from your local tool lending service

MATERIALS REQUIRED FOR KIT INSTALLATION:

Red Loctite #262	Silicone Grease (For Fuel Injector O-Rings)
Electrical Tape	3M Body Schutz
Dow Corning Black Silicone #732	Automotive Adhesion Promoter For VHB Tape
Anti-Seize (For spark plugs)	



PARTS INCLUDED IN SUPERCHARGER KIT:

A = (2005 & 2006 Models Only)

B = (2007 Models & Up Only)

10-8003-B14834*	SUPERCHARGER KIT, SER VI, 2007 S331, F-150/MARK LT	1 EACH
08-1607-B14553*	SUPERCHARGER ASSEMBLY, S331	1 EACH
00-1607-C14616*	INTAKE MANIFOLD GASKET	8 EACH
00-9001-C10141*	CAPSCRW HEX FLNG M6x1.0x25mm FULL THRD	8 EACH
08-2002-B14554*	WATER PUMP KIT, S331	1 EACH
00-2002-C09991*	INTERCOOLER WATER PUMP, '05 S281	1 EACH
00-9001-C10064*	CAPSCRW HEX FLNG M8x1.25x20mm	1 EACH
08-2002-C14537A	BRACKET, WATER PUMP, S331	1 EACH
069-700	4" ZIP TIE	2 EACH
00-9007-C15326*	8.3" ZIP TIE TREE PUSH MOUNT	1 EACH
08-1704-B15126E	HARNESS, S331 WATER PUMP	1 EACH
A 00-1704-C09262*	16 GAUGE, SEAMLESS BUTT CONNECTOR, NON-INSULATED	3 EACH
A 00-1703-C07082*	HEAT SHRINK, DUAL WALL 1/4" BLACK	5 INCH
B 00-1704-C09262*	16 GAUGE, SEAMLESS BUTT CONNECTOR, NON-INSULATED	1 EACH
B 00-1703-C07082*	HEAT SHRINK, DUAL WALL 1/4" BLACK	1.75 INCH
08-2001-B14555*	HEAT EXCHANGER KIT, S331	1 EACH
069-955	M8x1.25x90mm HEX HEAD FLANGE CL 8.8 PART THRD 30mm	1 EACH
00-9001-C10141*	CAPSCRW HEX FLNG M6x1.0x25mm FULL THRD	4 EACH
08-2001-C14396B	HEAT EXCHANGER, S331	1 EACH
00-9003-C15727*	NUT M8x1.25 DISTORTED THRD	1 EACH
178-534	WASHER, M8	1 EACH
08-2001-B14556*	RECOVERY TANK KIT, S331	1 EACH
00-2001-C09994*	CAP, INTERCOOLER RECOVERY TANK	1 EACH
06-2001-C10212F	INTERCOOLER RECOVERY TANK	1 EACH
00-9001-C10141*	CAPSCRW HEX FLNG M6x1.0x25mm FULL THRD	5 EACH
08-2001-C14394B	BRACKET, INTERCOOLER TANK, S331	1 EACH
00-9006-C14542*	RIVET NUT M6x1.0 ZINC-PLATED	2 EACH
08-2003-B14557*	HOSE KIT S/C, S331	1 EACH
08-2003-C14390B	HOSE, INTERCOOLER TO TANK, S331	1 EACH
08-2003-C14391B	HOSE, TANK TO I/C WATER PUMP, S331	1 EACH
08-2003-C14392B	HOSE, I/C WATER PUMP TO HEAT EXCHANGER, S331	1 EACH
08-2003-C14393B	HOSE, HEAT EXCHANGER TO INTERCOOLER, S331	1 EACH
00-2003-C10068*	HOSE CLAMP MOLDED HOSES S/C	8 EACH
08-1604-B14558*	ALTERNATOR MOUNTING KIT, S331	1 EACH
08-1604-C14255D	ALTERNATOR MOUNT MACHINED, S331	1 EACH
00-9002-C11089*	STUD ST BLCK OX M8x1.25x110mm UNEQUAL 31mm & 12mm	1 EACH
00-9001-C11090*	STUD ST BLCK OX M8x1.25x65mm, 20mm THRD LENGTH	1 EACH
00-9001-C11091*	STUD ST BLCK OX M8x1.25x110mm	1 EACH
00-9001-C10665*	CAPSCRW HEX FLNG M8x1.25x40mm	2 EACH
00-9003-C15727*	NUT M8x1.25 DISTORTED THRD	3 EACH
00-9004-C15732*	WASHER AN SS 5/16" ALTERNATOR MOUNT	3 EACH
08-9004-C15801A	SPACER, .196" THICK, .35" ID, .75" OD	1 EACH



PARTS INCLUDED IN SUPERCHARGER KIT (CONT'D):

A = (2005 & 2006 Models Only)

B = (2007 Models & Up Only)

08-2003-B14559*		WATER CROSSOVER KIT, S331	1	EACH
	08-2003-C14284A	WATER CROSSOVER MACHINED, S331	1	EACH
	08-2003-C14282B	THERMOSTAT HOUSING MACHINED, S331	1	EACH
	00-9001-C15486*	CAPSCRW HEX FLNG M6x1.0mm, 20mm PART THRD	2	EACH
	00-9004-C00296*	WASHER FLAT M6 ST	4	EACH
	00-9001-C15587*	CAPSCRW HEX HEAD M6x1.0x60mm, STEEL, ZINC PLATED	4	EACH
08-1607-B14561*		ZIP TUBE KIT, S331	1	EACH
	08-1602-C14546A	ZIP TUBE, UPPER	1	EACH
	08-1602-C14547B	ZIP TUBE, LOWER	1	EACH
	00-1602-C14548*	ZIP TUBE, BELLOW	1	EACH
	08-1602-C15219B	BRACKET, ZIP TUBE LOWER	1	EACH
	073-709	HOSE CLAMP #56 3-1/16"x4"	2	EACH
	00-9001-C10141*	CAPSCRW HEX FLNG M6x1.0x25mm FULL THRD	2	EACH
	00-9004-C15181*	WASHER, ROUND HOLE, M6 ZINC PLATED, 6.4mm, 18mm OD.	1	EACH
	00-9004-C05474*	GROMMET, AIR BOX, 99-02 MUSTANG	1	EACH
	N/A	J-CLIP	1	EACH
08-1704-B15501C		HARNESS, S331 TMAP SENSOR EXTENSION	1	EACH
	00-1704-C09260*	18 GAUGE, SEAMLESS BUTT CONNECTOR, NON-INSULATED	2	EACH
	00-1704-C09262*	16 GAUGE, SEAMLESS BUTT CONNECTOR, NON-INSULATED	1	EACH
	00-1703-C07082*	HEAT SHRINK, DUAL WALL 1/4" BLACK	3.75	INCH
	06-3001-B12429D	7" ZIP TIE	1	EACH
A	08-2001-B14560*	ELECTRIC FAN KIT, S331 SC (2005 & 2006)	1	EACH
A	08-1704-C15120C	RELAY ASSEMBLY, S331 IGNITION STARTED	1	EACH
A	00-9011-C06817*	SCREW #8-1/2 PHIL FLAT HD WSHR BLACK	4	EACH
A	069-700	4" ZIP TIE	7	EACH
A	06-3001-B12429D	7" ZIP TIE	6	EACH
A	08-1704-C14979B	HARNESS, S331 DUAL FAN	1	EACH
A	08-1704-B16152	LOW SPEED HARNESS RELAY	1	EACH
A	00-1702-C15230*	TEMP SENSOR, ELECTRIC FANS, S331	1	EACH
A	00-1703-C14982*	2 BLADE 630 SERIES METRI-PACK CONNECTOR	2	EACH
A	00-1703-C14986*	630 SERIES 12 AWG BLADE TERMINAL	4	EACH
A	00-1703-C14987*	630 SERIES METRI-PACK GRAY 2 TERM. CON. CABLE SEAL	2	EACH
A	00-2001-C14544*	FANS, DERALE DUAL 13"	1	EACH
A	08-2001-C14387A	BRACKET, ELECTRIC FAN, DRIVER SIDE, S331	1	EACH
A	08-2001-C14388A	BRACKET, ELECTRIC FAN, PASSENGER SIDE, S331	1	EACH
A	00-1704-C09041*	HEAT SHRINK, DUAL WALL 3/8" BLACK	2	INCH
A	00-9004-C00296*	WASHER FLAT M6 ST	16	EACH
A	00-9001-C14684*	CAPSCRW, HEX HEAD, M6, 25mm LONG, STEEL, ZINC PLATED	8	EACH
A	00-9003-C14411*	NUT, HEX HEAD, NYLOCK, M6, STEEL, ZINC PLATED	12	EACH
A	08-2001-C14389A	BRACKET, ELECTRIC FAN, UPPER & LOWER, S331	2	EACH
A	00-9004-C15181*	WASHER, ROUND HOLE, M6 6.4mm, 18mm OD, 1.4 mm THK	4	EACH
A	00-1704-C09262*	16 GAUGE, SEAMLESS BUTT CONNECTOR, NON-INSULATED	1	EACH
A	00-1703-C07082*	HEAT SHRINK, DUAL WALL 1/4" BLACK	1.25	INCH

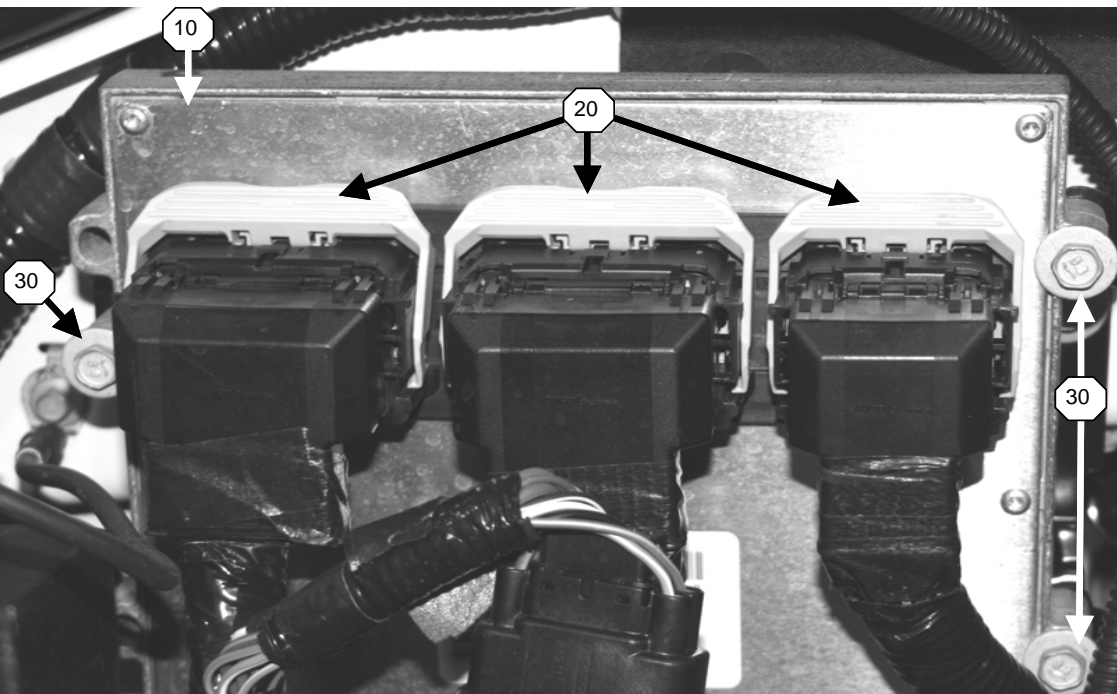


PARTS INCLUDED IN SUPERCHARGER KIT (CONT'D):

A = (2005 & 2006 Models Only)

B = (2007 Models & Up Only)

B	08-2001-B16381*	MECHANICAL FAN KIT, S331 SC (2007 & 2008)	1	EACH
B	08-1604-C16177A	SPACER, FAN, 2007 S331	1	EACH
B	00-9001-C16490*	CAPSCRW, SOCKET HEAD, M6-1.0x100mm, CLASS 12.9, ZN	4	EACH
B	00-9004-C00296*	WASHER FLAT M6 ST	4	EACH
B	08-2001-C16474A	SHROUD, MECHANICAL FAN, 2007 S331, MODIFIED	1	EACH
B	00-2002-C16432*	WATER PUMP, CAST IRON, 2007 S331	1	EACH
	06-3001-B12429D	7" ZIP TIE	2	EACH
	08-1206-C14570A	BADGE, AIR BOX, S331	1	EACH
	00-9006-C15520*	DOUBLE SIDED TAPE 3M VHB .040 THK 1/2 WIDE CLR	18	INCH
	00-9006-C15620*	AUTOMOTIVE ADHESION PROMOTER FOR VHB TAPE	1	EACH
	08-9101-C15674A	LABEL, BELT DIAGRAM	1	EACH
	08-9101-C14810D	LABEL, VECI (VEHICLE EMISSION CONTROL INFORMATION)	1	EACH
	06-9101-C17108A	LABEL, OIL FILLER CAP	1	EACH
	06-9101-B09867B	LABEL, AIR FILTER STOP SIGN	1	EACH
	06-9101-C10151A	LABEL, PREMIUM FUEL ONLY	1	EACH
	00-1604-C14814*	GOODYEAR GATERBACK 113.0" 6 RIB BELT	1	EACH
	00-9010-C07181*	3/8" VACUUM HOSE	20	INCH
	00-1602-C14070*	AIR FILTER S331 GREEN	1	EACH
	00-1601-C13394*	SPARK PLUG, HTO	8	EACH
	178-428	ALTERNATOR IDLER PULLEY, 76mm	1	EACH
	08-3103-C15143B	TEMPLATE, INTERCOOLER RECOVERY TANK BRACKET	1	EACH
	N/A	TEMPLATE, RADIATOR CLOSEOUT (LH)	1	EACH
	N/A	TEMPLATE, RADIATOR CLOSEOUT (RH)	1	EACH
	10-8003-C12466A	STICKER, PCM BOX	1	EACH
	10-8003-C12239A	(BOX) PCM	1	EACH



- If you have any issues, please call our front desk at **(248) 743-4800** and ask for the technical assistance hotline.

2-1

TODAYS DATE: / /



PROCESSOR QUESTIONNAIRE

2005 - 2008 F150 S331 S/C or NA & SALEEN HARLEY S/C

SHIP TO ADDRESS FOR PCM (PLEASE NO P.O. BOXES)

CONTACT NAME:				DEALER NAME:			
SHIPPING ADDRESS:				PHONE NUMBER:			
CITY:		STATE:		ZIP:		EMAIL:	
CUSTOMERS NAME:				TECH SUPPORT (IF ONE WAS GIVEN)			
SALEEN REPORT#:							
VIN:							
VEHICLE YEAR:		VEHICLE MODEL:		VEHICLE BUMPER#:		VEHICLE MILEAGE:	
TIRE MANUFACTURER:				REAR TIRE SIZE:			
DRIVETRAIN: 2WD <input type="checkbox"/> 4WD <input type="checkbox"/> AWD <input type="checkbox"/>				ENGINE SIZE:		DIFFERENTIAL GEAR RATIO: <small>(please look at vehicle)</small>	
CAB CONFIGURATION:		SUPER <input type="checkbox"/> CREW <input type="checkbox"/>		VEHICLE MAKE:		HARLEY <input type="checkbox"/> OR S331 <input type="checkbox"/> S/C <input type="checkbox"/> 3V NA <input type="checkbox"/>	
MANUAL CLIMATE CONTROL: <input type="checkbox"/>		AUTOMATIC CLIMATE CONTROL: <input type="checkbox"/>		ELECTRIC COOLING FANS:		TRACTION CONTROL:	
				Y <input type="checkbox"/> N <input type="checkbox"/>		Y <input type="checkbox"/> N <input type="checkbox"/>	

OTHER MODIFICATION / AFTERMARKET PARTS INSTALLED - NON SALEEN

e.g. HEADERS, INTAKES, AIR OR FUEL MANAGEMENT, EXHAUST, OTHER CAL. 'TUNERS'

PLEASE LIST ALL ITEMS:

REASON FOR PROGRAMMING --- DO NOT LEAVE BLANK

PLEASE EXPLAIN:

SHIP PCM TO >	SALEEN - PCM PROGRAMMING 1225 E. MAPLE RD TROY, MI 48083	SALEEN USE ONLY		SHIP (N) (G)	TAG
		REC _____	OLD _____		
"SEND PCM"		SENT _____	NEW _____		

CONTACT NUMBERS: **DIRECT: 1.800.888.8945 ext 36241** **FAX: 1.248.743.6479**

9/22/2008

**** PLEASE INCLUDE THIS WITH THE PCM YOU ARE SHIPPING ****



A black, rectangular, low-profile storage box or container, likely for a vehicle, shown from a top-down perspective. The box has a label on the front with technical specifications and a small latch mechanism.

[illegible]



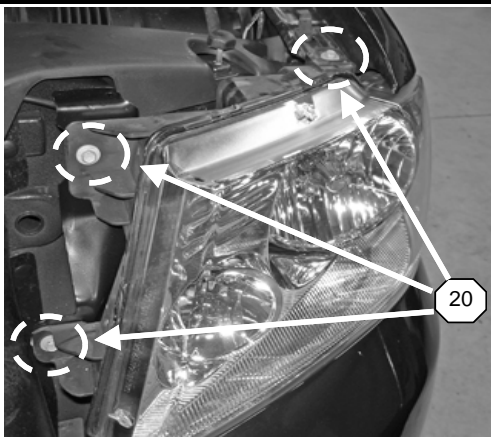
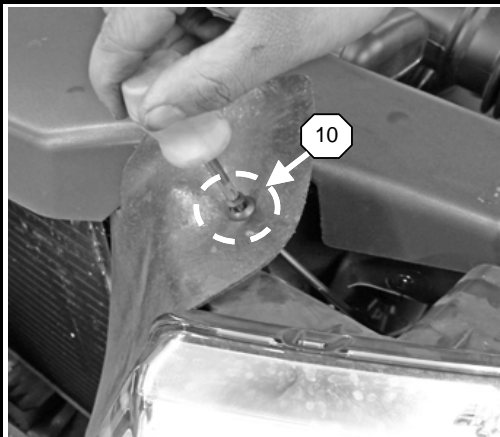
TORQUE

?

ITEM NUMBER



OPERATION



10

Undo two Clips (1 per side) with a philips screw driver and remove (save clips).

20

Remove six head light mounting bolts (3 per side) and save for re-installation.

30

Lift UP the locking clip and pull straight out to remove the headlamp assembly LH, and RH.

40

Disconnect the headlamp connectors.

50

Set headlamps aside.



ITEM	PART NUMBER	QTY.	DESCRIPTION

Notes:

TORQUE

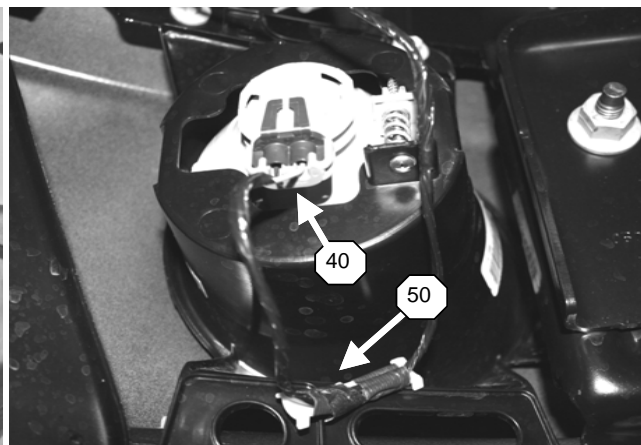


SALEEN

PROCESS NAME

REMOVE HEADLAMPS

PAGE



10	Disconnect the fog lamp harness connector from the LH fog lamp assembly and remove wire harness tree clip. (If Equipped) .
20	Remove the LH side headlamp harness Christmas tree from the core support.
30	Re-route the LH side headlamp harness through the core support opening just below where it currently is routed.
40	Re-connect the fog lamp wire harness connector to the fog lamp (If Equipped) .
50	Attach the fog lamp wire harness to the vehicle underneath the lamp assembly by pushing in one tree clip (If Equipped) .



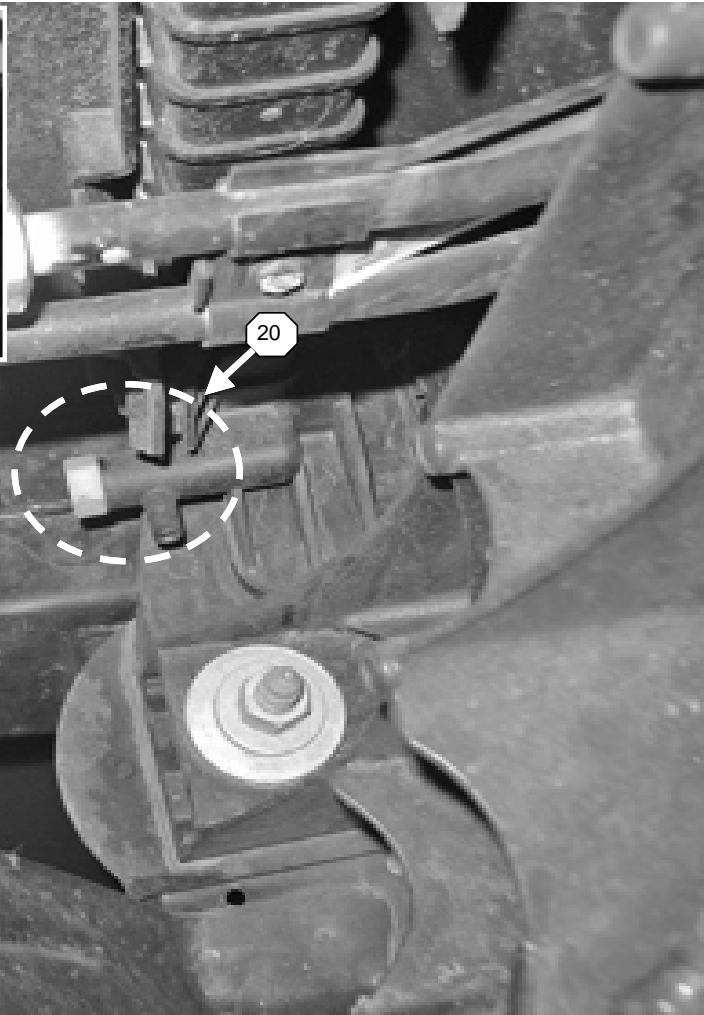
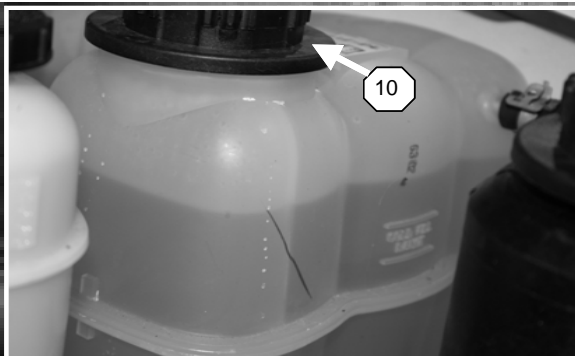
TORQUE

?

ITEM NUMBER



OPERATION



10


Remove the coolant reservoir cap.

20

Drain the engine coolant from the passenger side lower radiator drain valve.

30

Re-install the coolant reservoir cap and tighten the drain valve once done.

ITEM	PART NUMBER	QTY.	DESCRIPTION
TORQUE		 SALEEN	
		PROCESS NAME	PAGE
		REMOVE ENGINE COOLANT	6

Notes:



?

ITEM NUMBER



TP060094



TF050093a

Notes:



Release the two clips on the front of the airbox and remove the stock tray and air filter. The tray will be re-used with a new filter installed.



Remove one bolt that is holding the stock air inlet (zip) tube in place. Keep the bolt and grommet, it will be used for the new air inlet (zip) tube.



Remove stock air inlet (zip) tube.

[illegible]



3



?

ITEM NUMBER



Notes:

10

5. Disconnect the air sensor connector.

20

Disconnect the EVAP purge hose located above the throttle position switch.

30

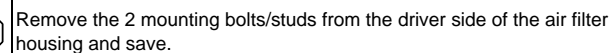
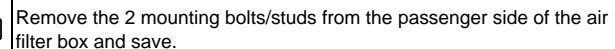
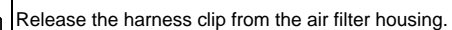
Disconnect the Throttle Position Switch (TPS) connector.

[illegible]

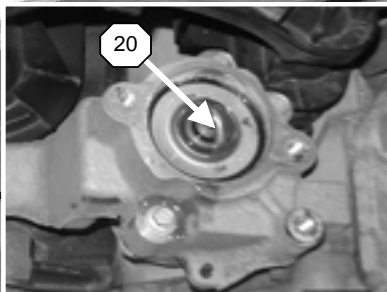


?

ITEM NUMBER

[illegible]

Notes:



- [illegible]



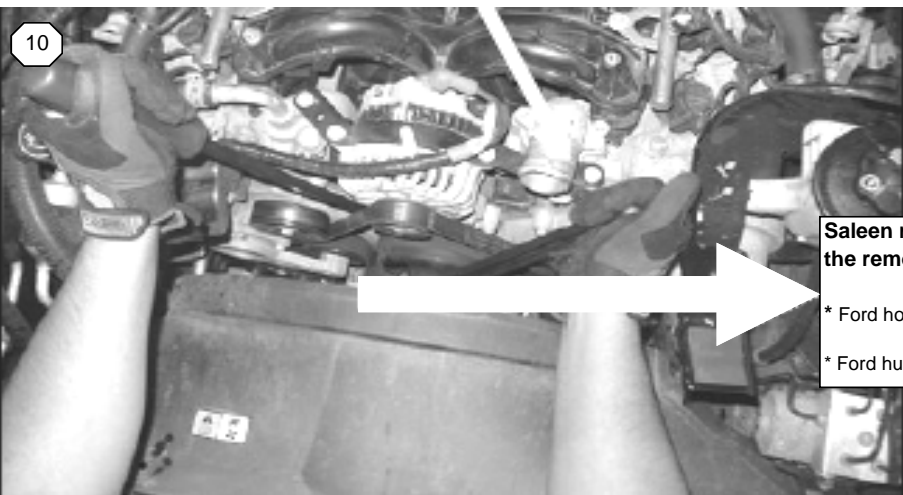
TORQUE

?

ITEM NUMBER



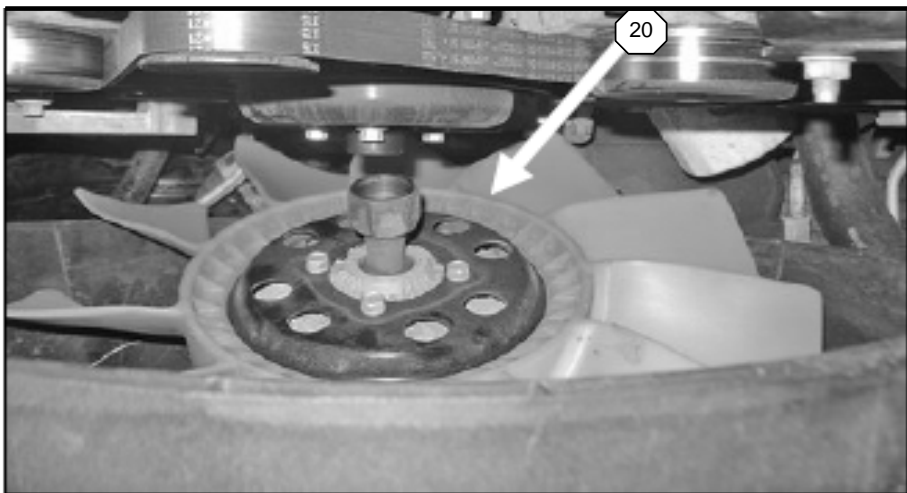
OPERATION



Saleen recommends the following tools for the removal of the mechanical fan:

* Ford holding tool: T84T-6312-C

* Ford hub-nut tool: T84T-6312-D




10

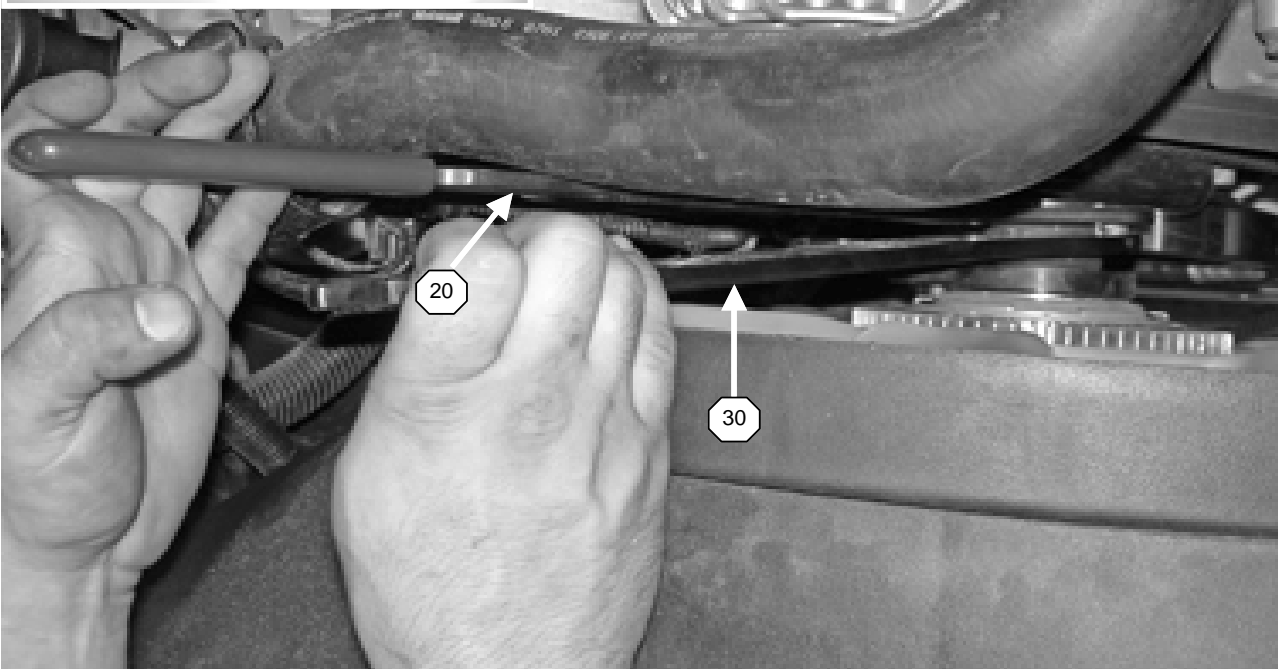
Hold pressure against the water pump pulley (using Ford tool T84T-6312-C or leveraging against the water pump bolts with a 1/2" pry bar) and loosen the cooling fan hub nut with Ford tool T84T-6312-D or a large cresant wrench.

20

Remove the cooling fan from the water pump pulley.

ITEM	PART NUMBER	QTY.	DESCRIPTION
TORQUE		 SALEEN	
		PROCESS NAME	PAGE
		LOOSEN MECHANICAL FAN ('05 & '06 MODELS)	<div>A</div> <div>11</div>

Notes:



- | | |
|----|--|
| 10 | Disconnect the fan clutch harness connector. |
| 20 | While holding the water pump steady, place a 48mm Spanner wrench on the fan hub nut. |
| 30 | Remove the fan hub nut (counter-clockwise) from the water pump pulley. |

***Saleen recommends using the following tools for this process.**

Schley Product Inc. Fan Clutch Wrench, Part #61600

Schley Product Inc. Spanner Wrench 48mm, Part #95210



?

ITEM NUMBER



10

Remove the 2 bolts securing the fan shroud (1 per side). Save the bolts, they will be re-used later.

20

Remove the mechanical fan assembly and set aside. It will be modified later.

30

Remove the fan shroud.



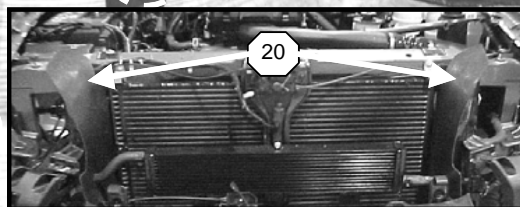
Notes:

[illegible]



?

ITEM NUMBER



Notes:

10

Remove 10 push-pin tree clips (5 per side).

20

Remove closeouts, LH and RH. Save for modification and re-installation.

[illegible]

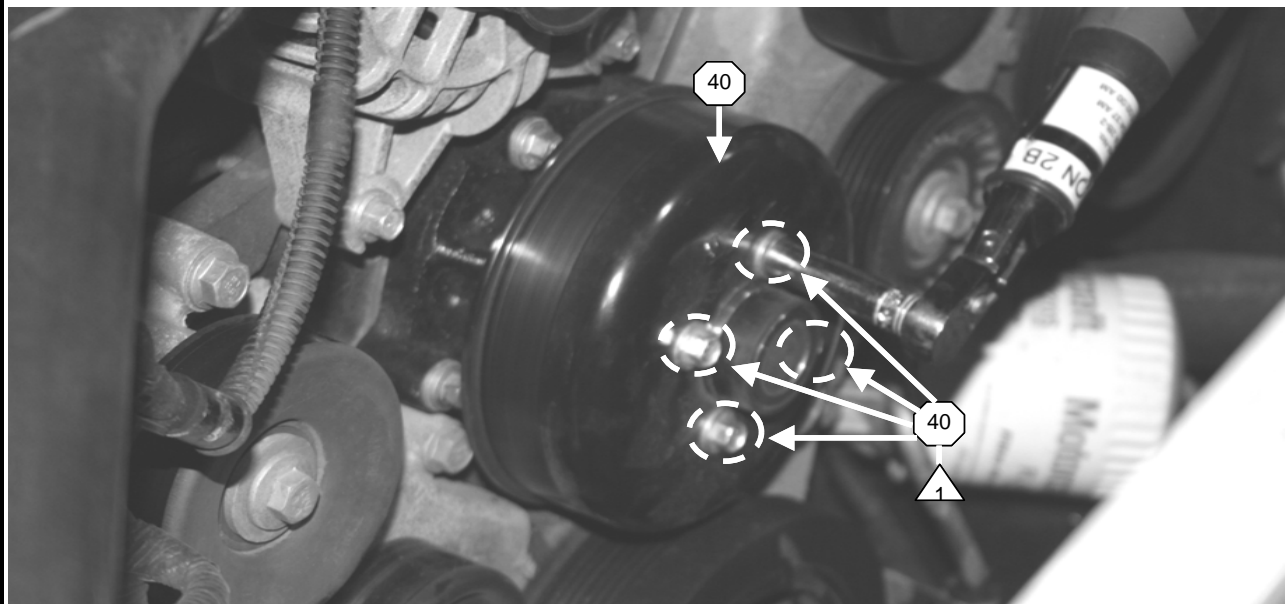
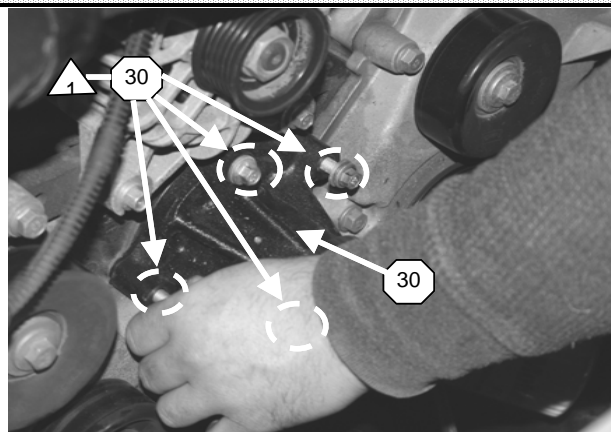
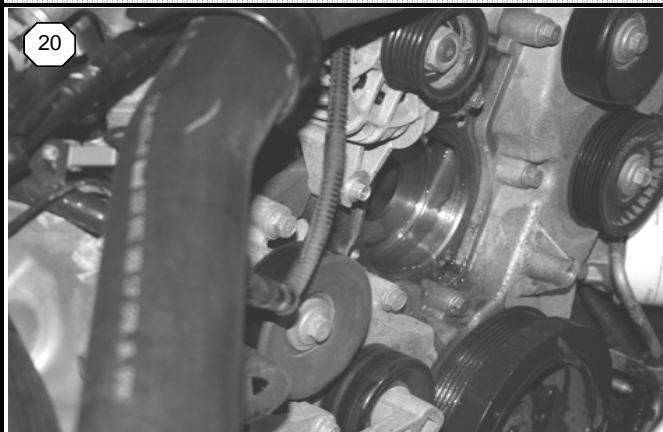
TORQUE

?

ITEM NUMBER



OPERATION




Notes:

NOTICE: Skip this page if the truck is a 2005 or 2006 F-150. This page is only applicable to 2007 model year F-150's and newer.

10 Remove the water pump pulley by removing the four bolts retaining it to the water pump. Save bolts for the re-installation of the water pump pulley.


20 Remove the 4 bolts holding in the old water pump (aluminum) and remove water pump. Save the bolts for the installation of the new water pump.

 Retrieve new water pump (iron) **(A)** and install using the 4 stock water pump fasteners. **18 +/- 2.7 Lb-ft**


40 Using the 4 stock fasteners for the pulley, secure the stock water pump pulley. **18 +/- 2.7 Lb-ft**

ITEM	PART NUMBER	QTY.	DESCRIPTION
A	00-2002-C16432*	1	Water Pump (Iron)

TORQUE




SALEEN



18 +/- 2.7 Lb-ft

PROCESS NAME

REPLACE WATER PUMP
('07 MODEL & UP)



Mandatory Torque Procedure

PAGE

B

14



10

[illegible]

SALEEN

PAGE

REMOVE SERPENTINE BELT & STOCK ALTERNATOR

15

Notes:



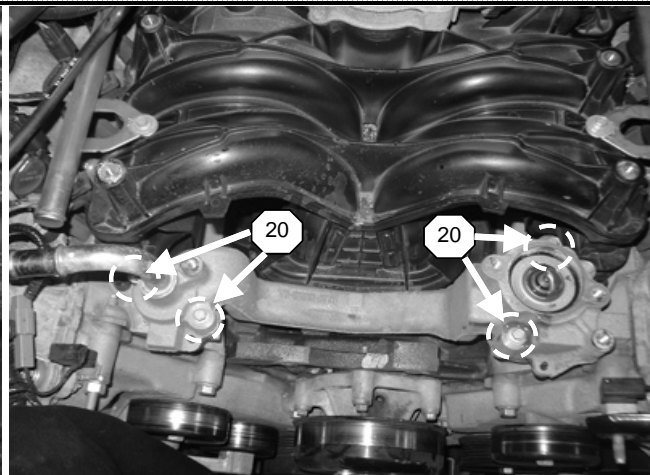
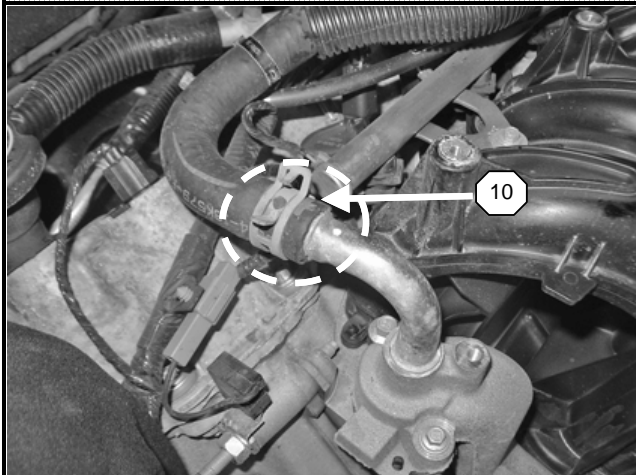
TORQUE

?

ITEM NUMBER



OPERATION




Do not remove the crossover tube yet, you'll remove it at the same time as removing the intake manifold.

10

Disconnect the coolant hose from the passenger side of the stock crossover tube.

20

Remove the four bolts that secure the coolant crossover tube to the cylinder heads.

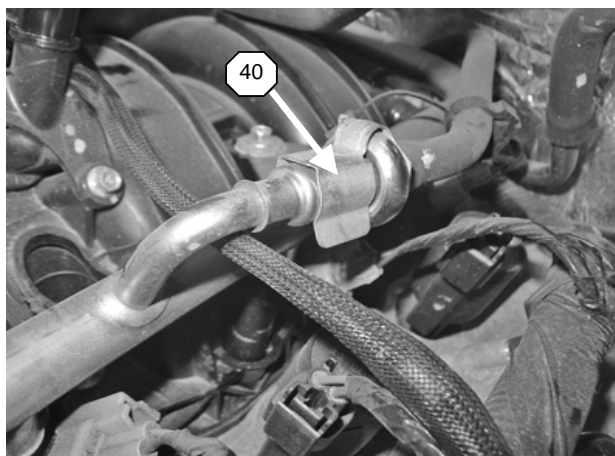
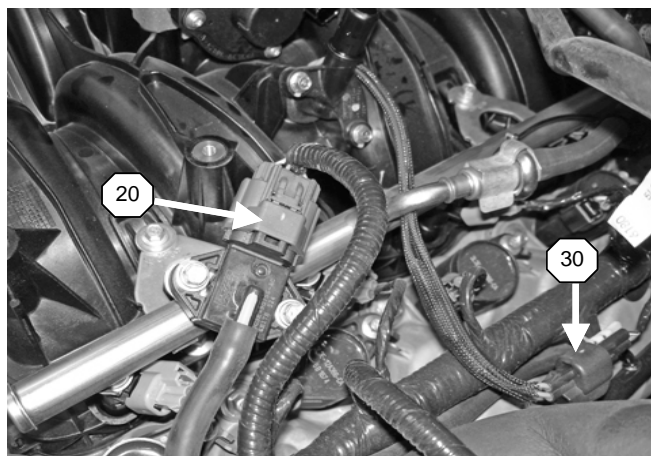
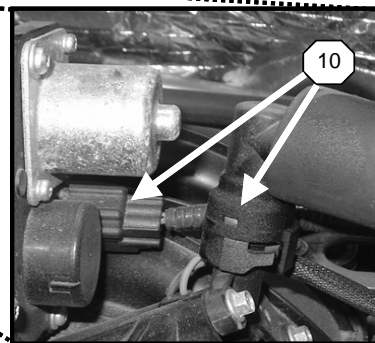
ITEM	PART NUMBER	QTY.	DESCRIPTION
TORQUE			 SALEEN
			PROCESS NAME REMOVE INTAKE MANIFOLD, WATER CROSSOVER & THROTTLE BODY
			PAGE
			16-1

Notes:



?

ITEM NUMBER



Notes:

10

Disconnect the throttle control harness connector and PCV hose.

20

Disconnect the fuel pressure sensor connector and rubber hose.



Disconnect the harness connector on the driver's side of the fuel rail.

40

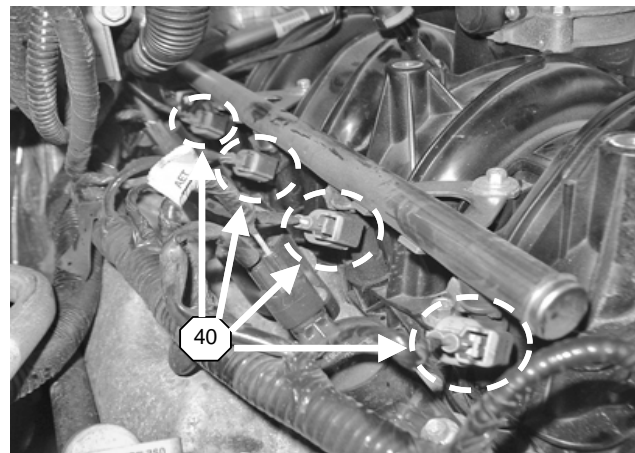
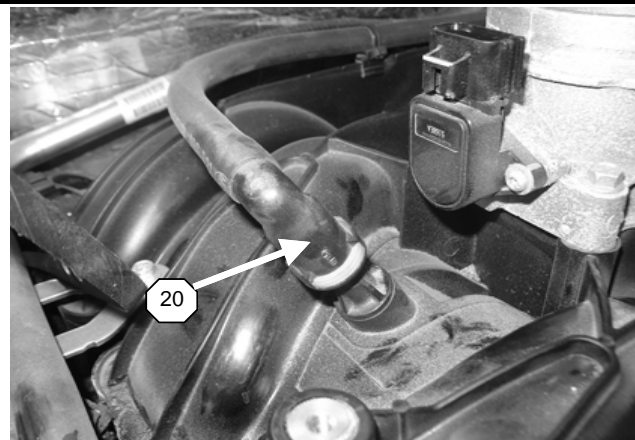
Disconnect the fuel feed hose from the fuel rail.

[illegible]



?

ITEM NUMBER



10

Disconnect the driver's side fuel injector connectors.

20

Disconnect the vacuum hose from the passenger side of intake manifold near the Throttle Position Switch (TPS).

30

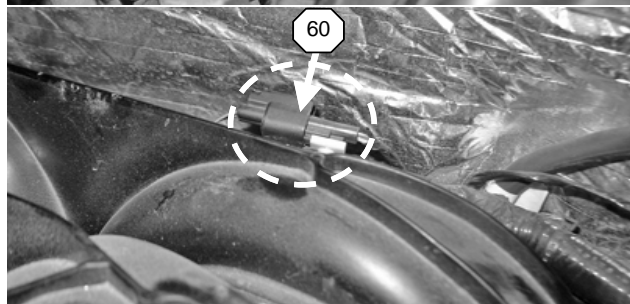
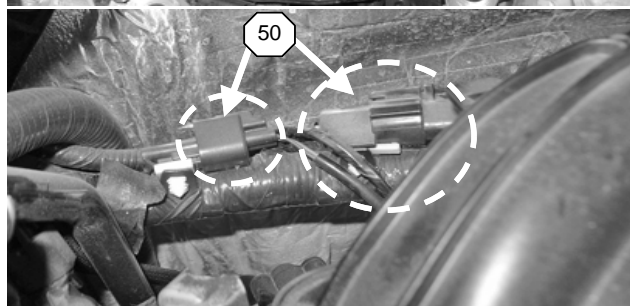
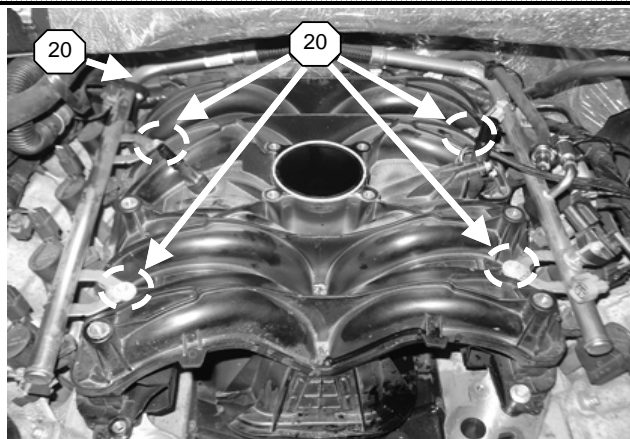
Remove the vacuum hose clip from the rear of the intake manifold between the throttle body and the engine room wall.

40

Disconnect the passenger side fuel injector connectors.

[illegible]

Notes:



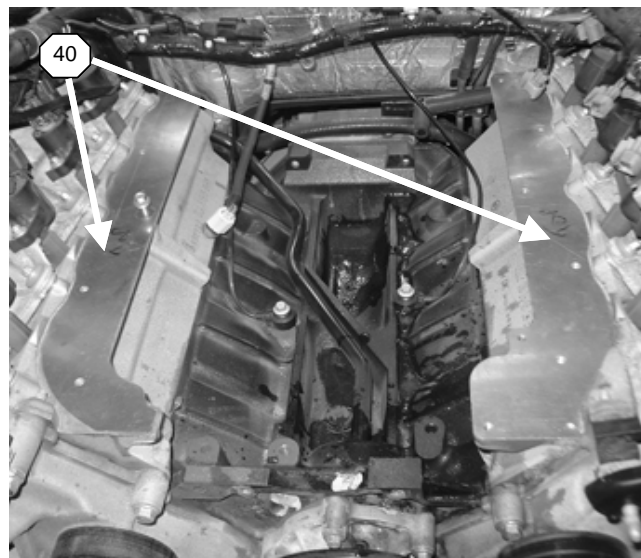
- 10 Remove four throttle body bolts and remove the throttle body from the intake manifold. Set aside the throttle body and bolts.
- 20 Remove four fuel rail bolts and remove the fuel rail assembly from the intake manifold. Drain the fuel from the fuel rail into a container certified to hold gasoline.
- 30 Once the fuel rail is removed, remove the eight fuel injectors by **CAREFULLY** prying the metal retainer clips with a flat blade screwdriver. **Be careful not to damage the clips, they will need to be re-used to secure the new injectors to the new fuel rail.**
- 40 Remove the fuel pressure transducer from the fuel rail. It will be re-installed onto the new fuel rail.
- 50 Disconnect the harness connectors located between the intake manifold and the passenger side engine compartment bulkhead.
- 60 Disconnect the harness connector located between the intake manifold and the driver's side engine compartment bulkhead.

[illegible]



?

ITEM NUMBER



Save the Throttle Body, Throttle Body Bolts, Throttle Body O-Ring Gasket, and Water Crossover Gaskets for re-use.

Notes:

10

Use a 10mm wrench to remove the nut that secures the harness that runs along the rear of the manifold.

20

Remove the 10 Intake Manifold Bolts, and then lift the intake manifold up and disconnect the power valve actuator connector.

30

Remove the intake manifold and water crossover tube.



Immediately cover the intake ports on the cylinder heads with masking tape. It is important to do so to prevent fasteners and debris from falling into the engine.



Save the Throttle Body, throttle body bolts, Throttle Body O-Ring Gasket, and Water Crossover Gasket (LH & RH) for re-use.

[illegible]



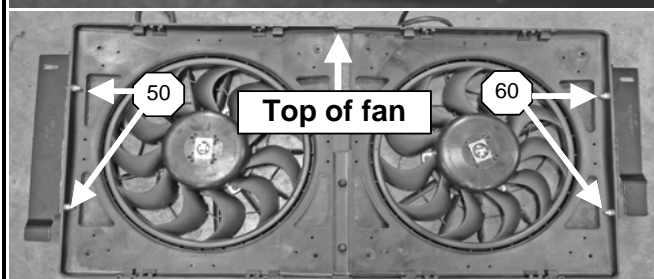
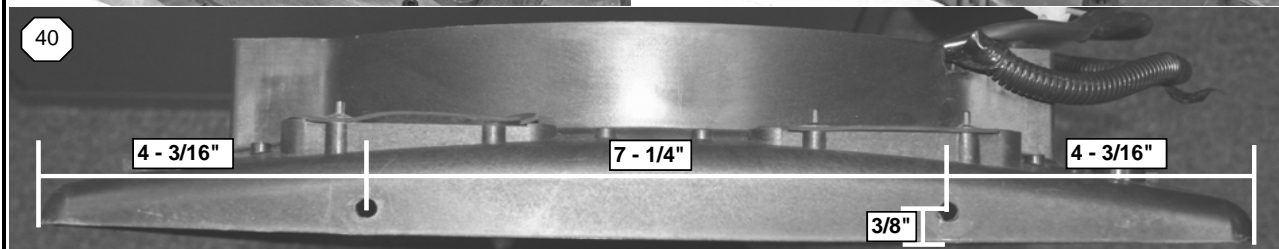
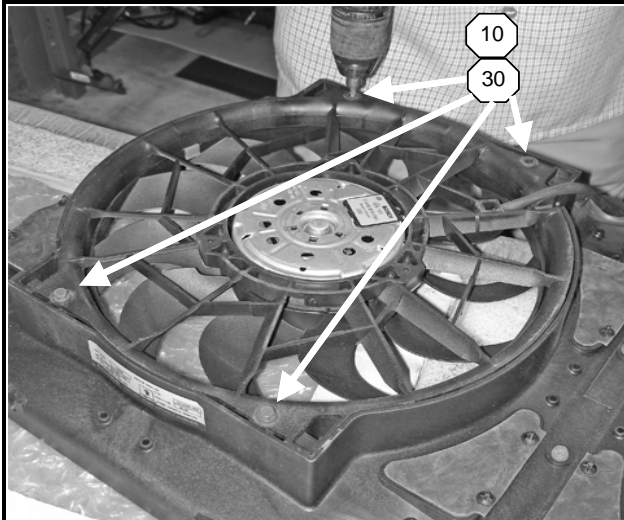
TORQUE

?

ITEM NUMBER



OPERATION



- 10 Remove the four fan mounting screws from the fan assembly (A).
- 20 Rotate the fan so the harness is on the same side of the shroud as the fan label.
- 30 Re-install and tighten the fan mounting screws, being careful not to over tighten and strip out the shroud screw holes.
- 40 Measure up each side of the fan shroud to locate the holes for the mounting brackets. There are two holes per side, each one located **four and three sixteenth inches** from each end to center of hole (there should be **seven and one quarter inches** from one center of the hole to the next). The holes should be **three eights inches** from the inner edge of the fan assembly. Once the hole locations are marked, drill **1/4"** holes in the driver (LH) and passenger (RH) end of the fan assembly.
- * 4 - 3/16" from the bottom of the fan assembly
- * 4 - 3/16" from the top of the fan assembly
- * 7 - 1/4" between holes
- * 3/8" from the front edge of the fan assembly
- 50 Install the passenger side mounting bracket (B) onto the fan with two nuts (D) and two 18mm OD flat washers (E).
- 60 Install driver side mounting bracket (C) onto fan with two nuts (D) and two 18mm OD flat washers (E).

ITEM	PART NUMBER	QTY.	DESCRIPTION
A	00-2001-C14544*	1	Fan Assembly, dual 13"
B	08-2001-C14388A	1	Bracket, Fan Assy, Pass
C	08-2001-C14387A	1	Bracket, Fan Assy, Driver
D	00-9003-C14411*	4	Nut, M6 Nylock
E	00-9004-C15181*	4	Washer, M6 flat, 18mm OD

TORQUE



PROCESS NAME

ASSEMBLY & INSTALLATION OF
THE ELECTRIC FAN ASSEMBLY
('05 & '06 MODELS)

PAGE

A

17-1

Notes:



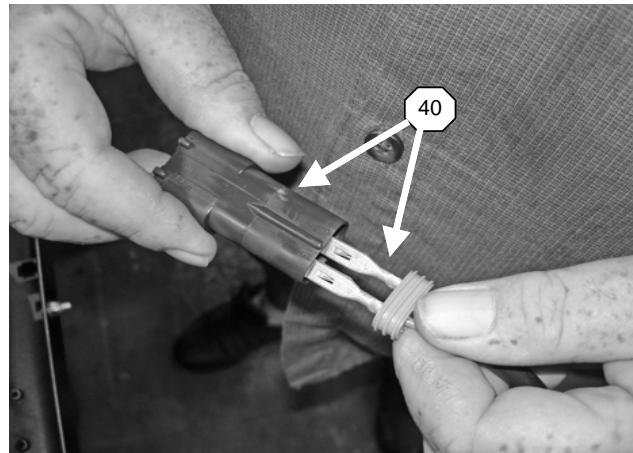
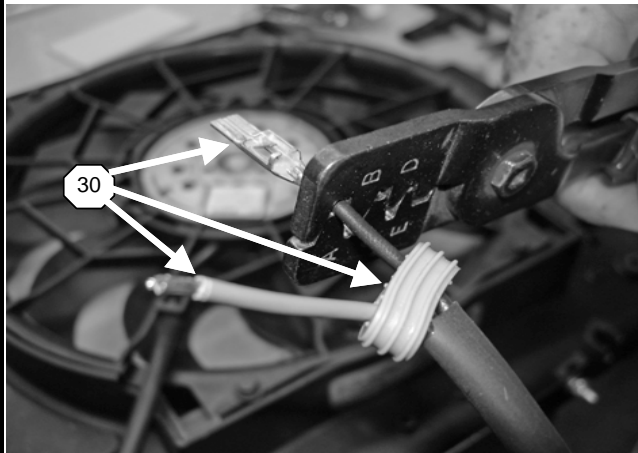
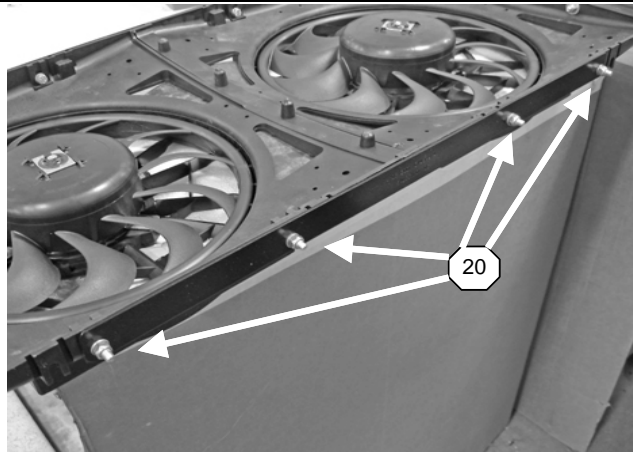
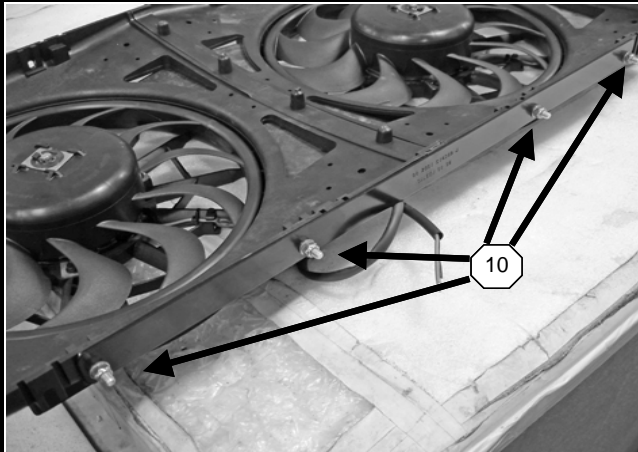
TORQUE



ITEM NUMBER



OPERATION



10

Install a stiffener plate (A) along the top side of the shroud with 4 bolts (B), 4 nuts (C), and 8 flat washers (D), making sure the plate overhang is towards rear of shroud.

20

Install a stiffener plate (A) along the bottom side of the shroud with 4 bolts (B), 4 nuts (C), and 8 washers (D), making sure the plate overhang is towards the rear of the shroud.

30

For each fan motor wire harness:

- Strip the wires
- Install heat shrink tubing (G)
- install a gray rubber seal (H)
- install and crimp the terminals (E)

40

Insert the crimped terminals into the connector body (F), making sure they are fully seated and locked into place.

ITEM	RT NUMBER	QTY.	DESCRIPTION
A	08-2001-C14389A	2	Bracket, stiffener, Upr / Lwr
B	00-9001-C14684	8	M6 bolt x 25mm
C	00-9003-C14411*	8	Nut, M6 Nylock
D	00-9004-C00296*	8	Washer, M6 Flat
E	00-1703-C14986*	4	Blade terminals
F	00-1703-C14982*	2	Two-blade connector
G	00-1704-C09041*	2"	Heat Shrink, Dual Wall 3/8" Black
H	00-1703-C14987*	2	Cable Seal, Gray 2 Terminal

TORQUE



SALEEN

PROCESS NAME

ASSEMBLY & INSTALLATION OF
THE ELECTRIC FAN ASSEMBLY
('05 & '06 MODELS)

PAGE

A

17-2

Notes:



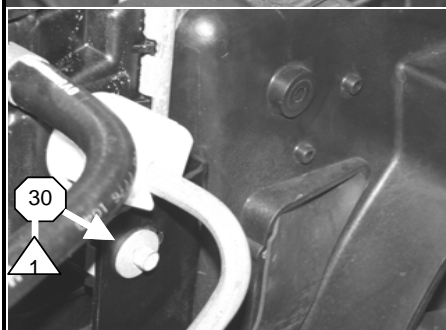
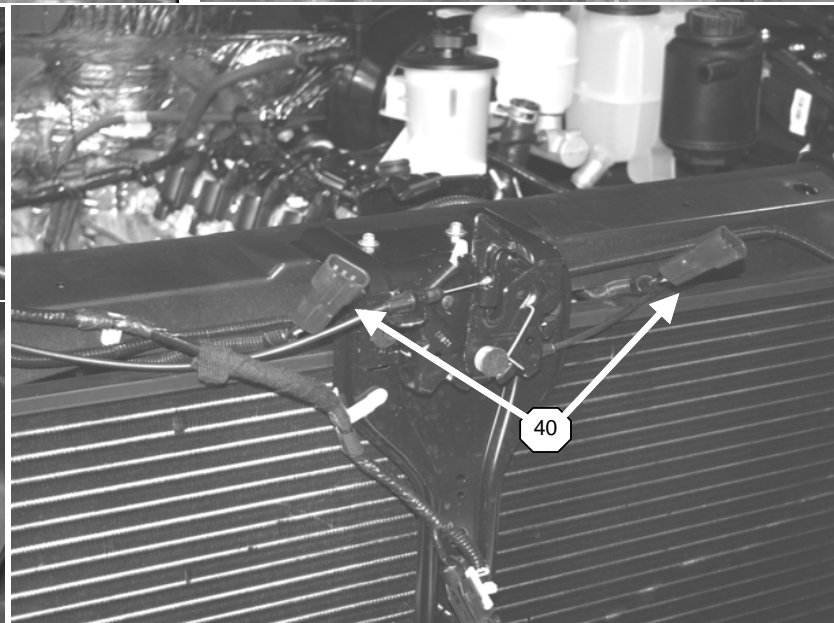
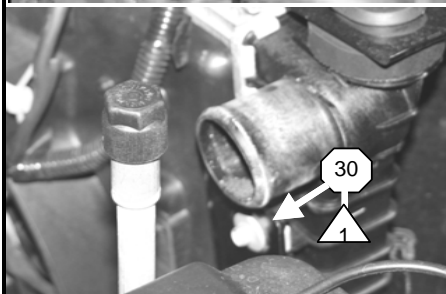
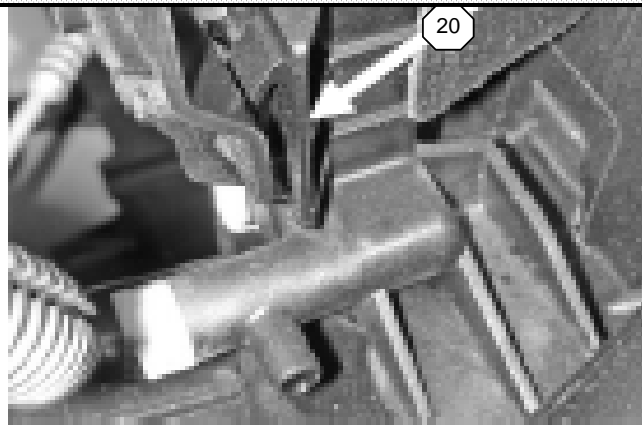
TORQUE



ITEM NUMBER



OPERATION



10

Carefully lower the electric fan assembly into the engine compartment along the radiator being careful not to damage the radiator fins.

20

Guide the fan assembly into place by sliding the mounting brackets on each side of the assembly into the slip brackets located on the radiator at the bottom.

30

Secure the top of the electric fan assembly by installing the two stock bolts. **53 +/- 8 Lb-in**

40

Route the fan plugs underneath the top of the core support, over the radiator, and over top of the A/C condenser. These plugs will be connected once the fan harness is installed.

ITEM	PART NUMBER	QTY.	DESCRIPTION

TORQUE

1

53 +/- 8 Lb-in



SALEEN

PROCESS NAME
**ASSEMBLY & INSTALLATION OF
THE ELECTRIC FAN ASSEMBLY
('05 & '06 MODELS)**



Mandatory Torque Procedure

PAGE

A
17-3

Notes:



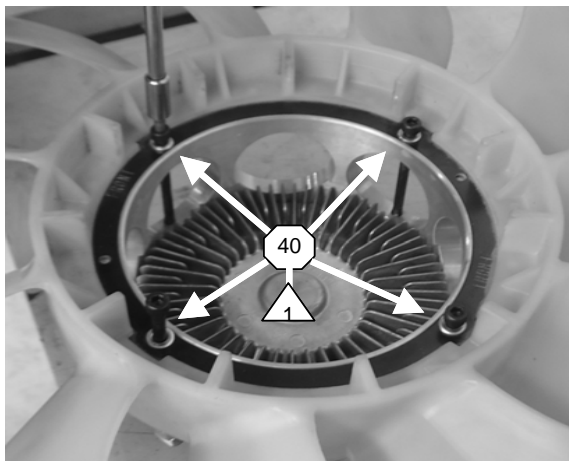
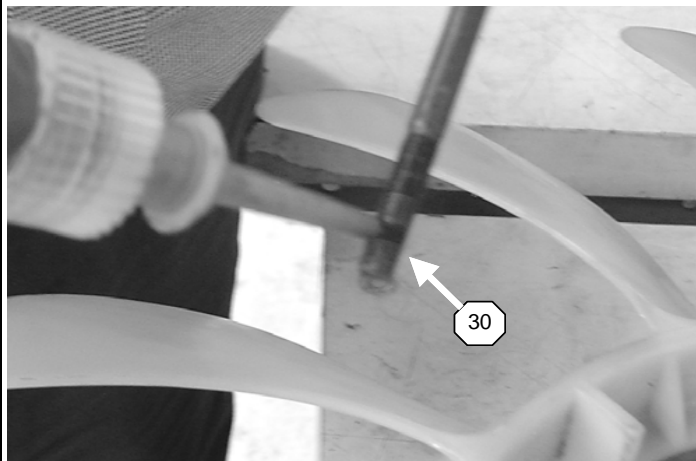
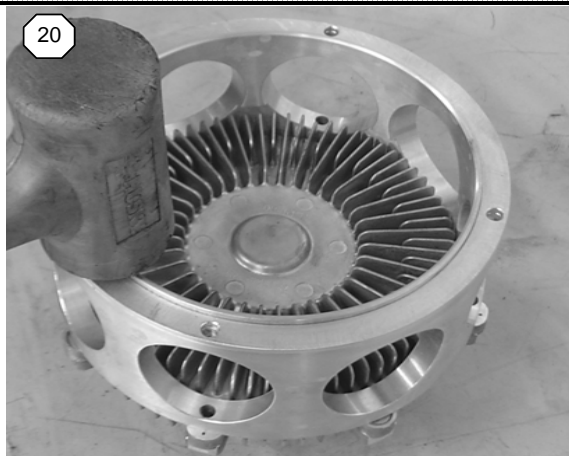
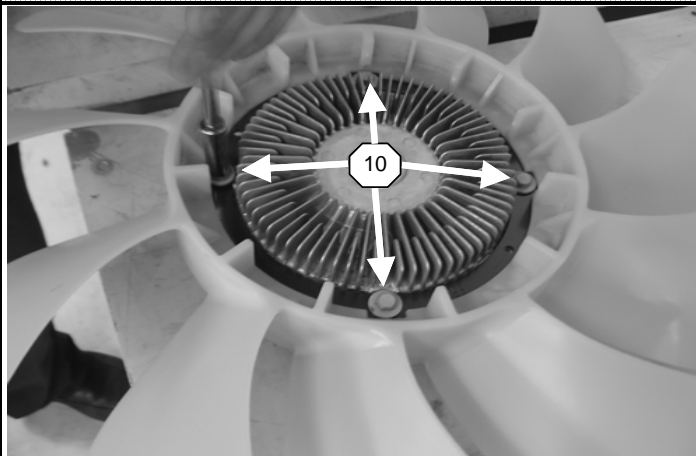
TORQUE

?

ITEM NUMBER



OPERATION



10

Using a 8 mm socket and ¼" drive ratchet, remove the 4 bolts from the fan & hub assembly.

20

Install the spacer (A) onto the fan hub by lining up the holes in the bottom of the spacer with the holes in the hub. Check flush against the clutch all the way around – use a feeler gauge to measure the gap consistency

***Gently tap the spacer onto the hub with a rubber mallet, but only if necessary.**

30

Use a drop of red loctite at the bottom of each capscrew.

40

Install the fan over the spacer by ensuring the fan is flush against the spacer, and then install each capscrew (B) with one washer (C).

62 +/- 9.3 Lb-in

ITEM	PART NUMBER	QTY.	DESCRIPTION
A	08-1604-C16177A	1	Spacer, Fan
B	00-9001-C16379*	4	Cpscrw, SKT Head, M6 x 90MM
C	00-9004-C00296*	4	Washer Flat M6 ST

TORQUE

1

62 +/- 9.3 Lb-in



SALEEN

PROCESS NAME

INSTALL MODIFIED FAN &
SHROUD TOGETHER
('07 MODEL & UP)



Mandatory Torque Procedure

PAGE

B

17-1

Notes:



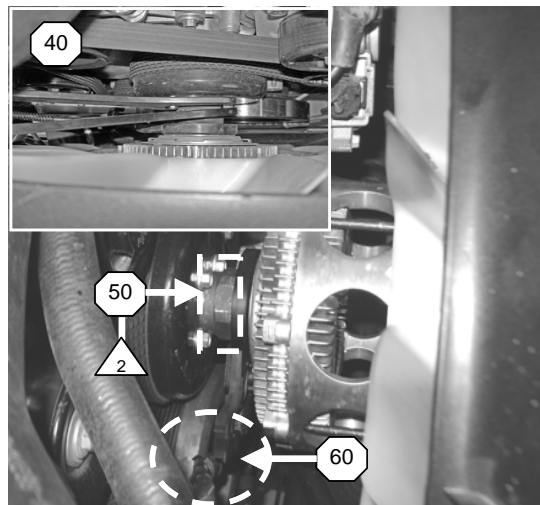
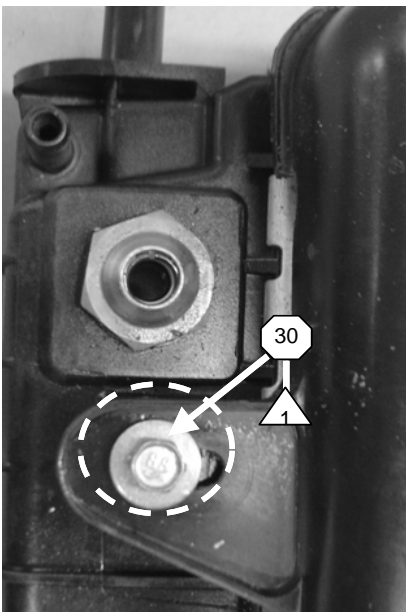
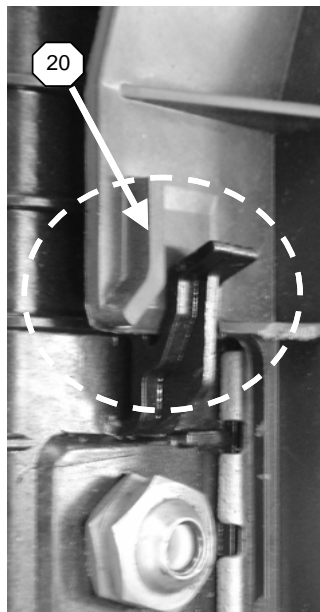
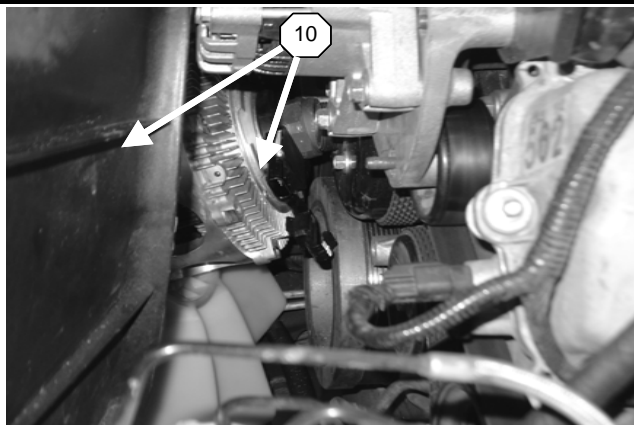
TORQUE

?

ITEM NUMBER



OPERATION



Make sure once shroud is in place there is at least a 1/2" of clearance between the fan blades and shroud all the way around the shroud opening.

10

Insert the fan into the new fan shroud and insert both (A) into the front of the engine bay.

20

Slide the lower tabs of the new fan shroud into the slip brackets on the radiator (one on each side).

30

Secure the upper tabs of the new shroud to the radiator with the stock bolts (one on each side). **53 +/- 8 Lb-in**

40

Secure the mechanical fan assembly by holding the water pump pulley steady.

50

Tighten the fan clutch hub nut. **98 +/- 14.7 Lb-ft**

60

Reconnect the fan control harness electrical connector, and secure the harness in the clip with the stock rubber bushing.

ITEM	PART NUMBER	QTY.	DESCRIPTION
A	08-2001-B16381*	1	Mechanical Fan Kit, 2007 SC

TORQUE

1

53 +/- 8 Lb-in

2

98 +/- 14.7 Lb-ft



SALEEN

PROCESS NAME

INSTALL MODIFIED FAN &
SHROUD TOGETHER
('07 MODEL & UP)



Mandatory Torque Procedure

PAGE

B

17-2

Notes:



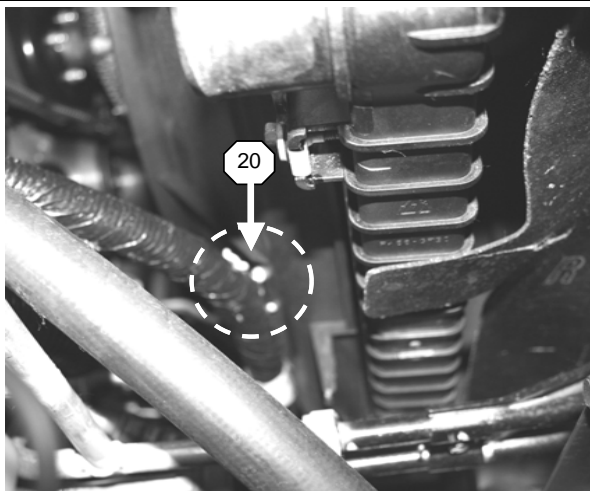
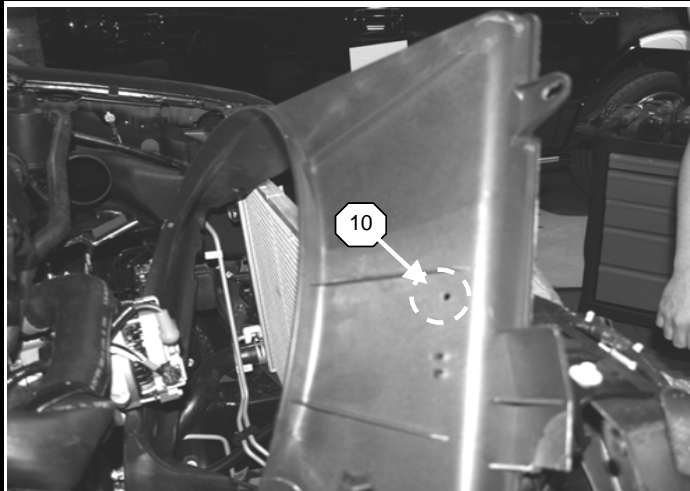
TORQUE

?

ITEM NUMBER



OPERATION




10

Drill a hole (with a 1/4" drill bit) for the battery cable wire harness tree clip in the new fan shroud. On the RH (passenger) side.

20

Attach the battery cable wire harness tree clip to the new fan shroud.

ITEM	PART NUMBER	QTY.	DESCRIPTION
TORQUE			SALEEN
		PROCESS NAME	PAGE
		INSTALL MODIFIED FAN & SHROUD TOGETHER ('07 MODEL & UP)	<div>B</div> <div>17-3</div>

Notes:



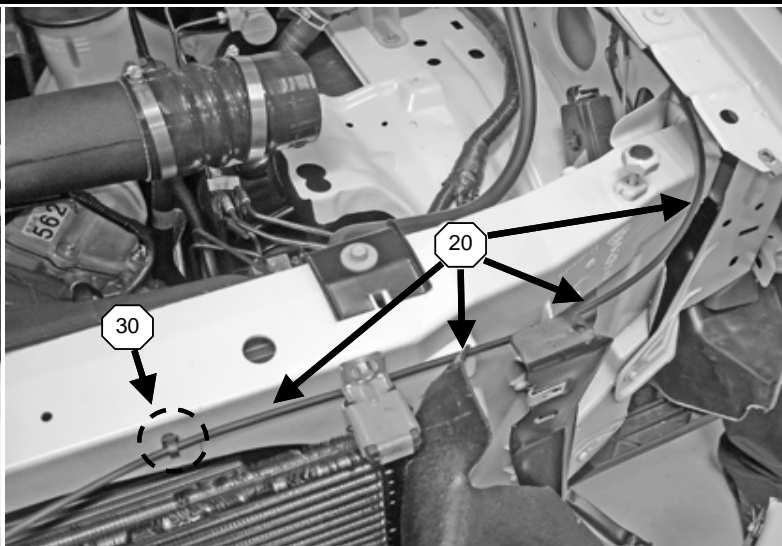
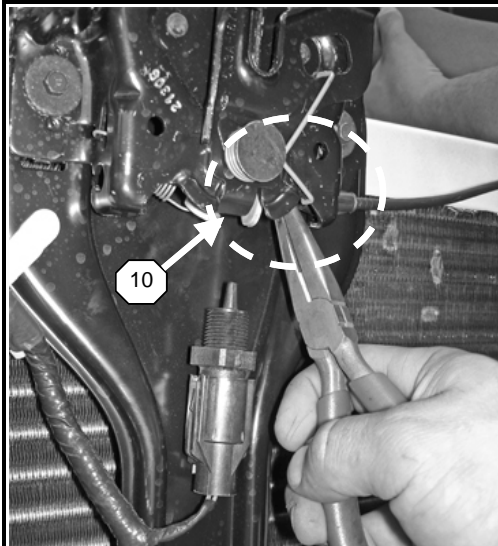
TORQUE

?

ITEM NUMBER



OPERATION



10


Use a pair of needle-nose pliers to disconnect the cable from the hood latch.

20

Re-route the front hood release cable and reconnect it to the hood latch.

30

Do not re-install the retainer clip on the hood cable to the core support. A zip tie with a tree clip will be used later.

ITEM	PART NUMBER	QTY.	DESCRIPTION
TORQUE		 SALEEN	
		PROCESS NAME	PAGE
		RE-ROUTE HOOD PULL CABLE	
			18

Notes:



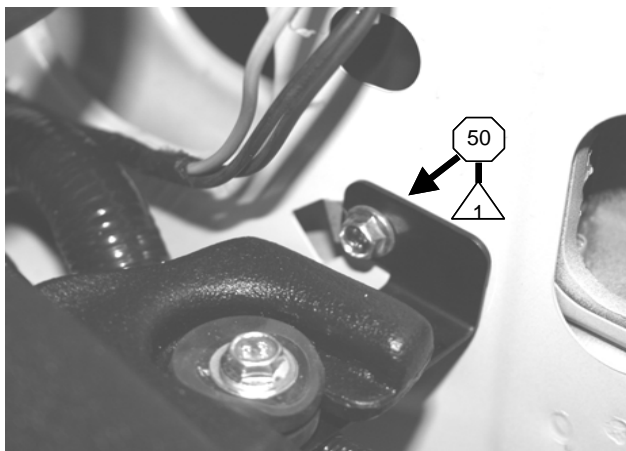
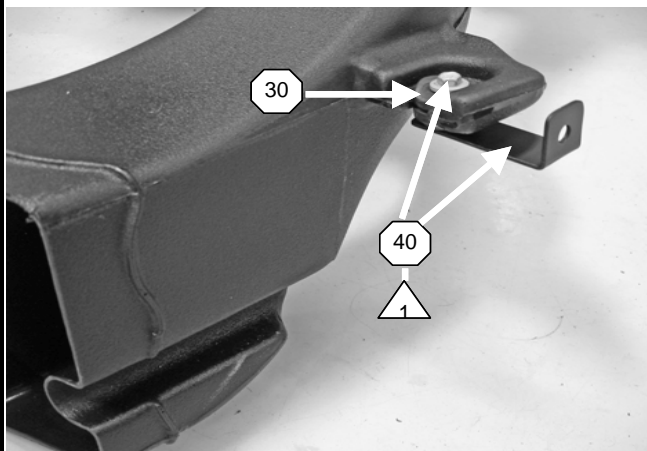
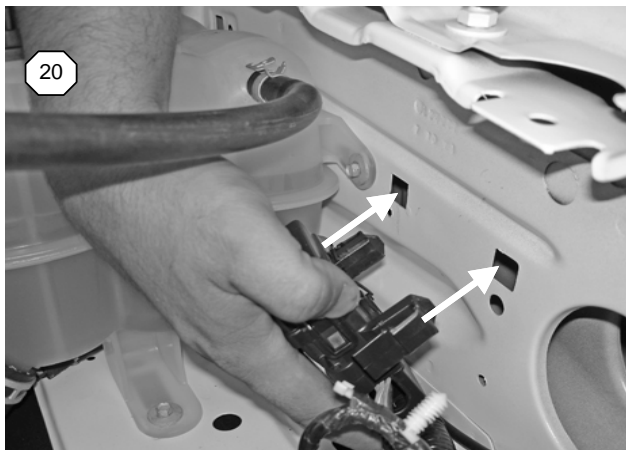
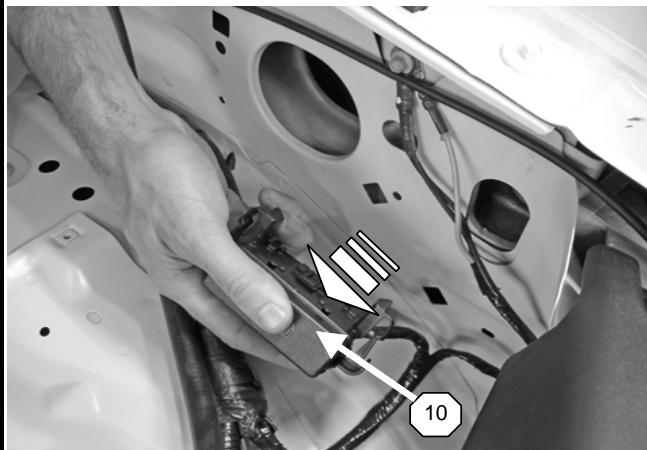
TORQUE



ITEM NUMBER



OPERATION



10

Remove the fuse holder on the driver's side front inner fender well by pressing in on two lock clips.

20

Install the fuse holder into the square holes near the engine coolant reservoir.

30

Install a new rubber grommet (A) onto the lower air intake tube (B).

40

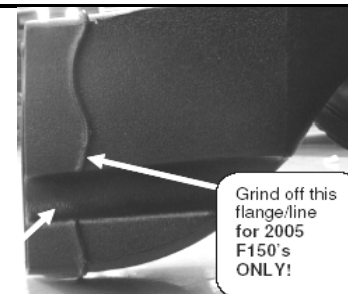
Install the support bracket (C) on to the lower air intake tube with bolt (D). **80 +/- 12 Lb-in**

50

Slide J-Clip (E) into existing opening and install the lower air intake tube with bolt (D) making sure the tube is fully seated in the core support opening. **80 +/- 12 Lb-in**

NOTICE: FOR 2005 M.Y. F-150s ONLY:

You will need to modify the lower zip tube by grinding off the flange (shown in the picture to the right) of the lower zip tube all the way around. This process is for 2005 M.Y. F-150s only!



ITEM	PART NUMBER	QTY.	DESCRIPTION
A	00-9009-C05474*	1	Grommet, Air Box
B	08-1602-C14547B	1	Zip Tube, Lower
C	08-1602-C15219B	1	Bracket, Zip Tube Lower, S331
D	00-9001-C10141*	2	CS Hx Ifng M6 x 1.0 x 25mm FI Thrd Zn
E	N/A	1	J-Clip

TORQUE

1

80 +/- 12 Lb-in



SALEEN

PROCESS NAME

PAGE

INSTALL LOWER ZIP TUBE
ASSEMBLY



Mandatory Torque Procedure

19

Notes:



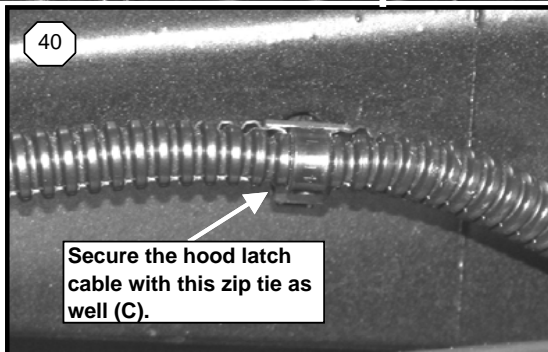
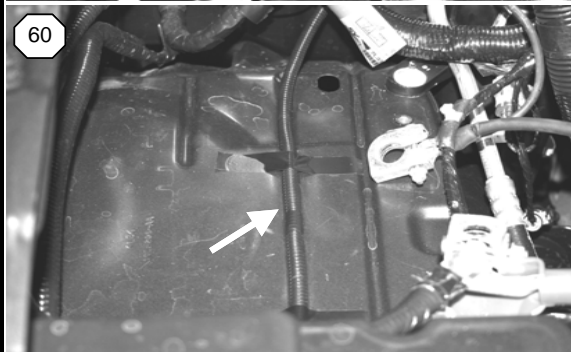
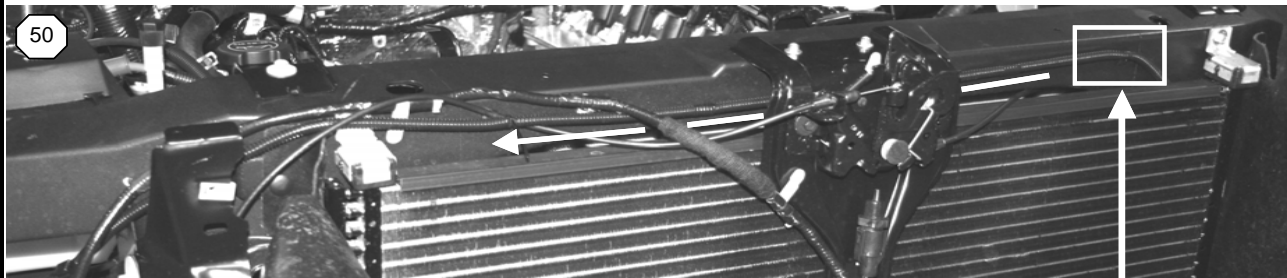
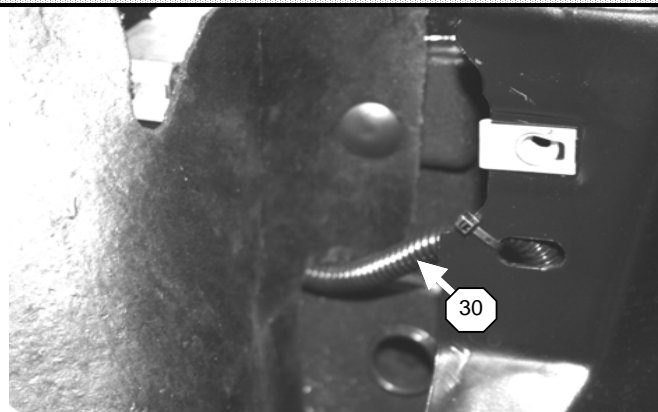
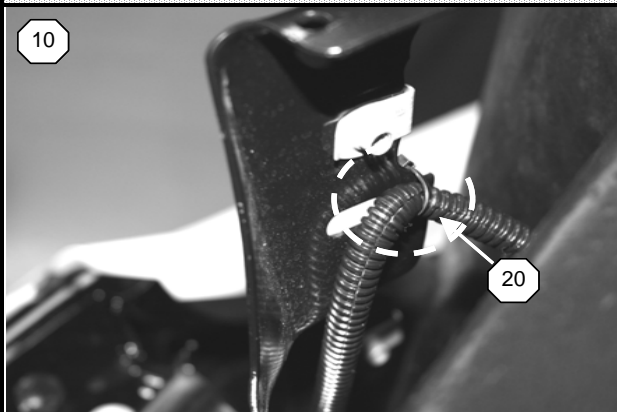
TORQUE



ITEM NUMBER



OPERATION



10

Route the water pump harness **(A)** from the LH fog light area (near LH radiator closeout) upward to the top of the core support.

20

Install a zip-tie **(B)** near a J-clip (headlamp bracket) at the top of the core support.

30

Route the water pump harness between the LH radiator close-out and the core support.

40

Run the harness along the front of the core support and use a zip-tie w/ tree clip **(C)** to attach both the harness and hood latch cable to the core support where the hood latch cable used to be.

50

Continue to run the harness along the front of the core support under the hood latch cable and underneath the latch bracket. Use a zip-tie **(B)** to hold the harness to the latch cable.

60

Run the harness through the RH headlamp opening in the core support and route under the washer bottle and battery tray.

ITEM	PART NUMBER	QTY.	DESCRIPTION
A	08-1704-C15126C	1	Water Pump Harness
B	069-700	2	4" Zip Tie
C	00-9007-C15326*	1	8.3" Zip Tie, Tree Push Mount

TORQUE



SALEEN




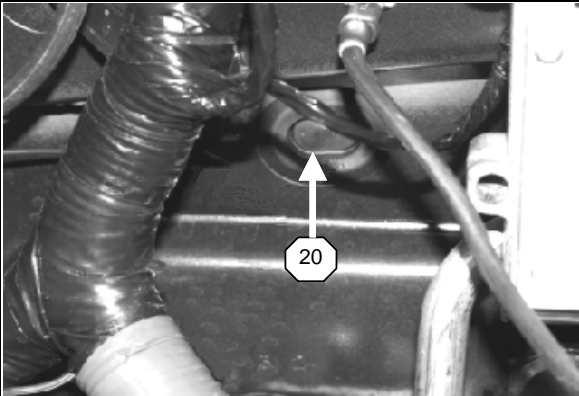


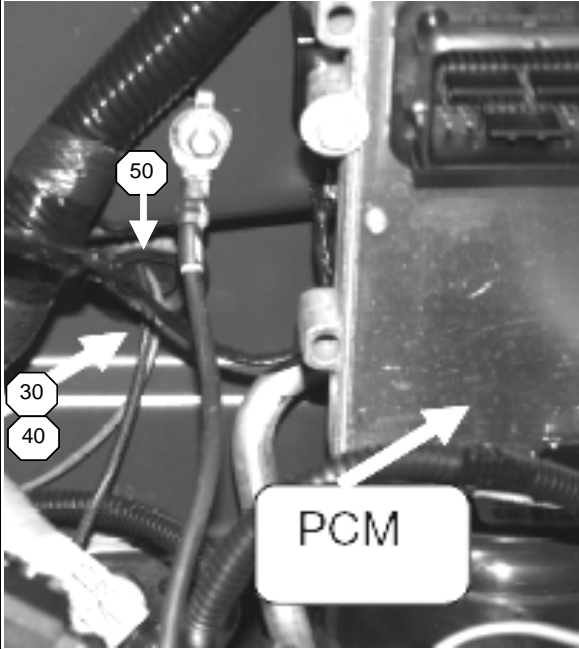



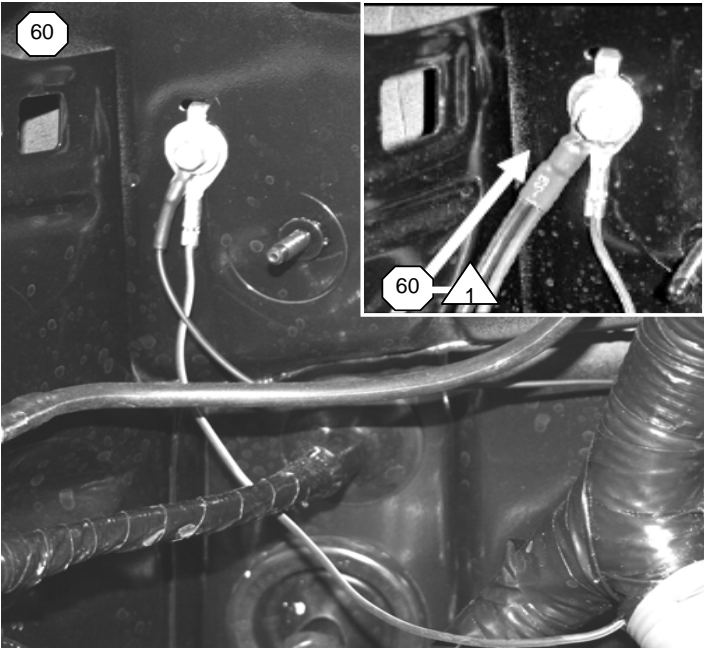










PROCESS NAME

INSTALL THE WATER PUMP & FAN
HARNESS
('05 & '06 MODELS)

PAGE

A
20-1

Notes:

 TORQUE	 ITEM NUMBER	 OPERATION																																				
																																						
	  																																					
<p>Notes:</p> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div>																																						
<table><thead><tr><th>ITEM</th><th>PART NUMBER</th><th>QTY.</th><th>DESCRIPTION</th></tr></thead><tbody><tr><td></td><td>08-1704-C14979B</td><td>1</td><td>Harness, Dual Fan</td></tr><tr><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td></tr></tbody></table>			ITEM	PART NUMBER	QTY.	DESCRIPTION		08-1704-C14979B	1	Harness, Dual Fan																												
ITEM	PART NUMBER	QTY.	DESCRIPTION																																			
	08-1704-C14979B	1	Harness, Dual Fan																																			
<table><thead><tr><th colspan="2">TORQUE</th><th colspan="2"> SALEEN</th></tr></thead><tbody><tr><td></td><td>9 +/- 1.35 Lb-ft</td><td colspan="2">PROCESS NAME</td></tr><tr><td> </td><td> </td><td colspan="2">INSTALL THE WATER PUMP & FAN HARNESS</td></tr><tr><td> </td><td> </td><td colspan="2">('05 & '06 MODELS)</td></tr><tr><td> </td><td> </td><td colspan="2">Mandatory Torque Procedure</td></tr></tbody></table>			TORQUE		 SALEEN			9 +/- 1.35 Lb-ft	PROCESS NAME				INSTALL THE WATER PUMP & FAN HARNESS				('05 & '06 MODELS)				Mandatory Torque Procedure																	
TORQUE		 SALEEN																																				
	9 +/- 1.35 Lb-ft	PROCESS NAME																																				
		INSTALL THE WATER PUMP & FAN HARNESS																																				
		('05 & '06 MODELS)																																				
		Mandatory Torque Procedure																																				
			PAGE 20-2																																			

<div>TORQUE</div> <div>?</div> <div>ITEM NUMBER</div> <div>OPERATION</div>																																							
<div>White With Purple Stripe Wire Connections</div> <div><div>Existing Wire (White w/ Purple Stripe) Harness Side</div><div>Existing Wire (White w/ Purple Stripe) Plug Side</div><div>Relay Wire (White w/ Purple Stripe)</div></div>		<div>Red With Black Stripe Wire Connections</div> <div><div>Relay Wire (Red w/ Black Stripe)</div><div>Existing Wire (Red w/ Black Stripe) Harness Side</div><div>Existing Wire (Red w/ Black Stripe) Plug Side</div></div>		<div>10</div> <div>Splice (A) (in parallel) the white/purple relay wire to the white/purple wire (pin #23) in the 24-pin central junction box connector. Use a heat source to shrink the heat shrink tubing (B) over the butt connector.</div> <div>20</div> <div>Splice (A) (in parallel) the red/black relay wire to the red/black wire (pin #24) in the 24-pin central junction box connector. Use a heat source to shrink the heat shrink tubing (B) over the butt connector.</div> <div>30</div> <div>Re-connect the 24-pin connector to the junction box, making sure the D-ring is fully snapped into place and the connector is locked together.</div>																																			
<div>NOTE: Make sure to slide the heat shrink tubing (1/4" x 1.25") over the wires before crimping the butt connectors</div>		<table><tr><th>ITEM</th><th>PART NUMBER</th><th>QTY.</th><th>DESCRIPTION</th></tr><tr><td>A</td><td>00-1704-C09262*</td><td>2</td><td>16 Gauge, Seamless Butt Connector</td></tr><tr><td>B</td><td>00-1703-C07082*</td><td>2</td><td>Heat Shrink 1/4" Black</td></tr><tr><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr></table>		ITEM	PART NUMBER	QTY.	DESCRIPTION	A	00-1704-C09262*	2	16 Gauge, Seamless Butt Connector	B	00-1703-C07082*	2	Heat Shrink 1/4" Black																								
ITEM	PART NUMBER	QTY.	DESCRIPTION																																				
A	00-1704-C09262*	2	16 Gauge, Seamless Butt Connector																																				
B	00-1703-C07082*	2	Heat Shrink 1/4" Black																																				
<div>Notes:</div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div>		<div>TORQUE</div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div>		<div><div></div>SALEEN</div> <div>PROCESS NAME</div> <div>INSTALL THE WATER PUMP & FAN HARNESS ('05 & '06 MODELS)</div> <div>PAGE</div> <div>A</div> <div>20-4</div>																																			



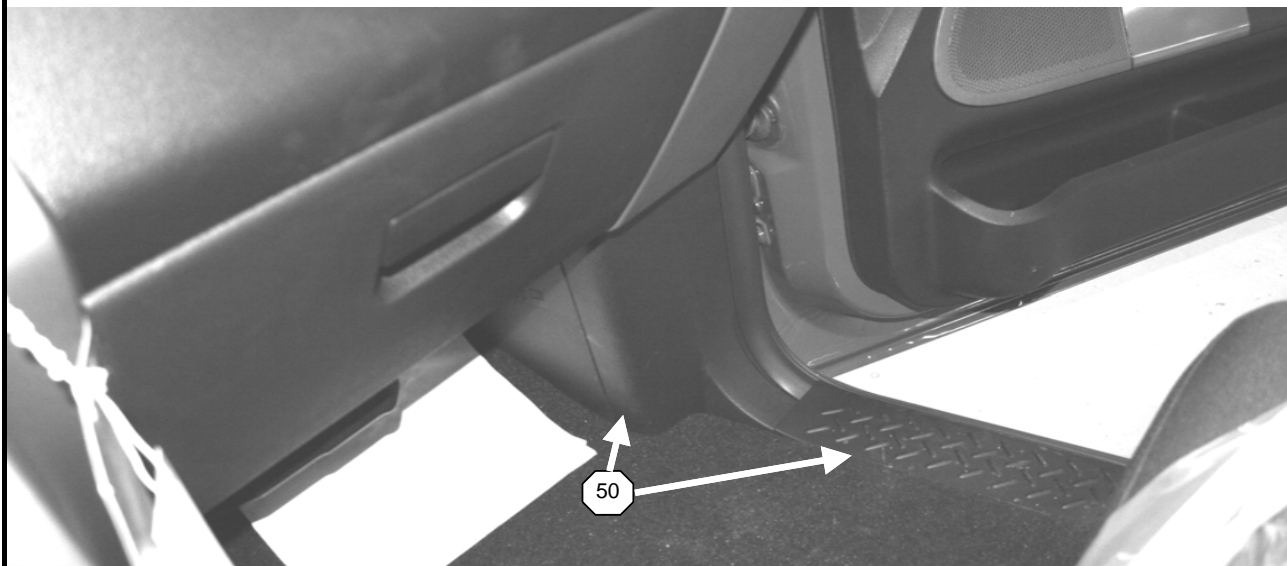
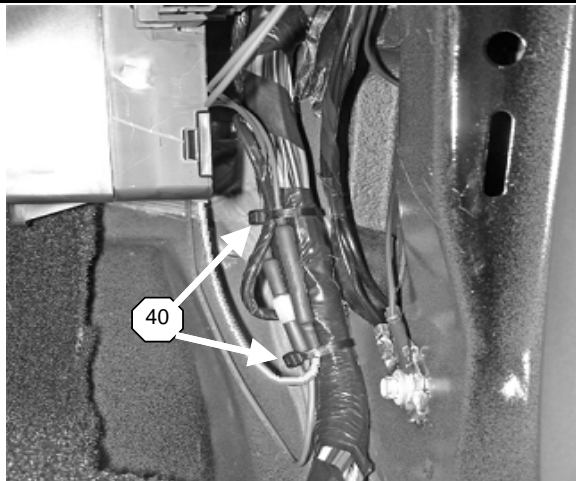
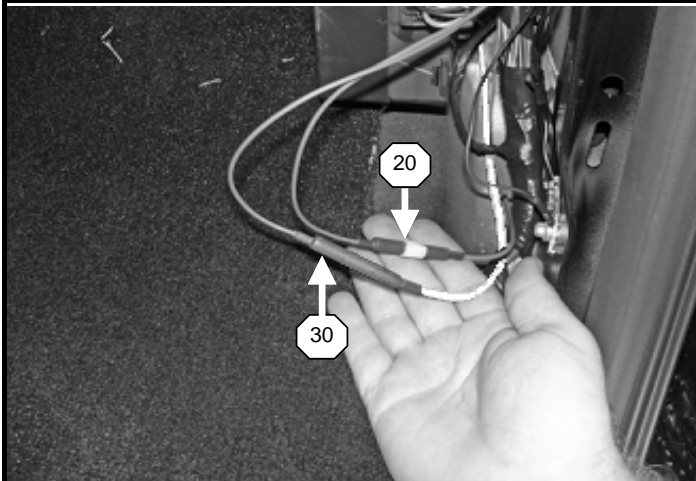
TORQUE

?

ITEM NUMBER



OPERATION



Notes:

- 10 Connect the fan harness and water pump harness wires (Orange w/bullet connector and the white w/purple stripe) from engine compartment to the relay orange wires inside vehicle at the passenger side kick panel.
- 20 Connect the fan harness by plugging the bullet connector together between the fan harness and relay wire.
- 30 Connect the water pump harness by cutting the end off of the remaining orange wire from the relay and then strip both the water pump harness and remaining orange wire from the relay. Slide heat shrink over one of the wires and then splice (A) the two wires together. Slide the heat shrink (B) over the connector and apply heat.
- 40 Secure the orange wires to the existing wire harness with two tie wraps (C).
- 50 Re-install passenger side kick panel and door sill.

ITEM	PART NUMBER	QTY.	DESCRIPTION
A	00-1704-C09262*	1	16 Gauge, Seamless Butt Splice
B	00-1703-C07082*	1	Heat Shrink 1/4" Black
C	069-700	2	4" Zip Tie

TORQUE



SALEEN

PROCESS NAME

PAGE

INSTALL THE WATER PUMP & FAN
HARNESS
('05 & '06 MODELS)

A
20-5



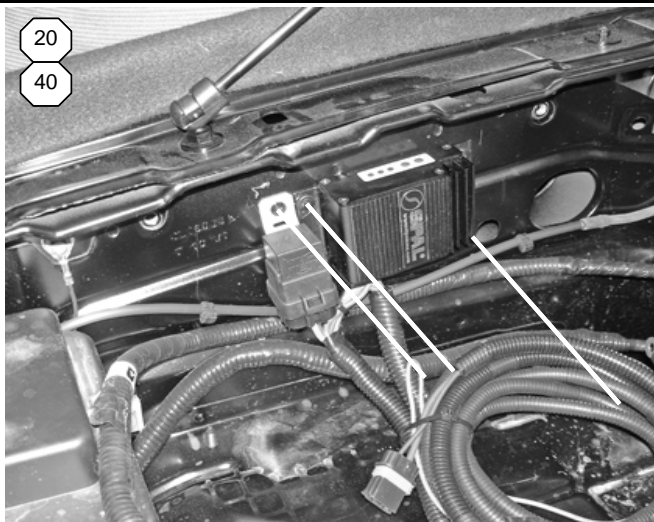
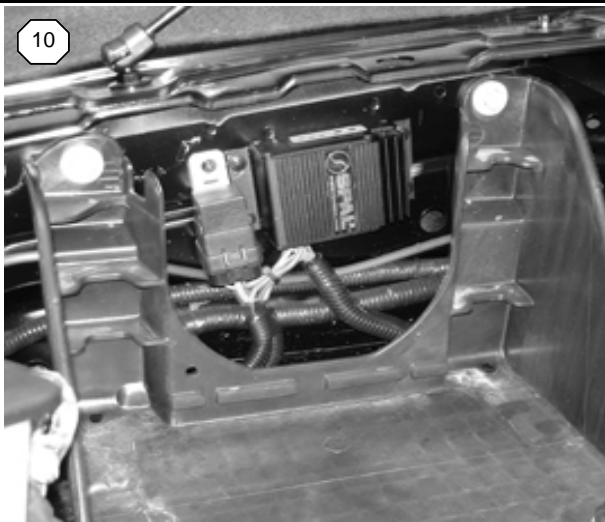
TORQUE

?

ITEM NUMBER



OPERATION



Notes:

10

Drill the holes for the fan relay and control box by holding the fan relay and control box up against the passenger side inner fender so they are centered between the battery tray vertical mounts.

20

Mark and drill 3 holes (1 for the relay and two in opposite corners for the fan control box) using a 1/8" drill bit.

30

For wire harness routing purposes, remove the bolts that secure the windshield washer fluid reservoir and reposition it towards the center of the engine compartment.

40

Mount the fan relay and control box to the passenger side inner fender well using 3 screws (A).

NOTICE: For some vehicles with manual air conditioning, there is a small vacuum reservoir for the HVAC system already mounted behind the battery tray in the location where you will need to install the fan relay and fan control box. You will need to remove the reservoir from the inner fender and disconnect the vacuum line. We will re-attach the HVAC vacuum reservoir later in the installation.

ITEM	PART NUMBER	QTY.	DESCRIPTION
A	00-9011-C06817*	3	Screw #8-1/2 Phil FlatHd Wshr Black

TORQUE



SALEEN

PROCESS NAME

PAGE

INSTALL THE WATER PUMP & FAN
HARNESS
('05 & '06 MODELS)

A
20-6



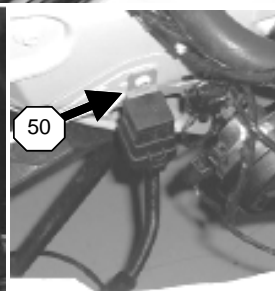
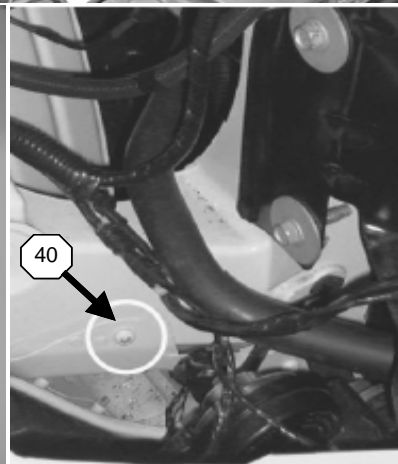
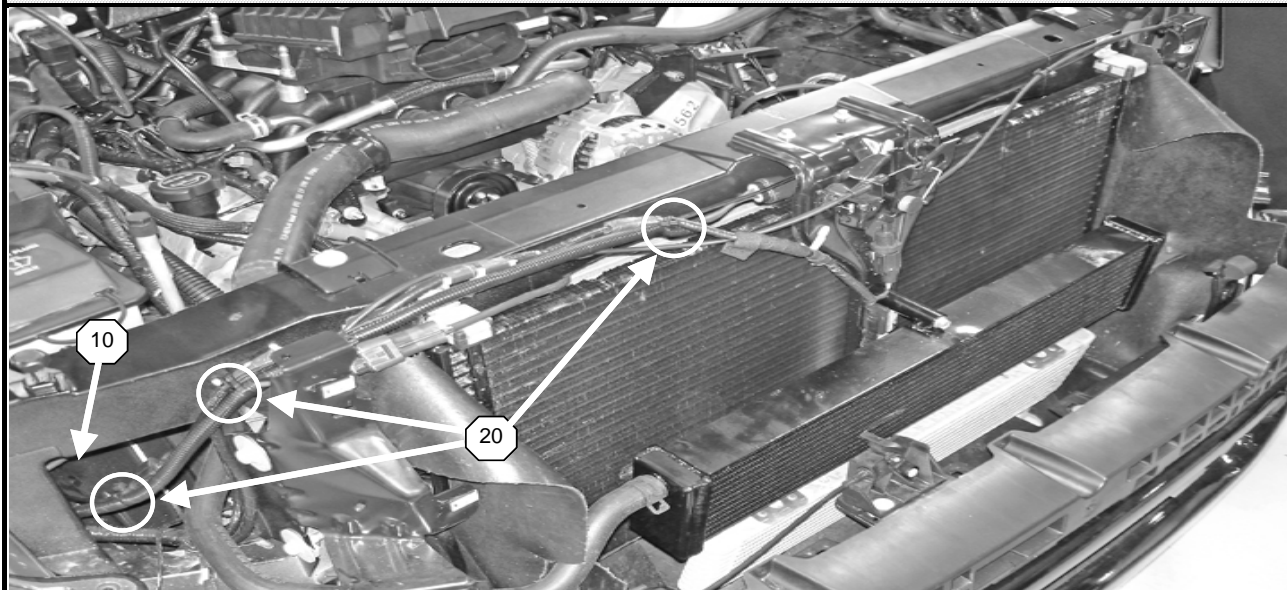
TORQUE

?

ITEM NUMBER



OPERATION



10

Route the fan harness along the inner fender and through the rectangle hole in the core support using the water pump harness wire as a guide.

20

Continue routing the fan harness along the front of the core support (at the top) and secure to the existing vehicle harness and water pump harness with three zip-ties **(B)**.

30

Retrieve the Low speed fan harness relay **(A)**.

40

Remove the torx bolt (T-30) that is located on the chassis just below the rectangle hole in the core support (that the water pump & fan harness wires were routed through).

50

Mount the low speed fan harness relay at this location using the removed T-30 torx bolt. Mount the relay with the wires facing down.

ITEM	PART NUMBER	QTY.	DESCRIPTION
A	08-1704-B16152	1	Low Speed Harness Relay
B	069-700	3	4" Zip Tie

Notes:

TORQUE






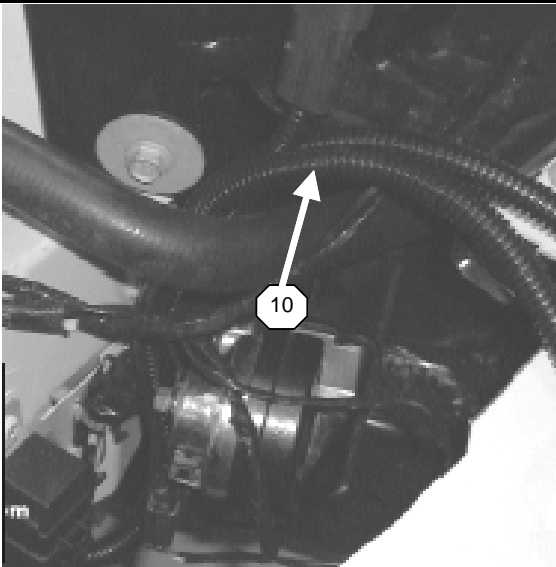
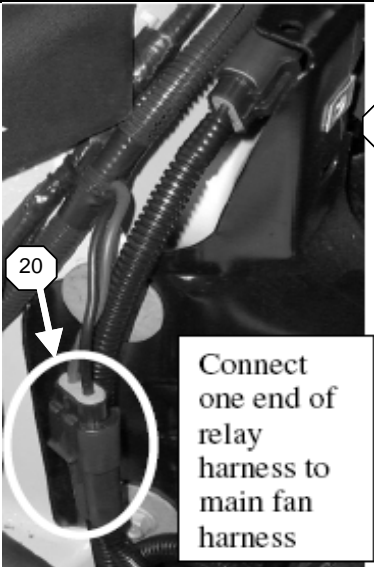

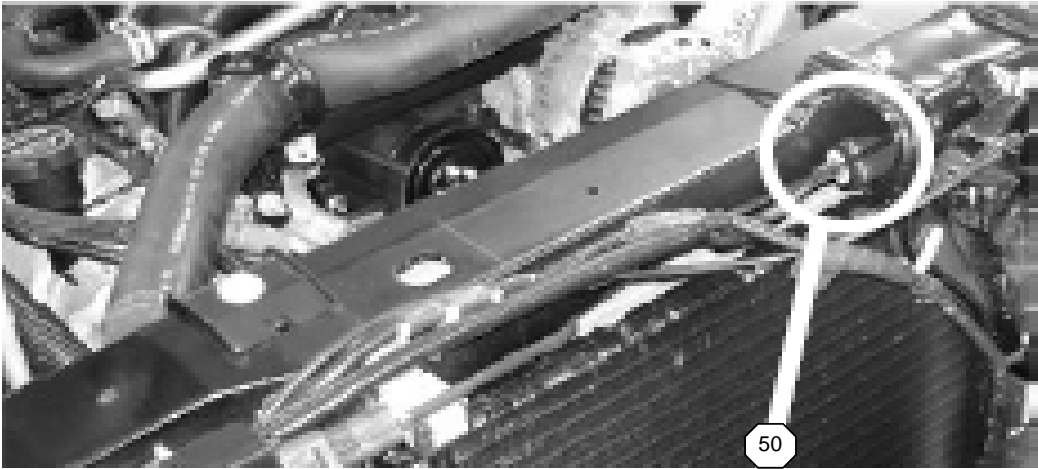

SALEEN

PROCESS NAME

INSTALL THE WATER PUMP & FAN
HARNESS
('05 & '06 MODELS)

PAGE

A
20-7

 TORQUE	 ? ITEM NUMBER	 OPERATION																																																				
					<div><div>10</div><div>Route the low speed relay wires up along the RH headlamp support bracket</div></div> <div><div>20</div><div>Connect the one end of the low speed fan relay to the main fan harness connector that is farthest to the right (passenger side).</div></div> <div><div>30</div><div>Zip-tie (A) the low speed fan harness and connector to the existing harness.</div></div> <div><div>40</div><div>Connect the remaining low speed fan harness connector to the RH (passenger side) fan connector.</div></div> <div><div>50</div><div>Connect the remaining main harness connector to the LH (driver side) fan connector.</div></div>																																																	
																																																						
Notes: <div></div> <div></div> <div></div> <div></div> <div></div> <div></div>																																																						
<table><tr><th>ITEM</th><th>PART NUMBER</th><th>QTY.</th><th>DESCRIPTION</th></tr><tr><td>A</td><td>06-3001-B12429D</td><td>1</td><td>7" Zip Tie</td></tr><tr><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td></tr></table>		ITEM	PART NUMBER	QTY.	DESCRIPTION	A	06-3001-B12429D	1	7" Zip Tie																													<table><tr><th colspan="2">TORQUE</th></tr><tr><td> </td><td> </td></tr><tr><td> </td><td> </td></tr><tr><td> </td><td> </td></tr><tr><td> </td><td> </td></tr><tr><td> </td><td> </td></tr><tr><td> </td><td> </td></tr><tr><td> </td><td> </td></tr></table>	TORQUE															
ITEM	PART NUMBER	QTY.	DESCRIPTION																																																			
A	06-3001-B12429D	1	7" Zip Tie																																																			
TORQUE																																																						
		<table><tr><td>PROCESS NAME</td><td>PAGE</td></tr><tr><td>INSTALL THE WATER PUMP & FAN HARNESS ('05 & '06 MODELS)</td><td>A 20-8</td></tr></table>	PROCESS NAME	PAGE	INSTALL THE WATER PUMP & FAN HARNESS ('05 & '06 MODELS)	A 20-8																																																
PROCESS NAME	PAGE																																																					
INSTALL THE WATER PUMP & FAN HARNESS ('05 & '06 MODELS)	A 20-8																																																					



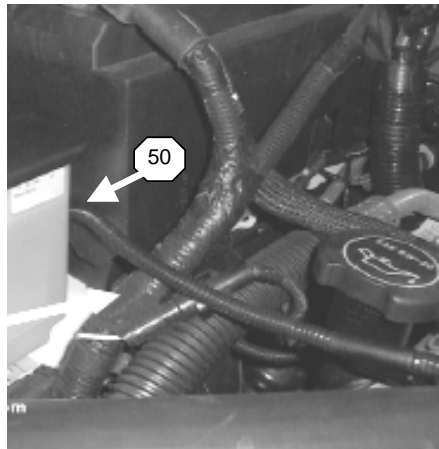
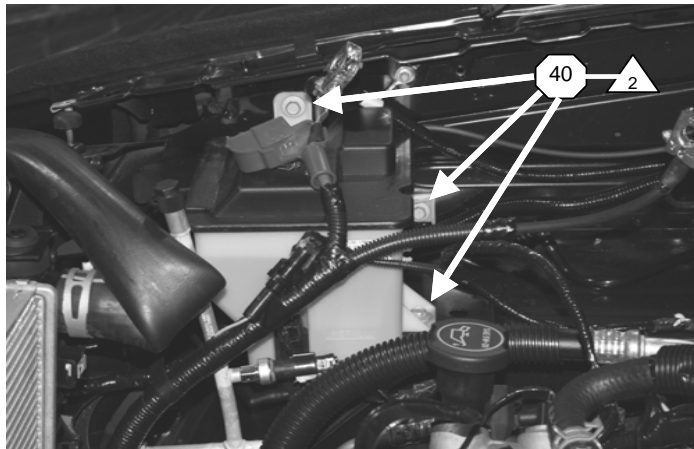
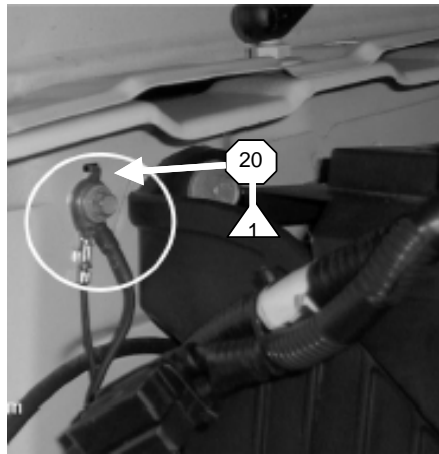
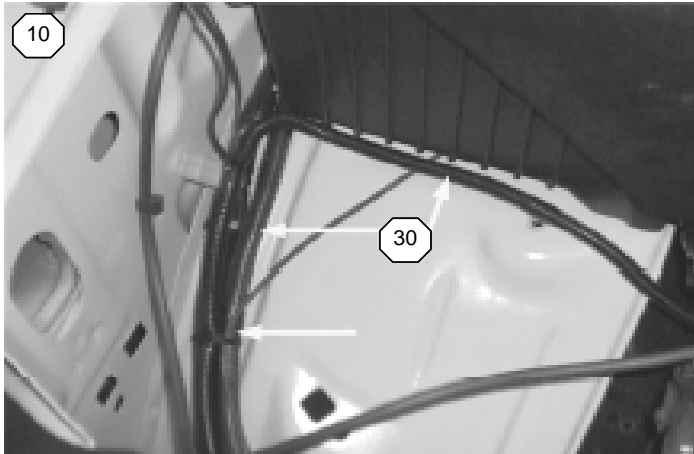
TORQUE

?

ITEM NUMBER



OPERATION




- 10 Run the low speed fan harness power and ground wires along the dual fan harness next to the inner fender. Secure with three zip ties (A).
- 20 Remove the ground bolt from the wheel well (behind the washer bottle) and install the low speed fan relay ground ring terminal at that location. **9 +/- 1.35 Lb-ft**
- 30 Position the washer bottle making sure the wires are tucked in along the inner fender so as not to get pinched by the washer bottle when you tighten it down.
- 40 Install washer bottle. **62 +/- 9.3 Lb-in**
- 50 Route the low speed fan harness around the back of the washer bottle (between the washer bottle and where the battery and tray will go).

NOTICE: If you needed to remove the HVAC reservoir for the manual air conditioning earlier in the build, here is where you re-install that component. Thoroughly clean the front of the windshield washer fluid tank and the back of the HVAC reservoir. Apply automotive adhesion promoter (3M brand recommended) to the tank and reservoir. Apply double sided tape to the reservoir. Remove the backing from the tape and firmly press the reservoir to the tank. Press a plastic coupler into the open vacuum line that was disconnected from the HVAC reservoir. Press a .2" ID plastic / rubber vacuum hose over the other end of the coupler, then install the other end of the hose onto the nipple on the HVAC reservoir.

ITEM	PART NUMBER	QTY.	DESCRIPTION
A	06-3001-B12429D	3	7" Zip Tie

TORQUE

1	9 +/- 1.35 Lb-ft	 PROCESS NAME INSTALL THE WATER PUMP & FAN HARNESS ('05 & '06 MODELS) Mandatory Torque Procedure	PAGE A 20-9
2	62 +/- 9.3 Lb-in		

Notes:



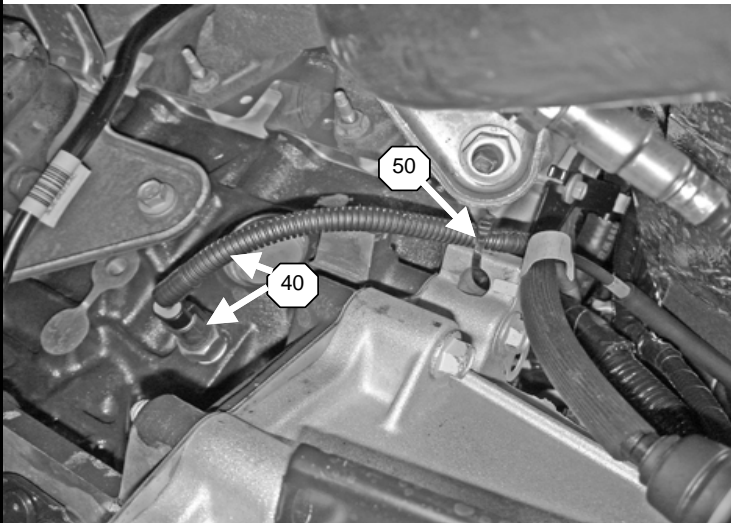
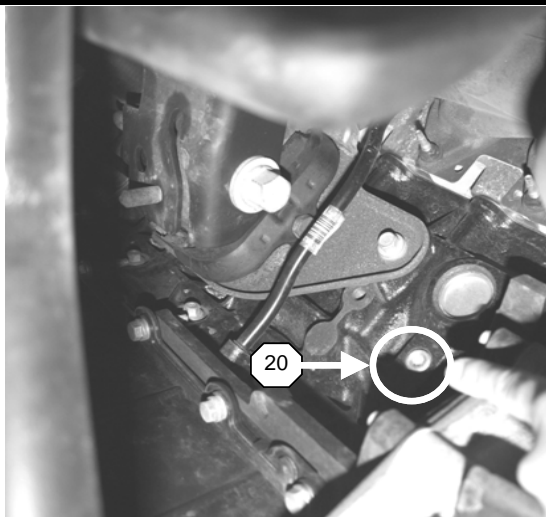
TORQUE

?

ITEM NUMBER



OPERATION



10

Route the coolant temperature end of the main fan harness in front of the PCM, over the bell housing, and down the driver's side of the bell housing. Secure with zip-ties as needed.

20

Go underneath the vehicle and locate the plug with the recessed allen. Remove the plug **(have a 2-gallon bucket handy incase there is still coolant left in the block)**.

30

Retrieve the provided engine coolant temperature sensor **(A)** and apply thread sealant/pipe dope or teflon tape. **(Thread sealant with PTFE is recommended)**.

40

Install the coolant temperature sensor and connect the fan harness connector to the coolant temperature sensor.

50

Secure the harness to the engine block with a zip-tie **(B)**.

ITEM	PART NUMBER	QTY.	DESCRIPTION
A	00-1702-C15230*	1	Temp Sensor, Electric Fans
B	069-700	1	4" Zip Tie

TORQUE



SALEEN

PROCESS NAME

PAGE

INSTALL THE WATER PUMP & FAN
HARNESS
('05 & '06 MODELS)

A

20-10

Notes:



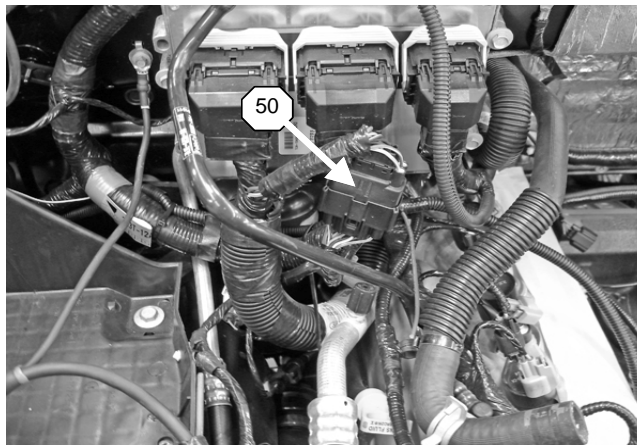
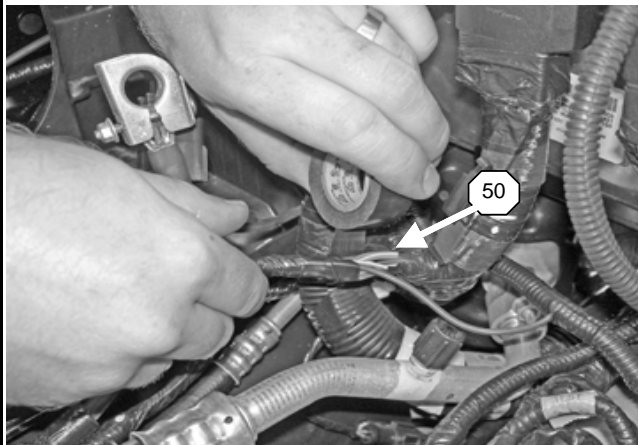
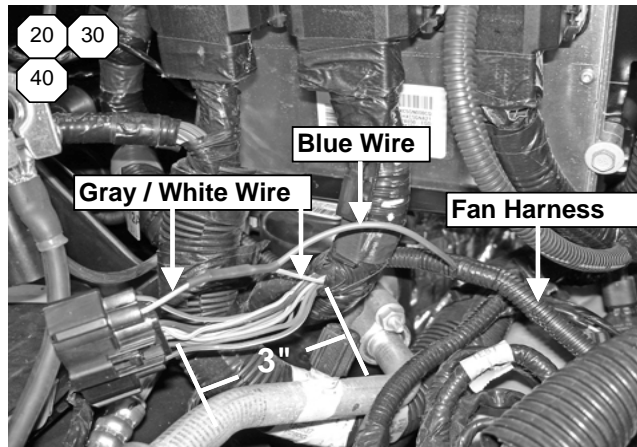
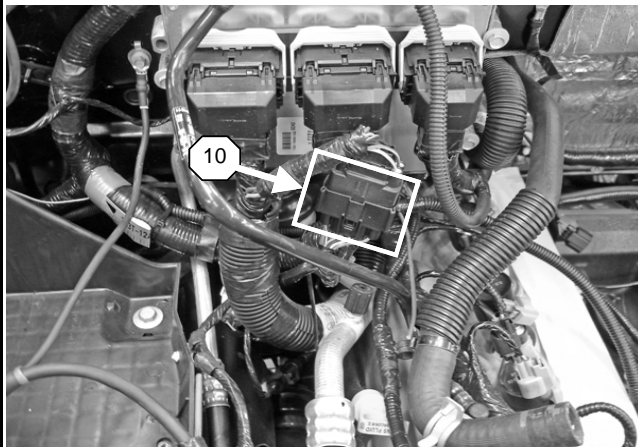
TORQUE

?

ITEM NUMBER



OPERATION



- 10 Disconnect the large connector just in front of the middle connector for the PCM (12-pin connector).
- 20 Unwrap the electrical tape back about 3" from the connector.
- 30 Slide heat shrink (B) over the blue wire and use a butt connector (A) and splice the blue wire from the fan harness in parallel into the gray/white wire (pin #7).
- 40 Slide the heat shrink over the butt connector and apply heat.
- 50 Re-wrap the wire harness with electrical tape and reconnect the connector making sure it is fully seated.

ITEM	PART NUMBER	QTY.	DESCRIPTION
A	00-1704-C09262*	1	16 Gauge, Seamless Butt Connector
B	00-1703-C07082*	1	Heat Shrink 1/4" Black

Notes:

TORQUE



SALEEN

PROCESS NAME

INSTALL THE WATER PUMP & FAN HARNESS
('05 & '06 MODELS)

PAGE

A
20-11



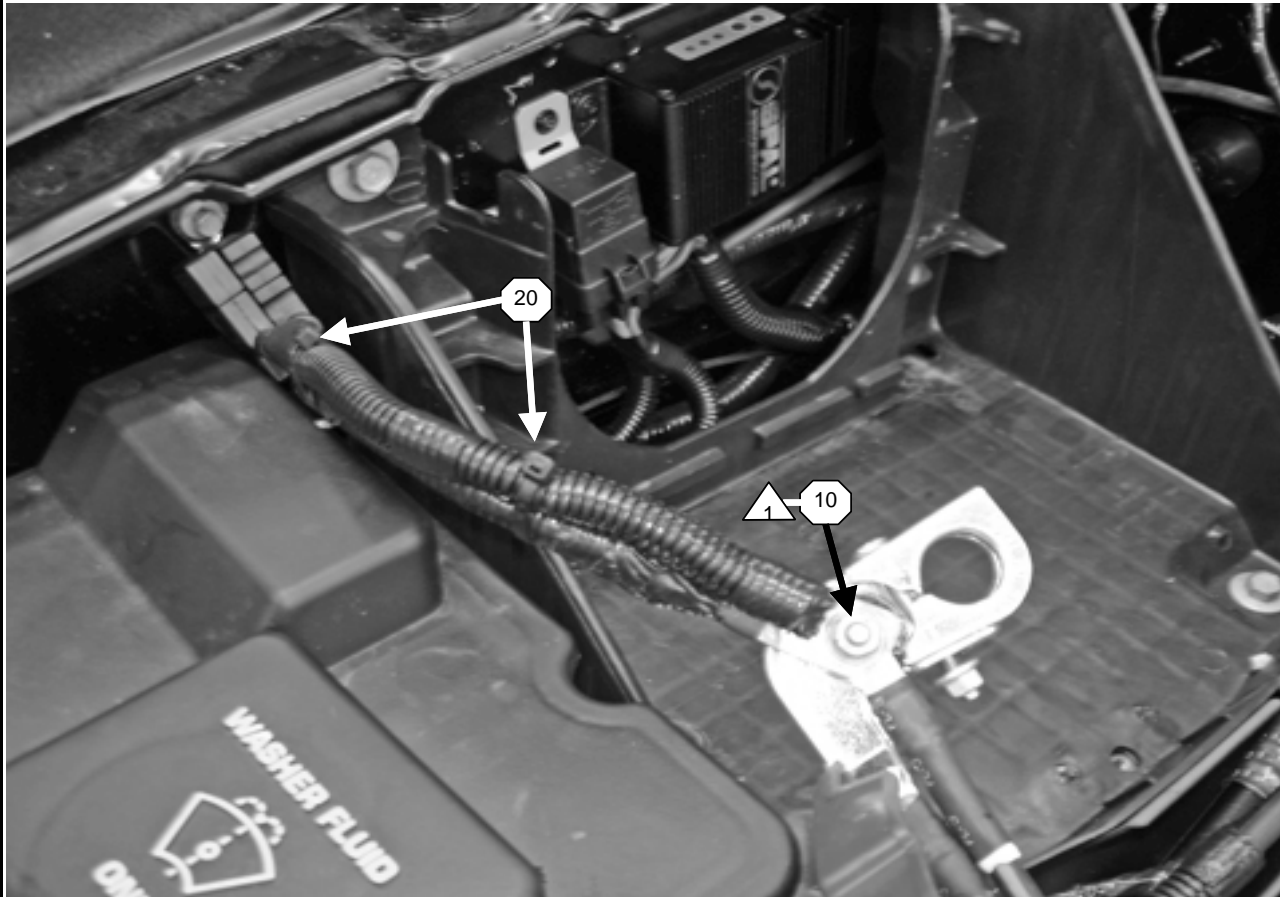
TORQUE



ITEM NUMBER



OPERATION



10

Fasten the main fan harness power lead to the accessory nut on the top of the positive battery cable clamp. **80 +/- 12 Lb-in**

20

Zip-tie (A) the fan harness to the positive battery cable as shown to retain the wire.

NOTICE: Once the battery is re-installed, connect the positive battery cable for the low speed harness. This procedure will be shown to you on Page 44 **A**.

ITEM	PART NUMBER	QTY.	DESCRIPTION
A	06-3001-B12429D	2	7" Zip Tie

TORQUE

1

80 +/- 12 Lb-in



SALEEN

PROCESS NAME

PAGE

INSTALL THE WATER PUMP & FAN
HARNESS
('05 & '06 MODELS)



Mandatory Torque Procedure

A

20-12

Notes:

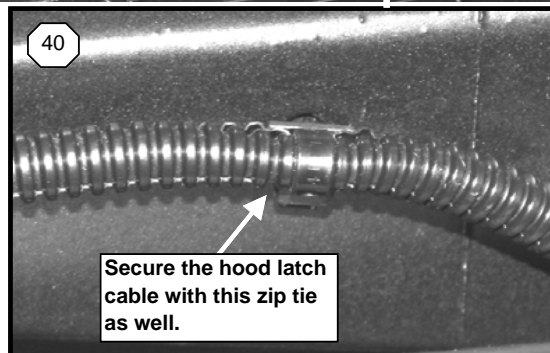
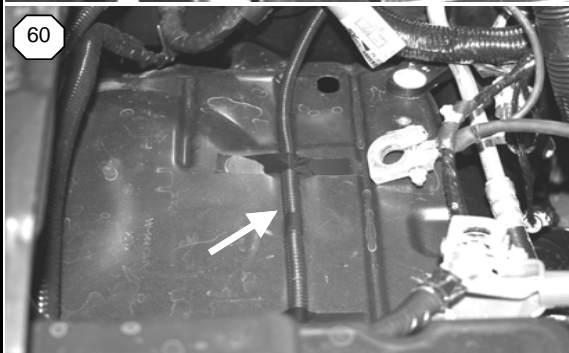
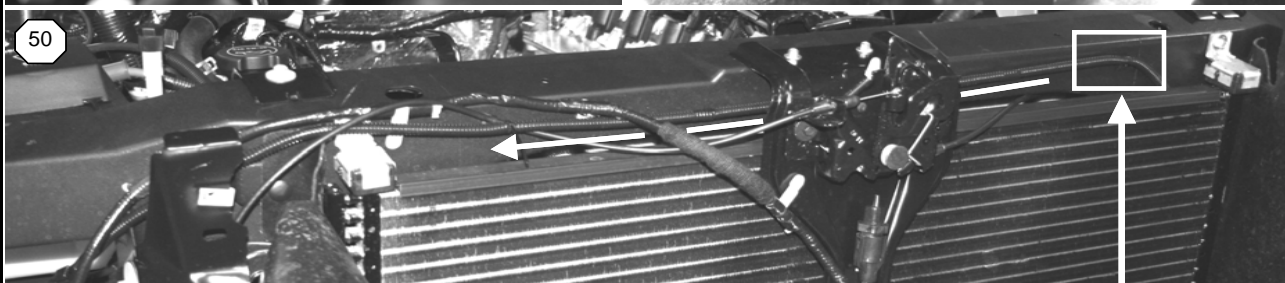
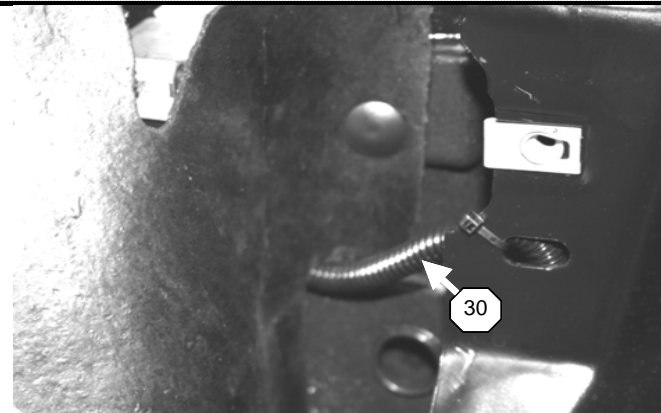


?

ITEM NUMBER



OPERATION



Notes:



Route Water Pump Harness (**A**) from the LH fog light area (near LH radiator closeout) upward to the top of the core support.



Install a zip-tie (**B**) near a J-clip (Headlamp Bracket) at the top of the core support.



Route the water pump harness between the LH radiator close-out and the core support.



Run the harness along the front of the core support and use a zip-tie w/ tree clip **(C)** to attach both the harness and the hood latch cable to the core support where the hood latch cable used to be.



Continue to run the harness along the front of the core support under the hood latch cable and underneath the latch bracket. Use a zip-tie **(B)** to hold the harness to the latch cable.



Run the harness through the RH Headlamp opening in the core support and route under the washer bottle and battery tray.

ITEM	PART NUMBER	QTY.	DESCRIPTION
A	08-1704-C15126C	1	Water Pump Harness
B	069-700	2	4 " Zip Tie
C	00-9007-C15326*	1	8.3" Zip Tie Tree Push Mount

TORQUE

**SALEEN**[illegible]

PAGE

INSTALL WATER PUMP HARNESS ('07 MODEL & UP)

B
20-

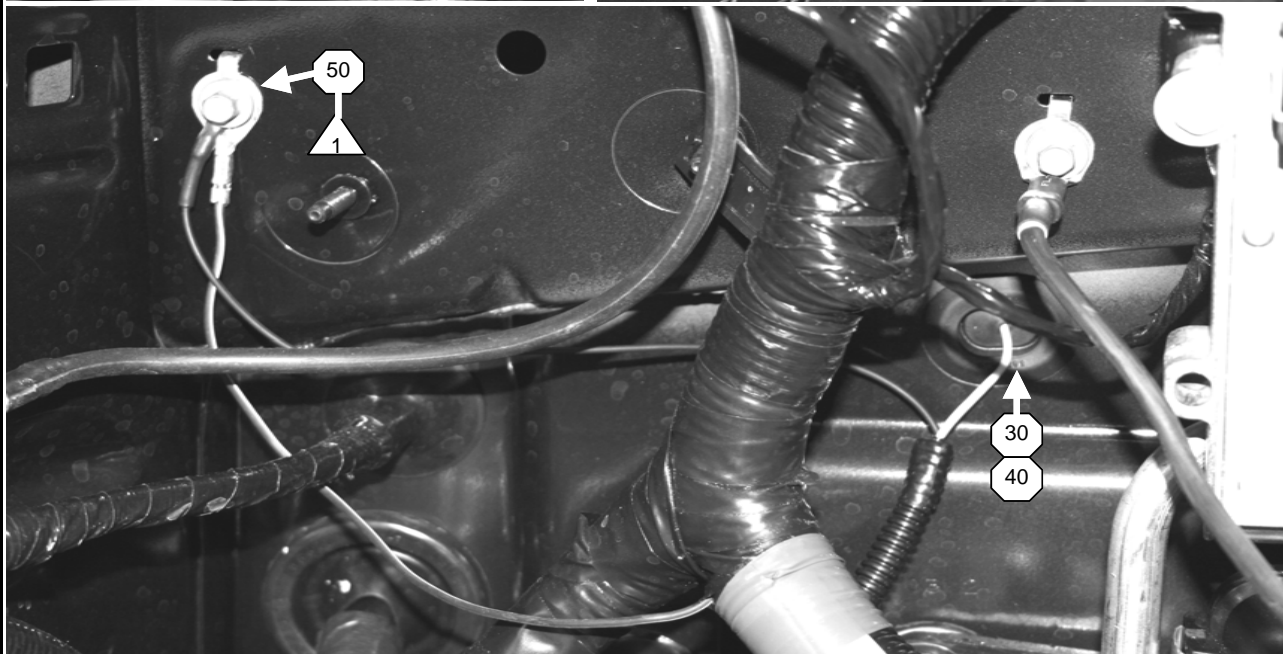
TORQUE

?

ITEM NUMBER



OPERATION



Notes:



Find the gromet on the RH side of the bulkhead behind the battery tray and under the ground bolt pictured.

20

Remove the gromet and cut a small "X" unto the center to route the water pump wire harness through.



Re-install the grommet into its hole in the bulkhead.




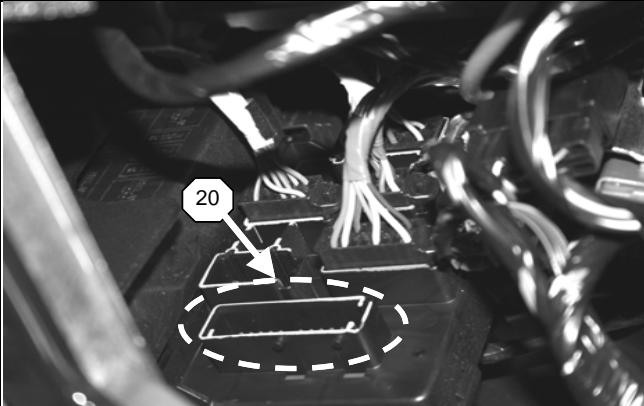
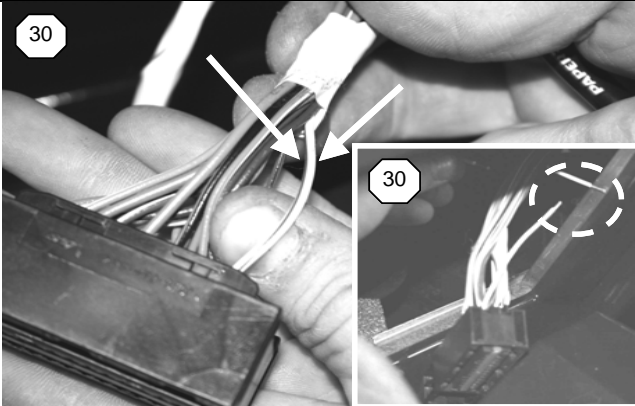
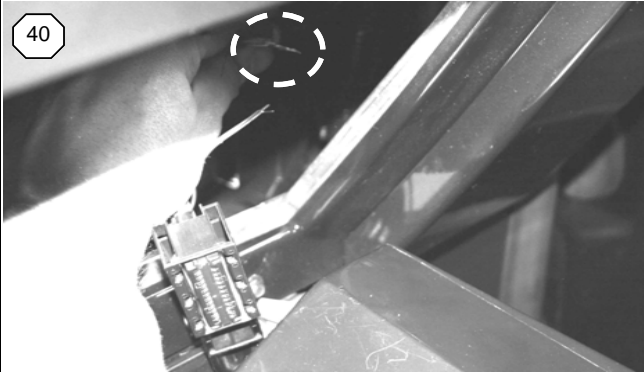
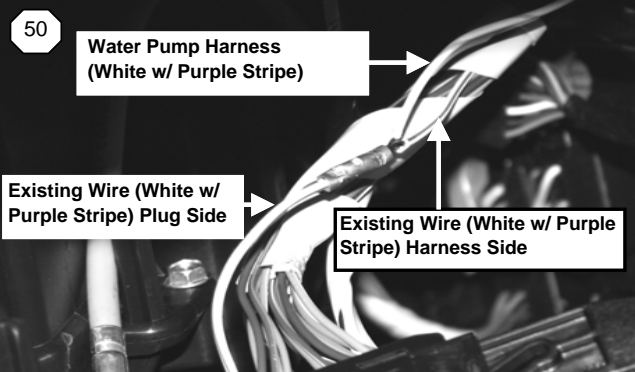















Apply Dow Corning black silicone #732 around the rubber grommet hole.



Attach the water pump harness ground ring terminal to the grounding bolt on the engine bulkhead closest to the RH inner fenderwell as shown. **9 +/- 1.35 Lb-ft**

[illegible]

 TORQUE	 ITEM NUMBER	 OPERATION																																																												
	20																																																													
	30																																																													
	40																																																													
	50																																																													
	60																																																													
<p>Notes:</p> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/>																																																														
<table><thead><tr><th>ITEM</th><th>PART NUMBER</th><th>QTY.</th><th>DESCRIPTION</th></tr></thead><tbody><tr><td> A</td><td>00-1704-C09262*</td><td>1</td><td>16 Gauge, Seamless Butt Connector</td></tr><tr><td> B</td><td>00-1703-C07082*</td><td>1</td><td>Heat Shrink 1/4" Black</td></tr><tr><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr></tbody></table> <table><thead><tr><th colspan="2">TORQUE</th><th colspan="2"></th></tr></thead><tbody><tr><td></td><td></td><td>PROCESS NAME</td><td>PAGE</td></tr><tr><td></td><td></td><td>INSTALL WATER PUMP HARNESS ('07 MODEL & UP)</td><td> 20-3</td></tr><tr><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr></tbody></table>			ITEM	PART NUMBER	QTY.	DESCRIPTION	 A	00-1704-C09262*	1	16 Gauge, Seamless Butt Connector	 B	00-1703-C07082*	1	Heat Shrink 1/4" Black																									TORQUE						PROCESS NAME	PAGE			INSTALL WATER PUMP HARNESS ('07 MODEL & UP)	 20-3												
ITEM	PART NUMBER	QTY.	DESCRIPTION																																																											
 A	00-1704-C09262*	1	16 Gauge, Seamless Butt Connector																																																											
 B	00-1703-C07082*	1	Heat Shrink 1/4" Black																																																											
TORQUE																																																														
		PROCESS NAME	PAGE																																																											
		INSTALL WATER PUMP HARNESS ('07 MODEL & UP)	 20-3																																																											

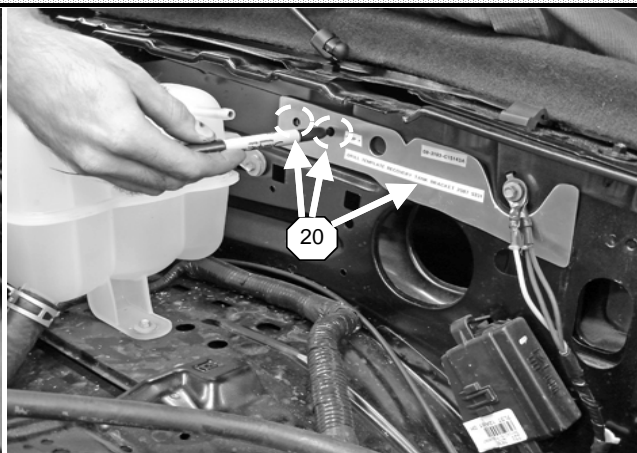
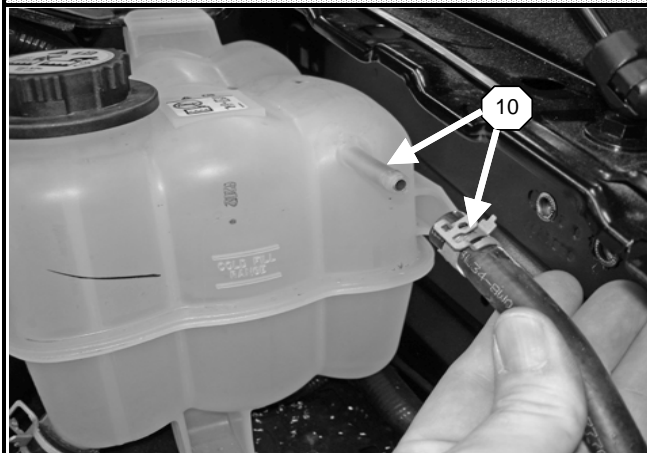
TORQUE

?

ITEM NUMBER



OPERATION



10

Disconnect the upper hose from the engine coolant reservoir.

20

Use the included template **(A)** located on **Page 50** to mark the holes to be drilled.

30

Drill two .375" holes.

40

Apply 3M Body Schutz to the drilled hole edges.

[illegible]

Notes:



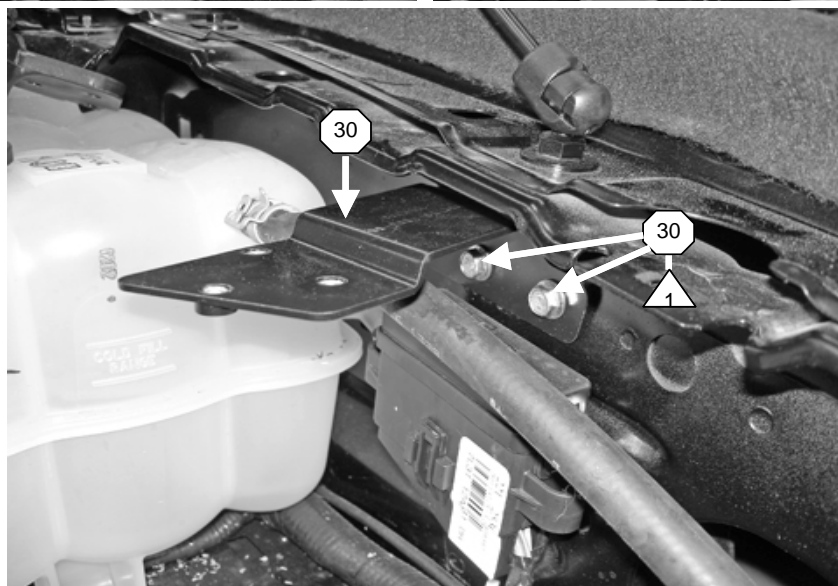
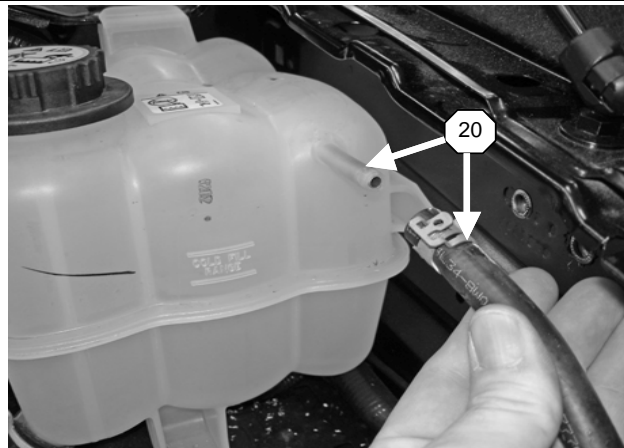
TORQUE

?

ITEM NUMBER



OPERATION



Notes:

10

Install two M6 rivnuts (A) into the drilled holes.

20

Re-install the engine coolant reservoir upper hose.

30

Install intercooler reservoir support bracket (B) with two bolts (C).
80 +/- 12 Lb-in

ITEM	PART NUMBER	QTY.	DESCRIPTION
A	00-9006-C14542*	2	Rivet Nut M6X1.0, Zinc-Plated Steel
B	08-2001-C14394B	1	Bracket, Intercooler Tank
C	00-9001-C10141*	2	Capscrew Hex Flng M6x1.0mm 25mm

TORQUE

1

80 +/- 12 Lb-in



SALEEN

PROCESS NAME

PAGE

INSTALL RECOVERY TANK
BRACKET

Mandatory Torque Procedure

22



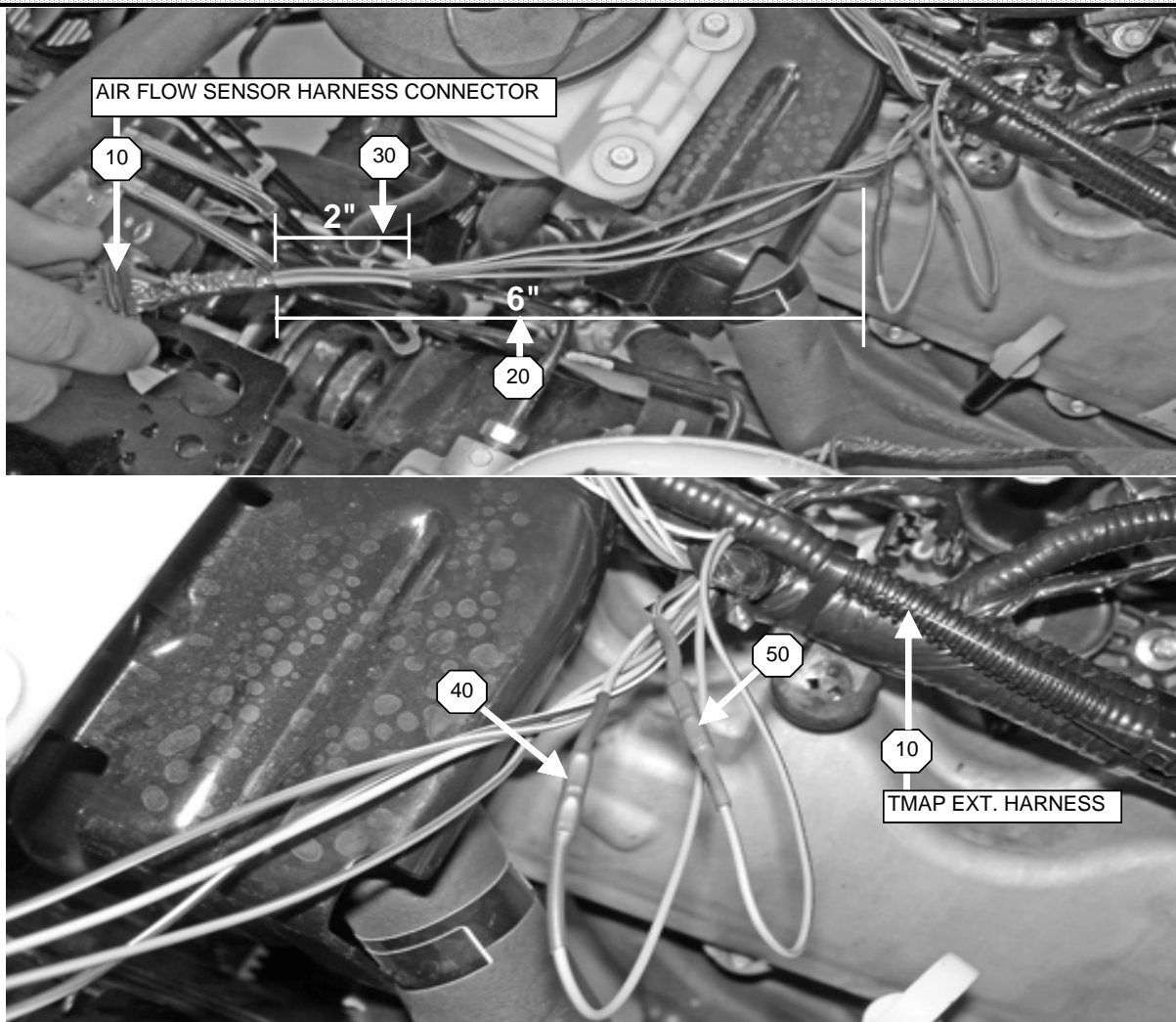
TORQUE

?

ITEM NUMBER



OPERATION



- 10 Connect the TMAP sensor harness **(A)** by locating the air flow sensor harness/connector (the one that plugs into the top of the air filter housing on the driver's side).
- 20 Remove the tape/corrugate from the air flow sensor harness (about six inches back from the connector) to access the wires.
- 30 Cut the gray and gray/red wires about two inches back from the connector. Cut the wires staggered. The cut wires on the connector side will not be used. They are to be taped up in the original harness.
- 40 Butt connect **(B)** the gray wire from the TMAP harness to the gray wire that you cut in the air flow sensor harness. Cover the connection with heat shrink tubing **(C)**.
- 50 Butt connect **(B)** the gray/red wire from the TMAP harness to the gray/red wire that you cut in the air flow sensor harness. Cover the connection with heat shrink tubing **(C)**.
- 60 Re-install the corrugate on the air flow sensor harness, then wrap it with electrical tape.

ITEM	PART NUMBER	QTY.	DESCRIPTION
A	08-1704-C15501B	1	Harness, TMAP Sensor Extension
B	00-1704-C09260*	2	18 Gauge, Butt Connector
C	00-1703-C07082*	2.5 "	Heat Shrink, Dual Wall 1/4" Black

Notes:

TORQUE



SALEEN

PROCESS NAME

INSTALL TMAP EXTENSION
HARNESS

PAGE



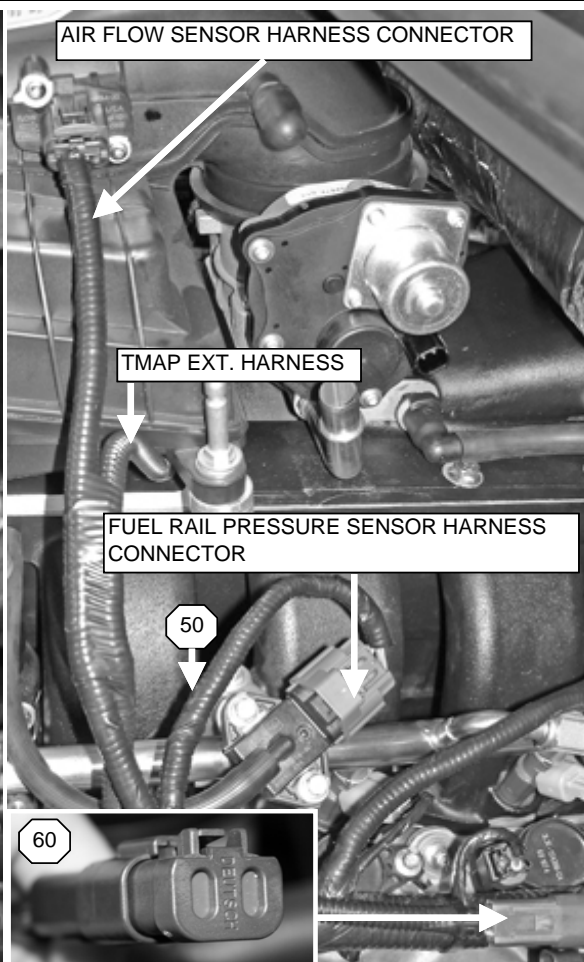
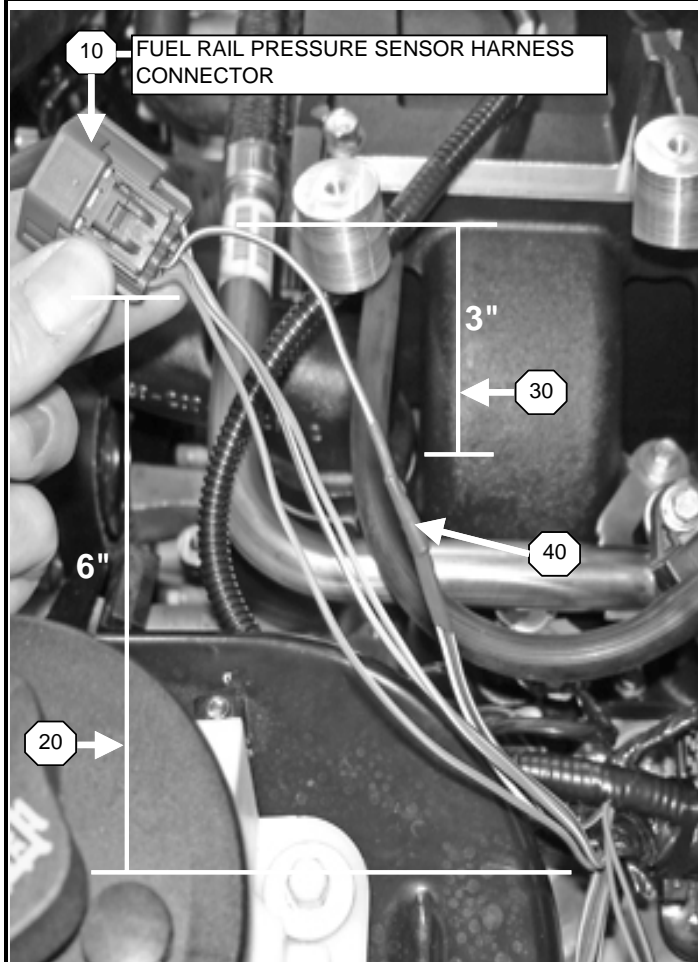
TORQUE

?

ITEM NUMBER



OPERATION



10

Locate the fuel rail pressure sensor harness/connector (the one that connects to the fuel rail on the driver' side).

20

Remove the tape from the fuel rail pressure sensor harness (about six inches back from the connector) to access the wires.

30

Cut the brown/white wire about three inches back from the connector.

40

Butt connect **(B)** the brown/white wire from the TMAP harness **(A)** in line (parallel) with the brown/white wire that you cut in the fuel rail pressure sensor harness. Cover the connection with heat shrink tubing **(C)**.

50

Re-install the corrugate, wrap the fuel rail pressure sensor harness with electrical tape, and connect TMAP to the gauge pod harness.

60

Leave the plug (installed by supplier) in the end of the TMAP harness and secure with zip-tie **(D)**.

ITEM	PART NUMBER	QTY.	DESCRIPTION
A	08-1704-C15501B	1	Harness, TMAP Sensor Extension
B	00-1704-C09262*	1	16 Gauge, Seamless Butt Connector
C	00-1703-C07082*	1	Heat Shrink 1/4" Black
D	06-3001-B12429D	1	7" Zip Tie

Notes:

TORQUE










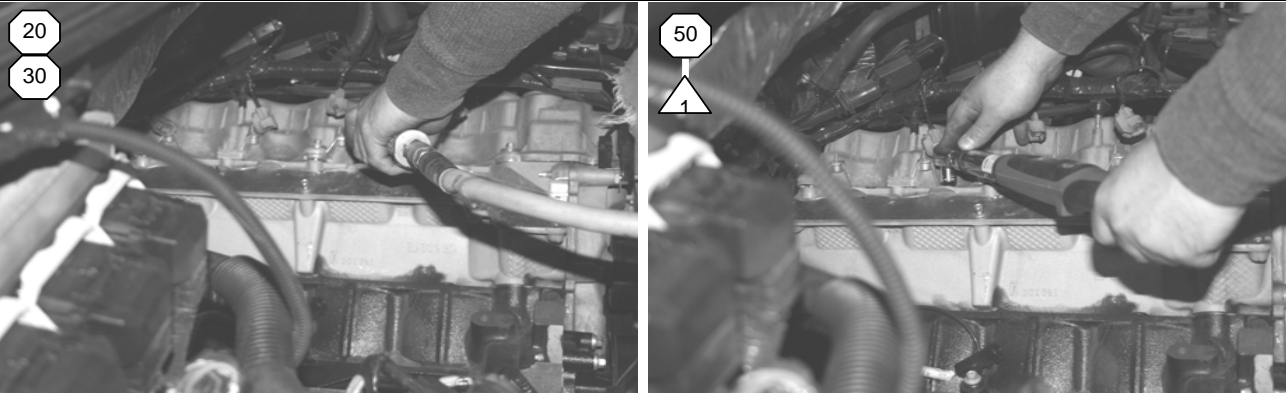






SALEEN

PROCESS NAME

INSTALL TMAP EXTENSION
HARNESS

PAGE

23-2

 TORQUE	 ITEM NUMBER	 OPERATION	
 20  30		 50  1	
			
			
<p>Notes:</p> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div>			
<div><div><div><div>10</div><div>Remove the eight ignition coil bolts.</div></div><div><div>20</div><div>Once bolts are removed, pull up on the coils. Once the coil comes loose from the spark plug, move the coil off to the side (You don't need do disconnect the coil from the harness).</div></div><div><div>30</div><div>Remove the 8 stock spark plugs.</div></div><div><div>40</div><div>Retrieve the eight new spark plugs (A) and apply anti-seize to the threads.</div></div><div><div>50</div><div>Insert eight new spark plugs (A) and fasten down with a torque wrench. 25 +/- 3.7 Lb-ft</div></div><div><div>60</div><div>Re-install ignition coils with the eight stock coil bolts. 53 +/- 8 Lb-in</div></div></div></div>			
ITEM	PART NUMBER	QTY.	DESCRIPTION
	00-1601-C13394*	8	Spark Plug HTO
TORQUE			
 1	25 +/- 3.7 Lb-ft	PROCESS NAME	
		PAGE	
 2	53 +/- 8 Lb-in	REPLACE SPARK PLUGS	
		 Mandatory Torque Procedure	
		24	



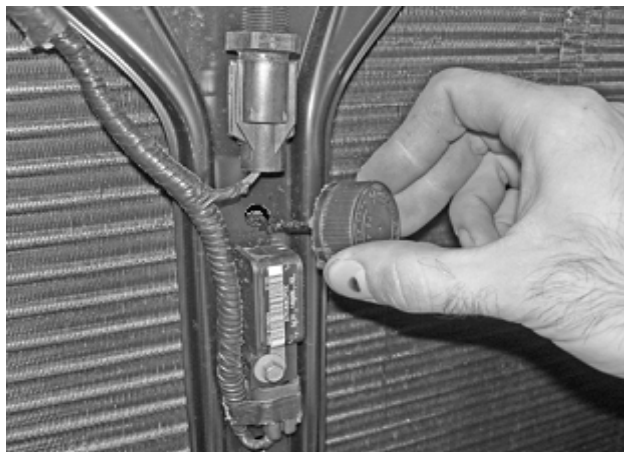
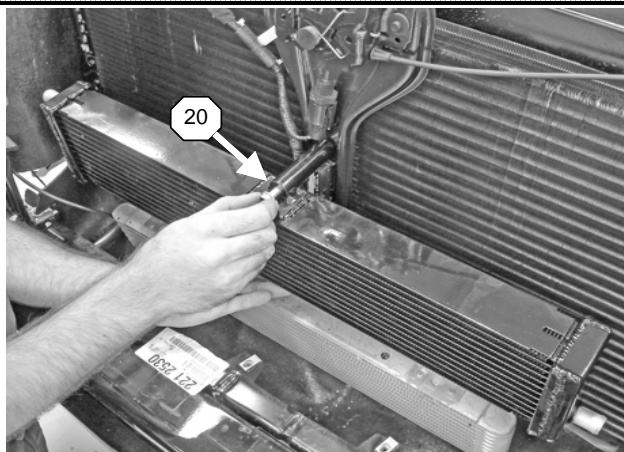
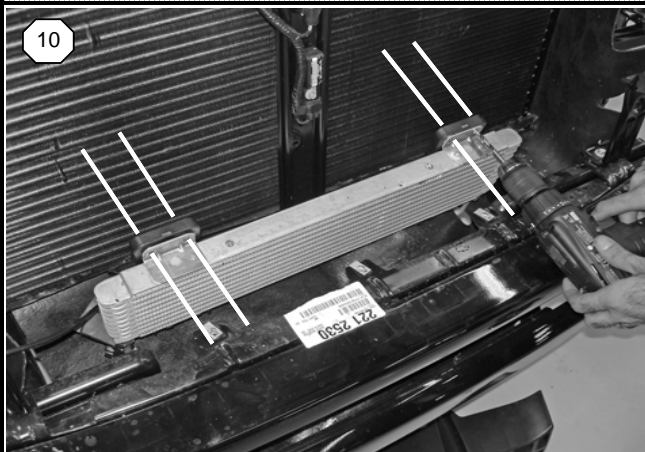
TORQUE



ITEM NUMBER



OPERATION



10

Drill out / through four plastic rivets that secure the top of the transmission cooler with a drill bit size 21/64".

20

Temporarily install the supercharger heat exchanger **(A)** with two lower bolts, then use the top mounting bolt to score a mark on core support that will need to be drilled.


30

Protect the AC condenser and drill a hole in the core support using a drill bit size Letter-O .136".

40

Apply 3M Body Schutz to the drilled hole edges.

NOTE: When drilling through the plastic rivets on the transmission cooler, it is recommended that a 90 degree drill is used since there is very little clearance between the front bumper cover and the cooler. If you do not have a 90 degree drill or cannot obtain one, you may need to remove the front bumper cover to get the clearance needed to use a standard drill.

ITEM	PART NUMBER	QTY.	DESCRIPTION
A	08-2001-C14396B	1	Heat Exchanger
TORQUE			 SALEEN
		PROCESS NAME	PAGE
		INSTALL HEAT EXCHANGER	

25-1

Notes:



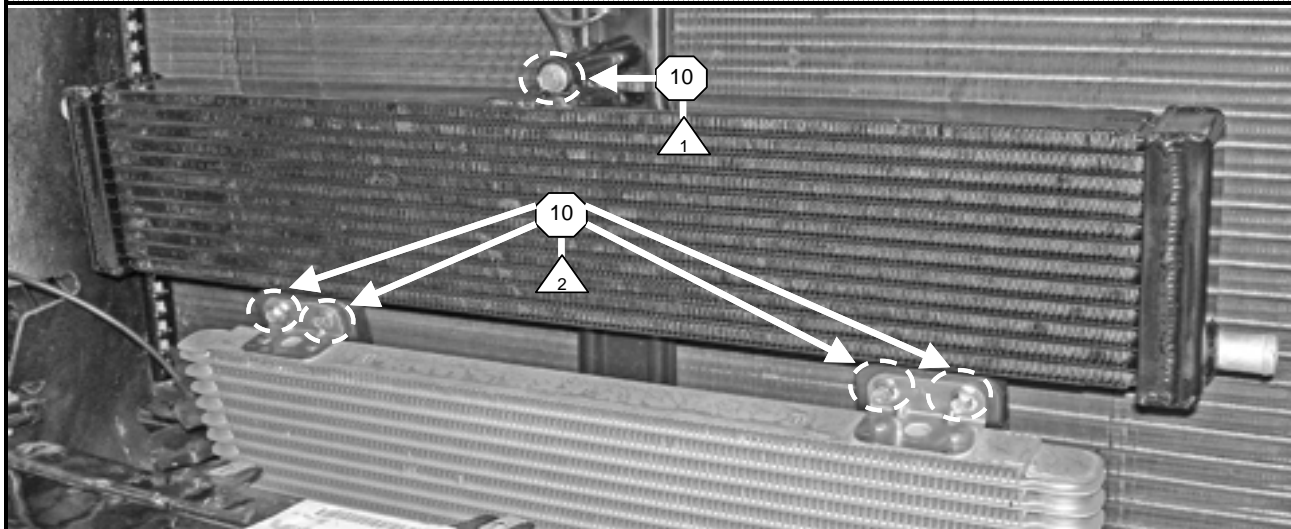
TORQUE

?

ITEM NUMBER



OPERATION



10

Install the supercharger heat exchanger with four M6 bolts (A) at the bottom:

53 +/- 8 Lb-in

Slide the M8 bolt (B) through the heat exchanger and core support at the top. Slide the washer (C) onto the back of the bolt and thread on the designated nut (D):

18 +/- 2.7 Lb-ft

ITEM	PART NUMBER	QTY.	DESCRIPTION
A	00-9001-C10141*	4	Capscrew Hex Flng M6x1.0mm 25mm
B	069-955	1	Capscrew Hex Flng M8x1.25mm 90mm
C	00-9004-C17170*	1	Washer
D	00-9003-C17169*	1	M8 Nylock Nut

TORQUE

1

18 +/- 2.7 Lb-ft

2

53 +/- 8 Lb-in

**SALEEN**

PROCESS NAME

PAGE

INSTALL HEAT EXCHANGER

Mandatory Torque Procedure

25-2

Notes:

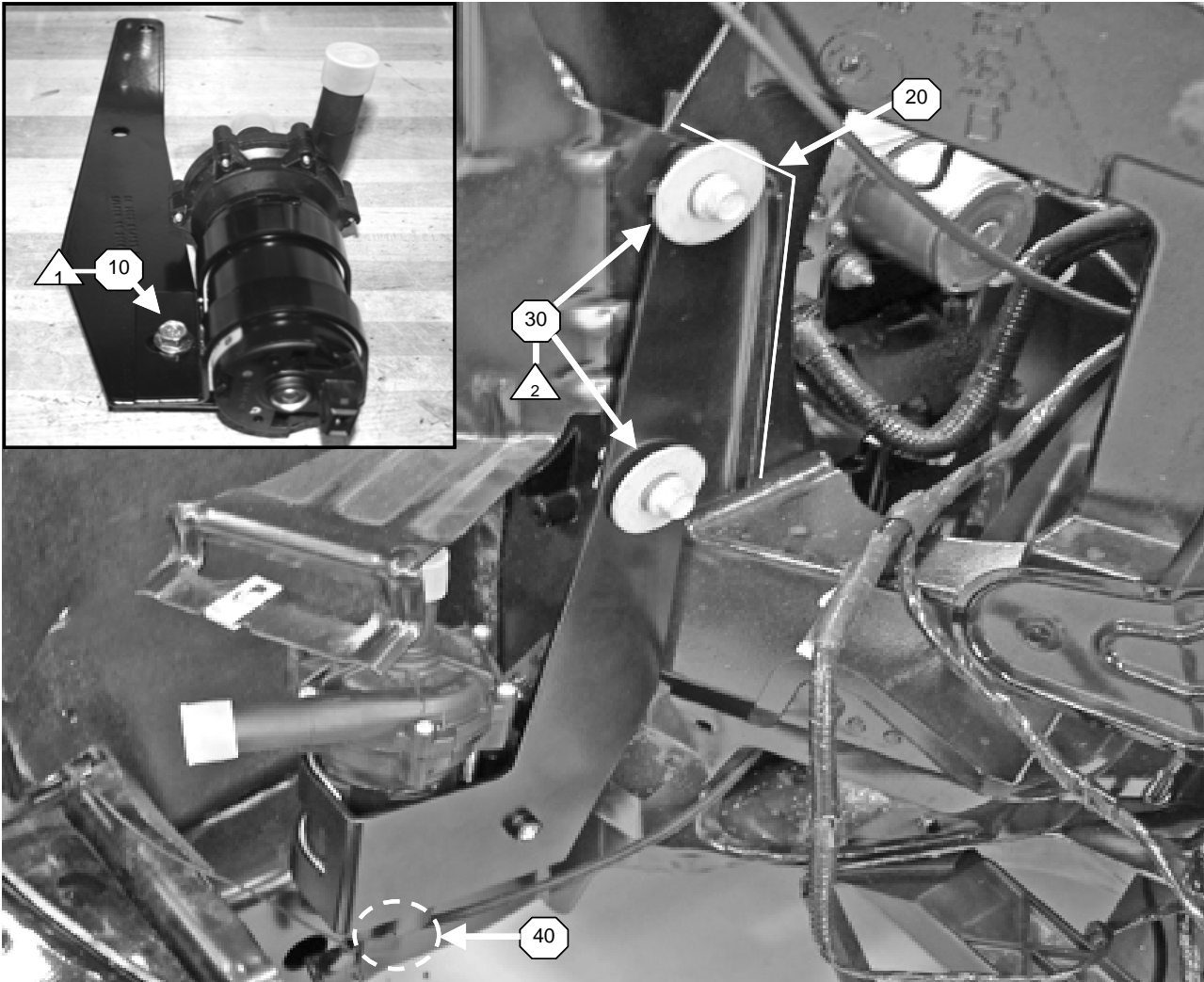


?

ITEM NUMBER



OPERATION



Notes:

Install the supercharger intercooler water pump (A) to its bracket (B) with one bolt (C). 120 +/- 18 Lb-in

Draw an outline on the core support where the headlamp bracket meets the core support.

Then install the intercooler water pump assembly with the two existing bolts for the LH headlamp bracket. Line the headlamp bracket up to the line you had drawn in step [20]. This will help preserve headlamp alignment. **91 +/- 13.6 Lb-in**

Connect the water pump harness connector **(D)**.

ITEM	PART NUMBER	QTY.	DESCRIPTION
A	00-2002-C09991*	1	Intercooler Water Pump
B	08-2002-C14537A	1	Bracket, Water Pump
C	00-9001-C10064*	1	Capscrew Hex Flng M8x1.25mm 20mm
D	08-1704-C15126C	1	Harness, Water Pump

TORQUE

**SALEEN**

Δ 120 +/- 18 Lb-in

91 +/- 13.6 Lb-in

	PROCESS NAME
1	Process A
2	Process B
3	Process C
4	Process D
5	Process E
6	Process F
7	Process G
8	Process H
9	Process I
10	Process J
11	Process K
12	Process L
13	Process M
14	Process N
15	Process O
16	Process P
17	Process Q
18	Process R
19	Process S
20	Process T
21	Process U
22	Process V
23	Process W
24	Process X
25	Process Y
26	Process Z
27	Process AA
28	Process AB
29	Process AC
30	Process AD
31	Process AE
32	Process AF
33	Process AG
34	Process AH
35	Process AI
36	Process AJ
37	Process AK
38	Process AL
39	Process AM
40	Process AN
41	Process AO
42	Process AP
43	Process AQ
44	Process AR
45	Process AS
46	Process AT
47	Process AU
48	Process AV
49	Process AW
50	Process AX
51	Process AY
52	Process AZ
53	Process BA
54	Process BB
55	Process BC
56	Process BD
57	Process BE
58	Process BF
59	Process BG
60	Process BH
61	Process BI
62	Process BJ
63	Process BK
64	Process BL
65	Process BM
66	Process BN
67	Process BO
68	Process BP
69	Process BQ
70	Process BR
71	Process BS
72	Process BT
73	Process BU
74	Process BV
75	Process BW
76	Process BX
77	Process BY
78	Process BZ
79	Process CA
80	Process CB
81	Process CC
82	Process CD
83	Process CE
84	Process CF
85	Process CG
86	Process CH
87	Process CI
88	Process CJ
89	Process CK
90	Process CL
91	Process CM
92	Process CN
93	Process CO
94	Process CP
95	Process CQ
96	Process CR
97	Process CS
98	Process CT
99	Process CU
100	Process CV
101	Process CW
102	Process CX
103	Process CY
104	Process CZ
105	Process DA
106	Process DB
107	Process DC
108	Process DD
109	Process DE
110	Process DF
111	Process DG
112	Process DH
113	Process DI
114	Process DJ
115	Process DK
116	Process DL
117	Process DM
118	Process DN
119	Process DO
120	Process DP
121	Process DQ
122	Process DR
123	Process DS
124	Process DT
125	Process DU
126	Process DV
127	Process DW
128	Process DX
129	Process DY
130	Process DZ
131	Process EA
132	Process EB
133	Process EC
134	Process ED
135	Process EE
136	Process EF
137	Process EG
138	Process EH
139	Process EI
140	Process EJ
141	Process EK
142	Process EL
143	Process EM
144	Process EN
145	Process EO
146	Process EP
147	Process EQ
148	Process ER
149	Process ES
150	Process ET
151	Process EU
152	Process EV
153	Process EW
154	Process EX
155	Process EY
156	Process EZ
157	Process FA
158	Process FB
159	Process FC
160	Process FD
161	Process FE
162	Process FF
163	Process FG
164	Process FH
165	Process FI
166	Process FJ
167	Process FK
168	Process FL
169	Process FM
170	Process FN
171	Process FO
172	Process FP
173	Process FQ
174	Process FR
175	Process FS
176	Process FT
177	Process FU
178	Process FV
179	Process FW
180	Process FX
181	Process FY
182	Process FZ
183	Process GA
184	Process GB
185	Process GC
186	Process GD
187	Process GE
188	Process GF
189	Process GG
190	Process GH
191	Process GI
192	Process GJ
193	Process GK
194	Process GL
195	Process GM
196	Process GN
197	Process GO
198	Process GP

PAGE

INSTALL WATER PUMP



Mandatory Torque Procedure

26



TORQUE



ITEM NUMBER



OPERATION

DRIVER SIDE (LH)



PASSENGER SIDE (RH)



Notes:

10

Take the removed closeouts and retrieve the templates.

20


Place the template **(A)** Driver side (LH) & **(B)** Passenger side (RH) over the close out and line it up. Templates are located on **Pages 51 & 52**.

30

Mark the hole to be cut.

40

Then place the closeout over a wooden block (to protect the counter top) and use a hole-saw (35mm dia.) to drill the hole for H/E hoses.

ITEM	PART NUMBER	QTY.	DESCRIPTION
A	N/A	1	Template, Rad Closeout, LH (Pg. 51)
B	N/A	1	Template, Rad Closeout, RH (Pg. 52)
TORQUE			
		PROCESS NAME	PAGE
		MODIFY & INSTALL RADIATOR CLOSEOUTS	27-1



?

ITEM NUMBER



10

Bring the modified closeouts (LH & RH) to their corresponding sides.

20

Attach the push-pins (5 Per Side) into their appropriate holes (LH Shown).

30

Leave the pin-type retainer at the very top loose. It will be attached when the headlamps are installed.

[illegible]

Notes:



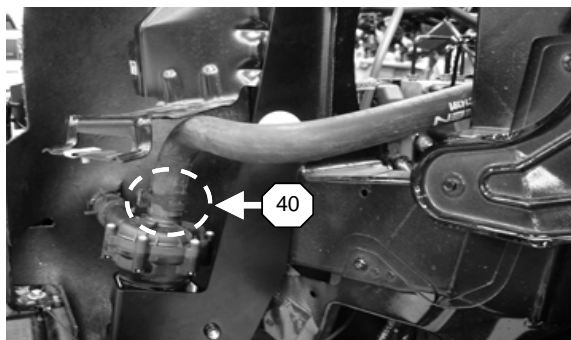
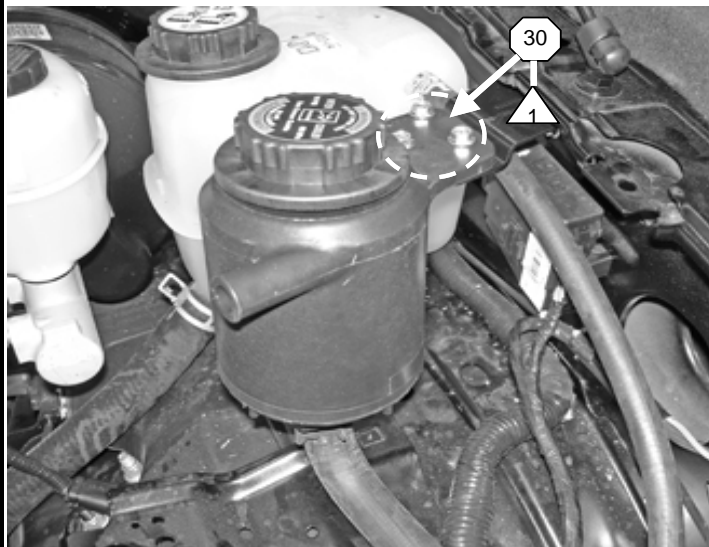
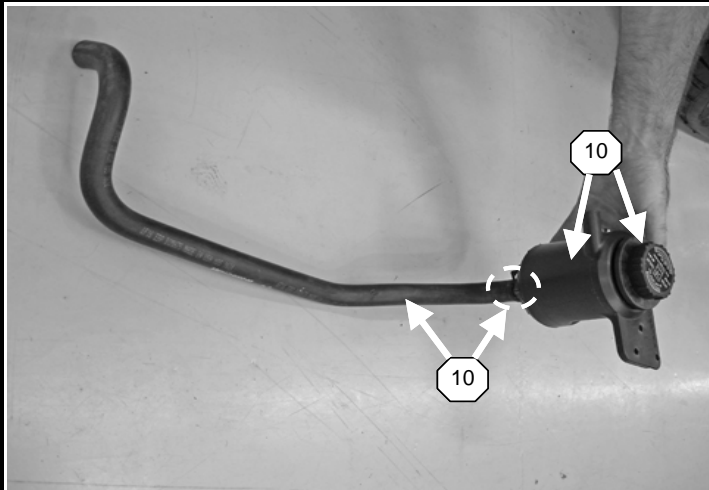
TORQUE

?

ITEM NUMBER



OPERATION



Notes:

20

10

Install hose (A) to the bottom outlet of the intercooler reservoir tank (B) and cap (C) with one clamp (D).

20

Route the intercooler reservoir outlet hose (A) through the rectangular hole in the core support and towards the intercooler water pump.

30

Install the intercooler reservoir tank to the support bracket with three bolts (E). 91 +/- 13.6 Lb-in

40

Install the intercooler reservoir lower outlet hose to the intercooler water pump inlet port with one clamp (D).

ITEM	PART NUMBER	QTY.	DESCRIPTION
[A]	08-2003-C14391B	1	Hose, Tank To W/P
[B]	06-2001-C10212E	1	Tank Intercooler Recovery
[C]	00-2001-C09994*	1	Cap Tank
[D]	00-2003-C10068*	2	Hose Clamp
[E]	00-9001-C10141*	3	Capscrew Hex Flng M6x1.0mm 25mm

TORQUE

1

91 +/- 13.6 Lb-in



SALEEN

PROCESS NAME

PAGE

INSTALL RECOVERY TANK &
HOSES

Mandatory Torque Procedure

28-1



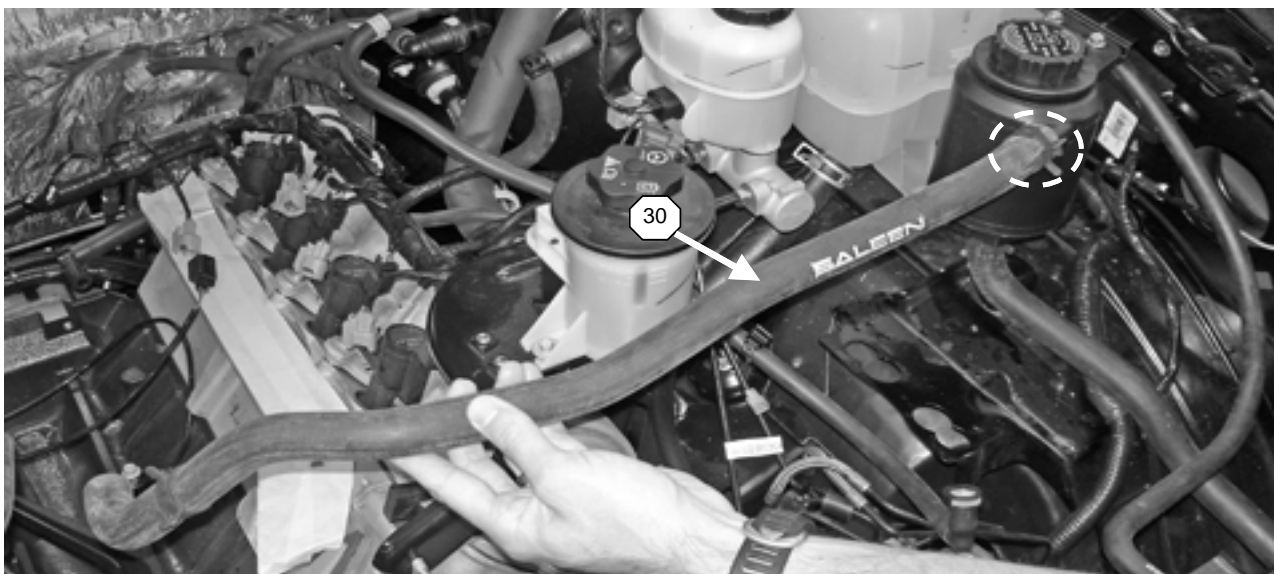
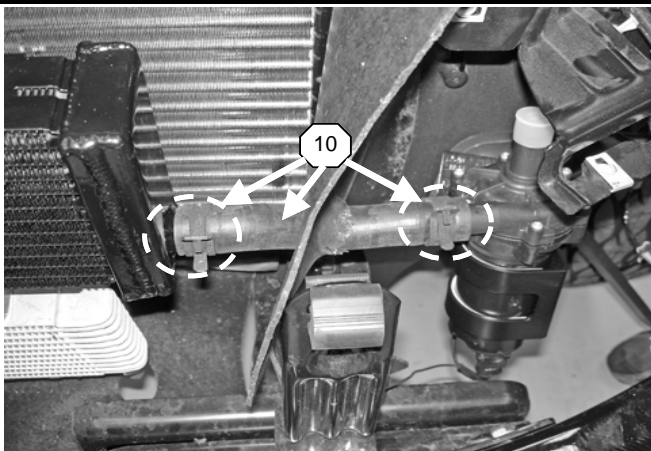
TORQUE

?

ITEM NUMBER



OPERATION



10

Install hose (A) between the intercooler water pump outlet port and the heat exchanger inlet port by routing through the LH closeout and secure with two clamps (B).

20

Route hose (C) through both the passenger side core support rectangular hole and RH closeout before connecting it to the heat exchanger outlet port with one clamp (B).

30

Connect hose (D) to the upper port of the intercooler reservoir tank with one clamp (B).

ITEM	PART NUMBER	QTY.	DESCRIPTION
A	08-2003-C14392B	1	Hose, W/P To H/E
B	00-2003-C10068*	4	Hose Clamp
C	08-2003-C14393B	1	Hose, H/E To I/C
D	08-2003-C14390B	1	Hose, I/C To Tank

Notes:

TORQUE



SALEEN

PROCESS NAME

INSTALL RECOVERY TANK &
HOSES

PAGE

28-2



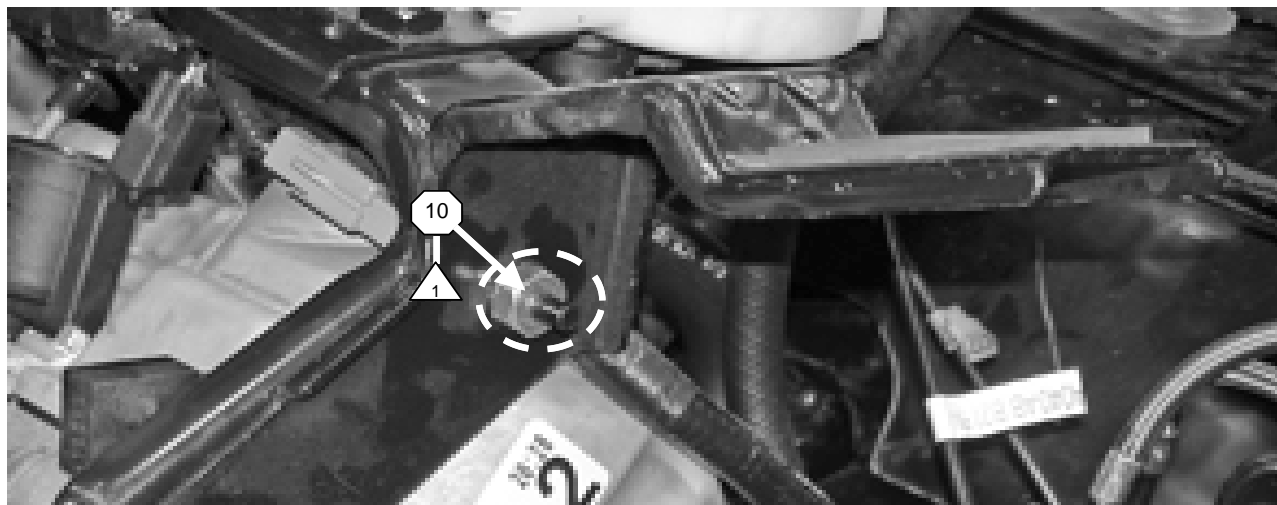
TORQUE

?

ITEM NUMBER



OPERATION



10

Bolt the zip tube bracket to the power steering reservoir bracket with the top nut. **8 +/- 1.2 Lb-ft**

20

Leave the bottom nut of the lower zip tube bracket off. The stud for that nut will be removed on the next page.

ITEM	PART NUMBER	QTY.	DESCRIPTION

Notes:

TORQUE

1

8 +/- 1.2 Lb-ft



SALEEN

PROCESS NAME

PAGE

RE-INSTALL ZIP TUBE BRACKET



Mandatory Torque Procedure

29



?

ITEM NUMBER



10

Remove two drive belt idler pulleys. Discard the bottom grooved pulley and install the top smooth pulley in the lower position.

18 +/- 2.7 Lb-ft

20

Remove and discard the driver's side timing chain cover upper inboard stud and nut.

ITEM	PART NUMBER	QTY.	DESCRIPTION

TORQUE

	18 +/- 2.7 Lb-ft

PROCESS NAME

INSTALL ALTERNATOR MOUNTING KIT

Mandatory Torque Procedure

PAGE

30-1

Notes:

SALEEN

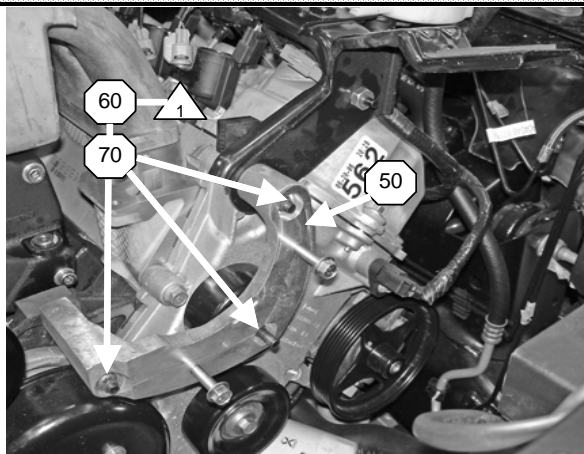
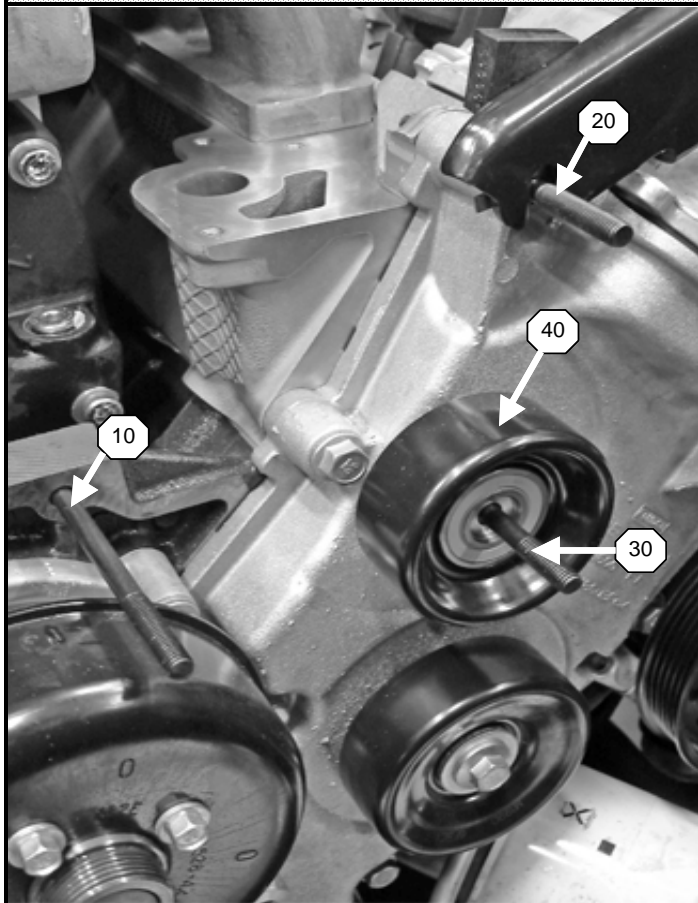
PROCESS NAME

PAGE

INSTALL ALTERNATOR MOUNTING KIT



Mandatory Torque Procedure



NOTICE: Make sure the lower zip tube bracket does **NOT** contact the engine valve cover once the spacer is installed in **OPERATION 20**.

- 10

Apply red Loctite #262 to the stud with un-equal length threads (110mm long) **(A)**, and install the stud to the front of the engine.

20

Apply red Loctite #262 to the stud with equal length threads (110mm long) **(B)**, and install the stud to the front of the engine. Then slide the spacer **(C)** over the stud, and then the lower zip tube bracket next.

30

Apply red Loctite #262 to the stud (65mm long) **(D)**, and install the stud to the front of the engine.

40

Slide the new smooth idler pulley **(E)** over the stud. It will be secured in place with the alternator bracket.

50

Install the new alternator bracket **(F)** by sliding it over the three studs.

60

Apply red Loctite #262 to the exposed threads on the three bracket mounting studs.

70

Slide a washer **(G)** over each mounting stud and install a nut **(H)** on each mounting stud. **18 +/- 2.7 Lb-ft**

ITEM	PART NUMBER	QTY.	DESCRIPTION
<div>A</div>	00-9002-C11089*	1	Stud Blk Ox M8x1.25x110mm Unequal
<div>B</div>	00-2002-C10091*	1	Stud Blk Ox M8 x 1.25 x 110mm
<div>C</div>	08-9004-C15801A	1	Spacer .196" Thick .35" ID
<div>D</div>	00-9002-C11090*	1	Stud Blk Ox M8 x 1.25 x 65mm
<div>E</div>	178-428	1	Alternator Idler Pulley, 76MM
<div>F</div>	08-1604-C14255D	1	Alternator Mount Machined
<div>G</div>	00-9004-C15732*	3	Washer AN SS 5/16" Alternator Mount
<div>H</div>	00-9003-C15727*	3	Nut M8 X 1.25 Locknut

Notes:



TORQUE



ITEM NUMBER



OPERATION



10

Uncover head ports.


20

Use brake clean and a rag to clean the head where the supercharger assembly will mate to the head.

30

Inspect each head port (**with a light and a mechanics magnet**) for debris and other foreign objects before installing the supercharger assembly (RH Shown).

Notes:

ITEM	PART NUMBER	QTY.	DESCRIPTION
TORQUE			
		PROCESS NAME	PAGE
		PERFORM PORT INSPECTION	



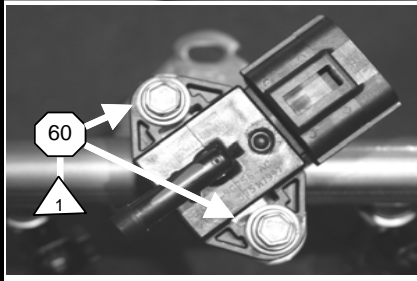
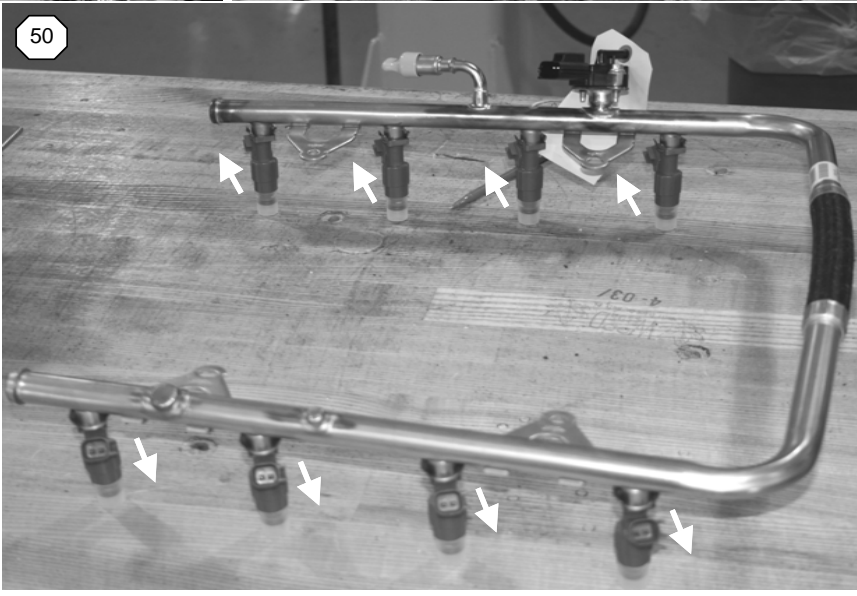
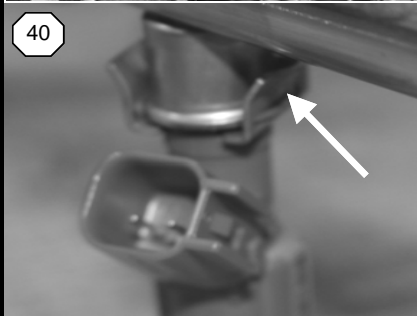
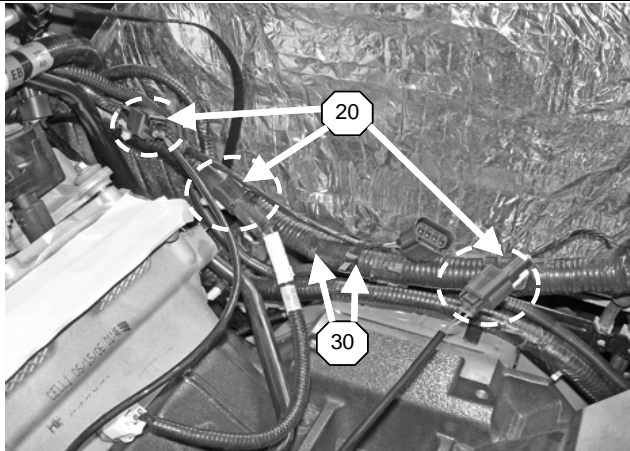
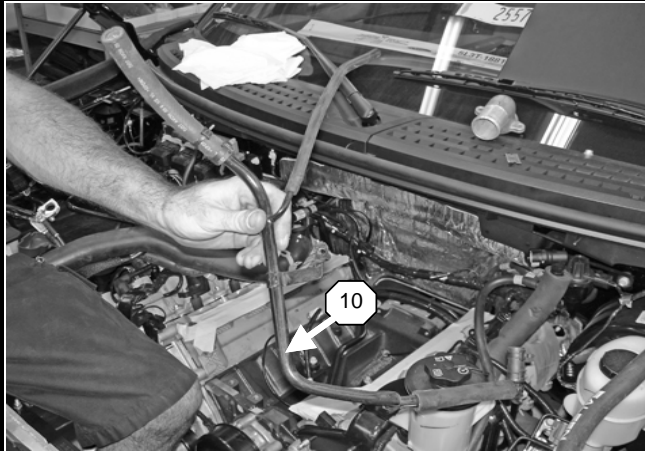
TORQUE

?

ITEM NUMBER



OPERATION



10

Remove the brake booster vacuum hose/tube assembly (it will not be re-used).

20

Re-connect the knock sensor harness connectors and the cylinder head temp sensor harness connector.

30

Secure the IMRC connector to the main harness with two tie wraps (it will not be re-used).

40

Retrieve the new fuel rail (A) and the eight new fuel injectors (blue) (B). Press the fuel injectors into the fuel rail and install the metal retainer clips you removed from the old fuel injectors.

50

The fuel injectors should be orientated as shown.

60

Install the fuel pressure transducer onto the fuel rail with two stock bolts. **35 +/- 5.2 Lb-in**

ITEM	PART NUMBER	QTY.	DESCRIPTION
A	08-1903-C13994A	1	Fuel Rail
B	00-1701-C12076*	8	Fuel Injector
C	06-3001-B12429D	2	7" Zip Tie

TORQUE

1

35 +/- 5.2 Lb-in



SALEEN

PROCESS NAME

INSTALL FUEL INJECTORS &
SUPERCHARGER ASSEMBLY

Mandatory Torque Procedure

PAGE

32-1

Notes:



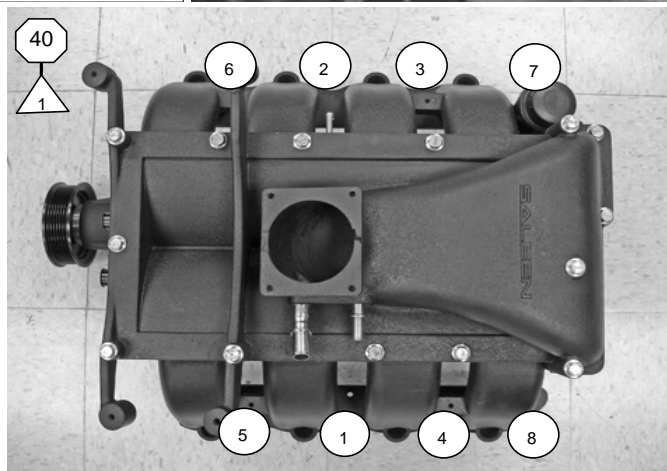
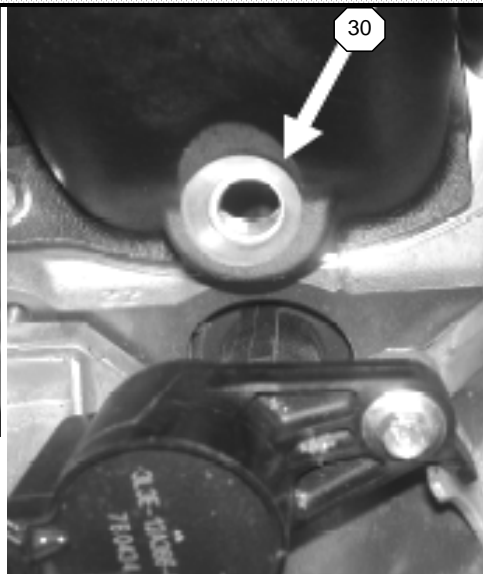
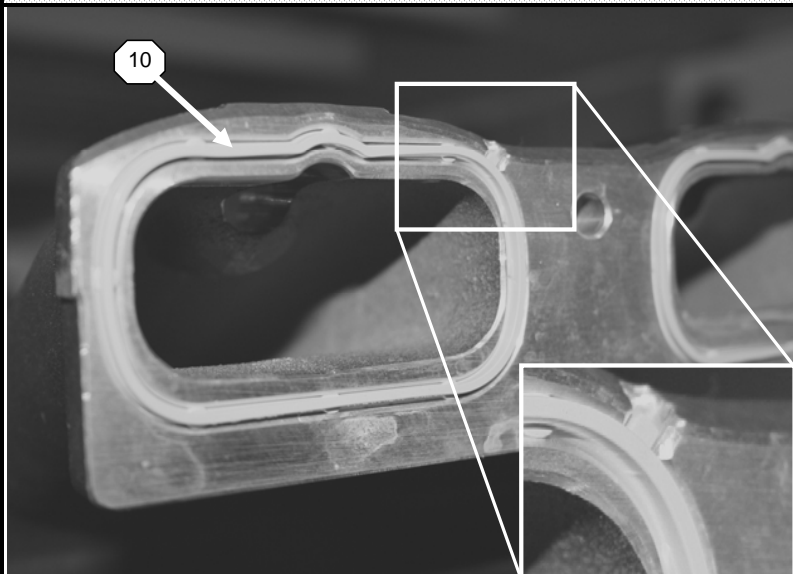
TORQUE

?

ITEM NUMBER



OPERATION



10

Ensure the provided intake manifold gaskets **(A)** are installed into the grooves at the end of each intake runner. Note the nub on the intake gasket, and install the gasket so the nub lines up with the cut-out in the manifold.

20

Carefully lower the supercharger assembly **(B)** onto the engine. **(The assembly is heavy so more than one person is recommended for setting it into place).**

30

Make sure to line up the injector bores in the manifold with the holes in the cylinder head.

40

Torque each mounting bolt **(C)** using the proper torque sequence.
91 +/- 13.6 Lb-in

ITEM	PART NUMBER	QTY.	DESCRIPTION
A	00-1607-C14616*	8	Intake Manifold Gasket
B	08-1607-B14553*	1	Supercharger Assembly
C	00-9001-C10141*	8	Capscrew Hex Flng M6x1.0mm 25mm

TORQUE

1

91 +/- 13.6 Lb-in



PROCESS NAME

PAGE

INSTALL FUEL INJECTORS &
SUPERCHARGER ASSEMBLY



Mandatory Torque Procedure

32-2

Notes:



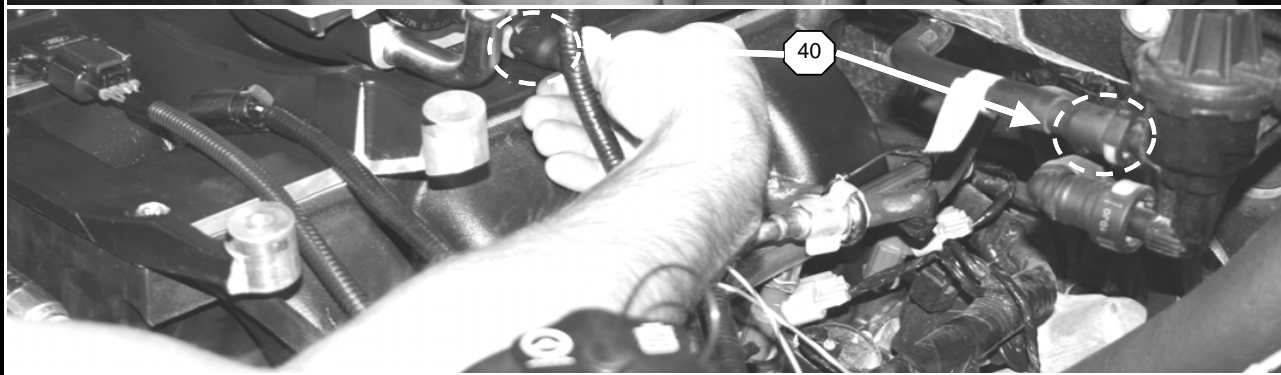
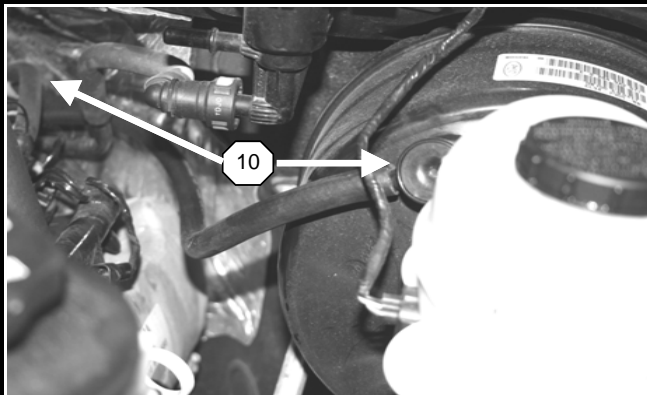
TORQUE

?

ITEM NUMBER



OPERATION



10

Retrieve the 3/8" vacuum line **(A)** and connect one end to the brake booster and the other end to a fitting on the back of the S/C assembly near the bulkhead.

20


Take the stock EVAP line and cut hose near center.

30

Before discarding the engine side of the EVAP line, remove the elbow and re-install it on the canister side.

40

Re-install EVAP line To Canister and S/C assembly below throttle body.

ITEM	PART NUMBER	QTY.	DESCRIPTION
A	00-9010-C07181*	1	Vacuum Hose 3/8", 20"
TORQUE			
		PROCESS NAME	PAGE
		INSTALL VACUUM & EVAP HOSES	

Notes:



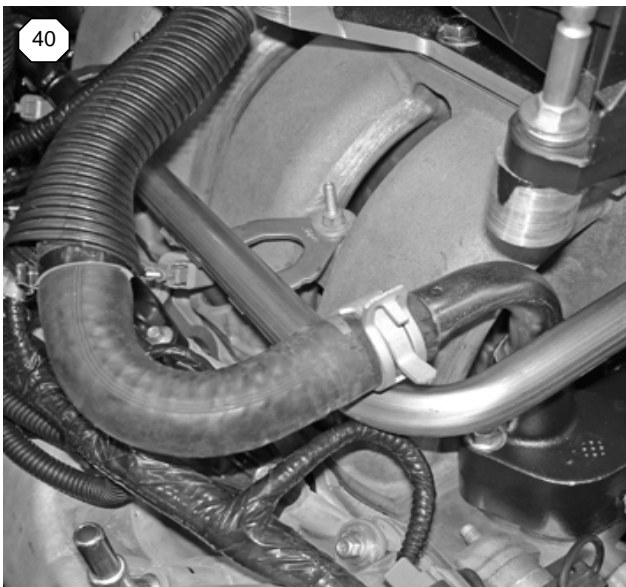
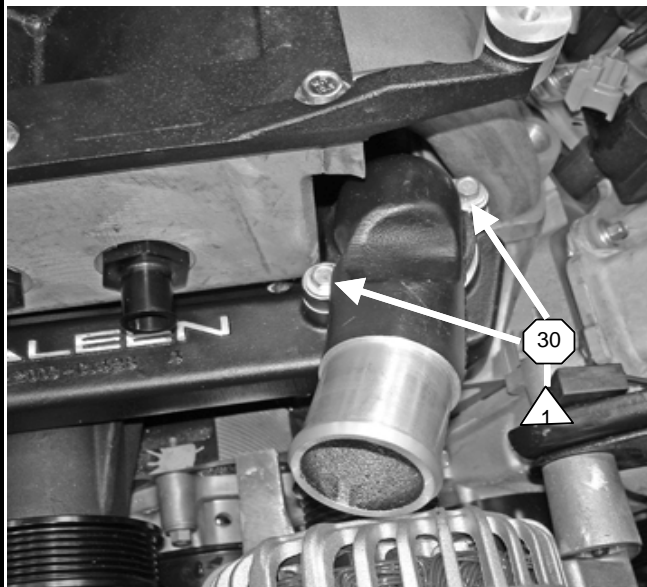
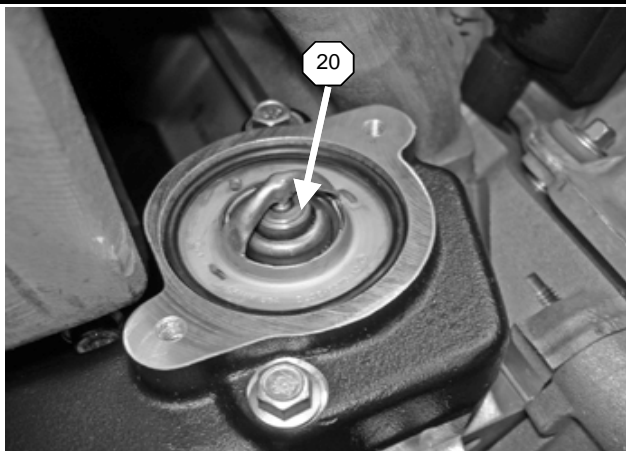
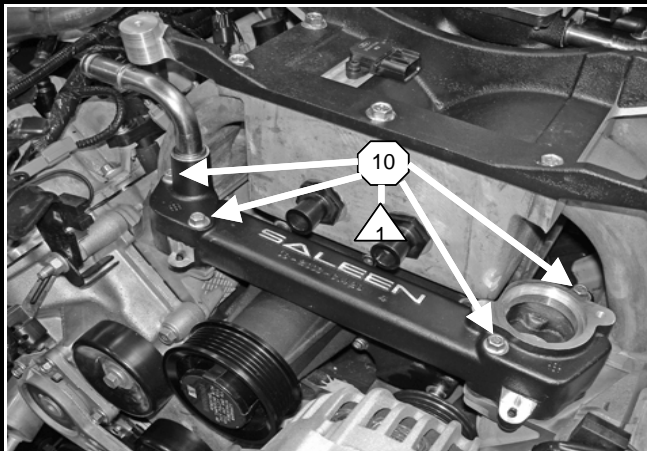
TORQUE



ITEM NUMBER



OPERATION



10

Install the water crossover tube assembly (A), LH and RH gasket, with four washers (C) and four bolts (D). **91 +/- 13.6 Lb-in**

20

Install the original thermostat and O-ring.

30

Install the new thermostat housing outlet with two bolts (E). **91 +/- 13.6 Lb-in**

40

Re-connect the hose to the water crossover.

ITEM	PART NUMBER	QTY.	DESCRIPTION
A	08-2003-C14284A	1	Water Crossover Assembly
B	00-9004-C00296*	4	Washer Flat M6
C	00-9001-C15587*	4	Capscrew, Hex Head, M6 x 1.0 x 60mm
D	00-9001-C15486*	2	Capscrew Hex Flng M6x1.0mm 20mm

Notes:

TORQUE

1

91 +/- 13.6 Lb-in



SALEEN

PROCESS NAME

PAGE

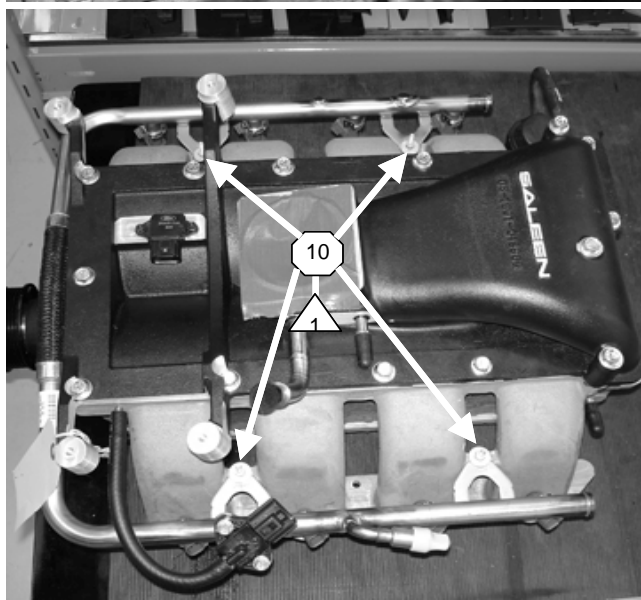
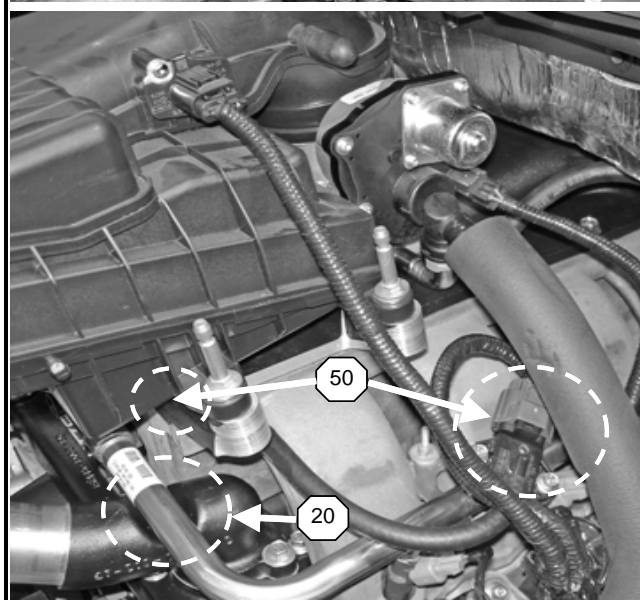
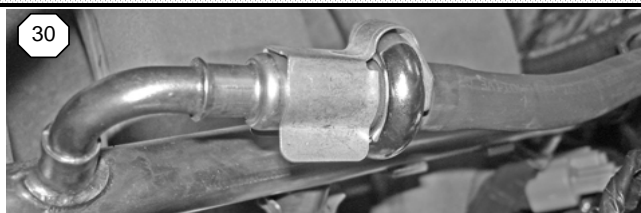
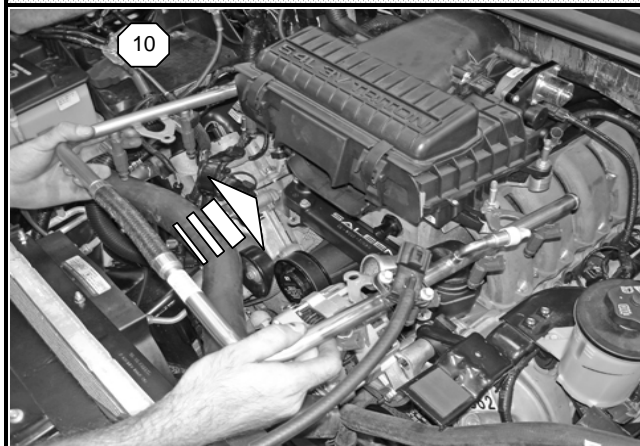
INSTALL WATER CROSSOVER KIT










Mandatory Torque Procedure

34




	TORQUE		ITEM NUMBER		OPERATION
--	--------	---	-------------	---	-----------



	10	Install the fuel injector rail assembly (A) Using 4 Bolts (B). 91 +/- 13.6 Lb-in
	20	Make sure the fuel rail is centered in the thermostat housing "saddle" (cut out area) and that there is at least 1/8" clearance between the fuel rail and thermostat housing (NO CONTACT ALLOWED).
	30	Re-connect the fuel supply hose to the fuel rail, making sure the connection is secure and the retainer clip is fully locked in place.
	40	Re-connect all fuel injector connectors, making sure they are fully seated and locked into position.
	50	Cut the fuel pressure sensor hose to aprox. 10" in length and connect to the supercharger port (fitting on the front, driver side of the supercharger assembly) and re-connect fuel pressure sensor harness connector.

ITEM	PART NUMBER	QTY.	DESCRIPTION
	08-1903-C13994A	1	Fuel Rail Assembly
	00-9001-C15486*	4	Capscrew Hex Flng M6x1.0mm 20mm

Notes:

TORQUE			
	1	91 +/- 13.6 Lb-in	
		PROCESS NAME	PAGE
		INSTALL MODIFIED FUEL RAIL	
		 Mandatory Torque Procedure	35



TORQUE



ITEM NUMBER



OPERATION




10

Connect hose **(A)** from the tank reservoir to the supercharger assembly and apply clamp **(C)**.

20

Connect hose **(B)** from the heat exchanger to the supercharger assembly and apply clamp **(C)**.

ITEM	PART NUMBER	QTY.	DESCRIPTION
A	08-2003-C14390B	1	Hose I/C To Tank
B	08-2003-C14393B	1	Hose H/E To I/C
C	00-2003-C10068*	2	Hose Clamp
TORQUE			
		PROCESS NAME	PAGE
		CONNECT HOSES TO SUPERCHARGER ASSEMBLY	

Notes:



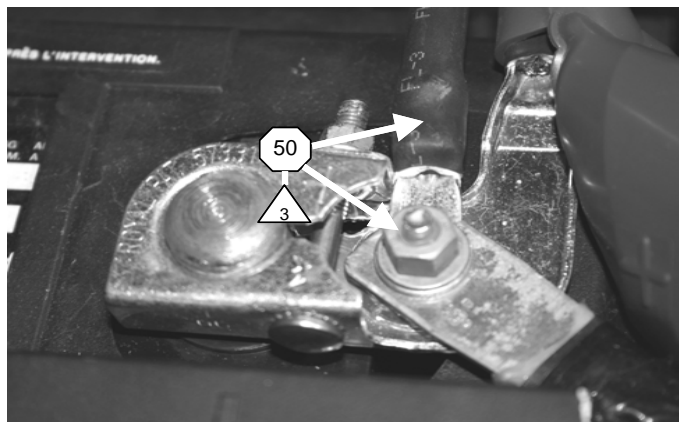
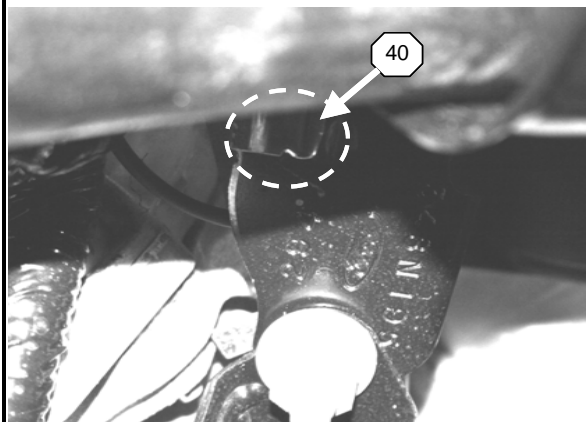
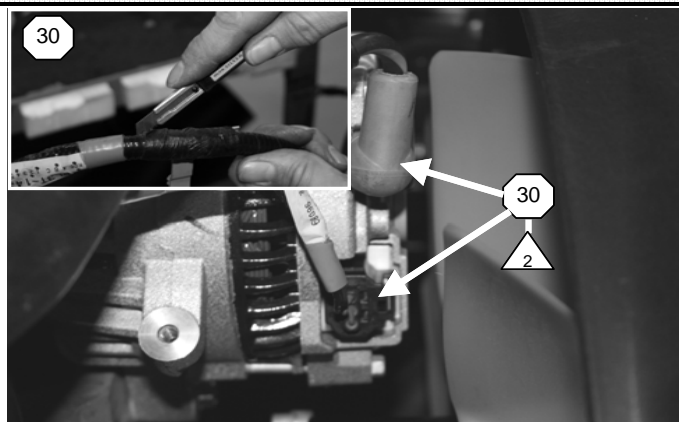
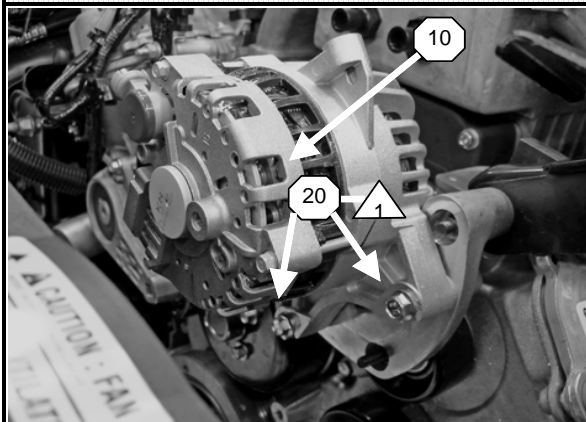
TORQUE



ITEM NUMBER



OPERATION



10

Start two bolts **(A)** and slide alternator into place.

20

Torque both bolts. **18 +/- 2.7 Lb-ft**

30

Carefully remove the excess plastic tree clip on the alternator harness and connect the alternator harness to the alternator with one nut (under grey rubber boot) and connect the harness connector.
71 +/- 10.7 Lb-in

40

Slide the metal clip on the alternator harness onto the upper radiator hose retainer bracket.

50

Attach the end of the alternator harness to the positive battery cable clamp with one nut. **80 +/- 12 Lb-in**

ITEM	PART NUMBER	QTY.	DESCRIPTION
A	00-9001-C10665*	2	Capscrew Hex Flng M8x1.25mm 40mm

TORQUE

1

18 +/- 2.7 Lb-ft

2

71 +/- 10.7 Lb-in

3

80 +/- 12 Lb-in



PROCESS NAME







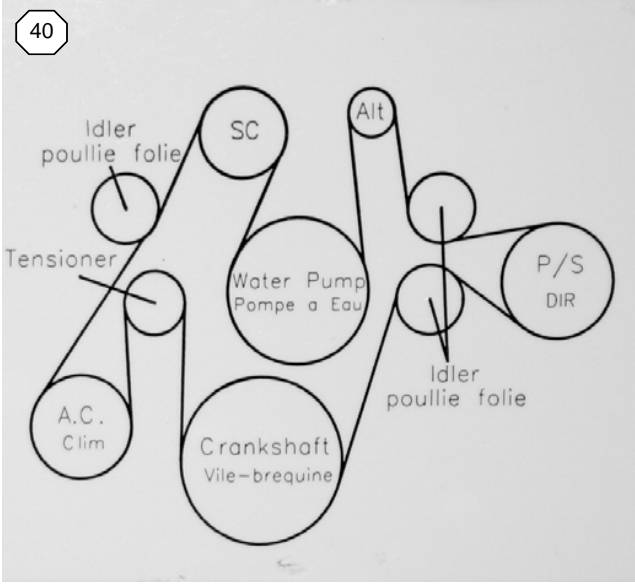






INSTALL ALTERNATOR

Mandatory Torque Procedure

PAGE

37

Notes:

 TORQUE	 ?	ITEM NUMBER	 OPERATION																																				
		40																																					
		40																																					
<div><div><div>10</div><div>Route the new belt (A) around all the pulleys except the water pump.</div></div><div><div>20</div><div>Using a 1/2" breaker bar, move the belt tensioner until there is enough slack in the belt to slip it over the water pump pulley.</div></div><div><div>30</div><div>With the belt around the water pump pulley, release the tensioner.</div></div><div><div>40</div><div>Confirm the belt is properly routed and is fully engaged into the grooves of all pulleys.</div></div></div>																																							
<table><thead><tr><th>ITEM</th><th>PART NUMBER</th><th>QTY.</th><th>DESCRIPTION</th></tr></thead><tbody><tr><td></td><td>00-1604C14814*</td><td>1</td><td>Goodyear Gator 113.0" 6-Rib Belt</td></tr><tr><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td></tr></tbody></table>				ITEM	PART NUMBER	QTY.	DESCRIPTION		00-1604C14814*	1	Goodyear Gator 113.0" 6-Rib Belt																												
ITEM	PART NUMBER	QTY.	DESCRIPTION																																				
	00-1604C14814*	1	Goodyear Gator 113.0" 6-Rib Belt																																				
<table><thead><tr><th colspan="2">TORQUE</th><th colspan="2"></th></tr></thead><tbody><tr><td> </td><td> </td><td>PROCESS NAME</td><td>PAGE</td></tr><tr><td> </td><td> </td><td>INSTALL SERPENTINE BELT</td><td>38</td></tr></tbody></table>				TORQUE						PROCESS NAME	PAGE			INSTALL SERPENTINE BELT	38																								
TORQUE																																							
		PROCESS NAME	PAGE																																				
		INSTALL SERPENTINE BELT	38																																				

Notes:



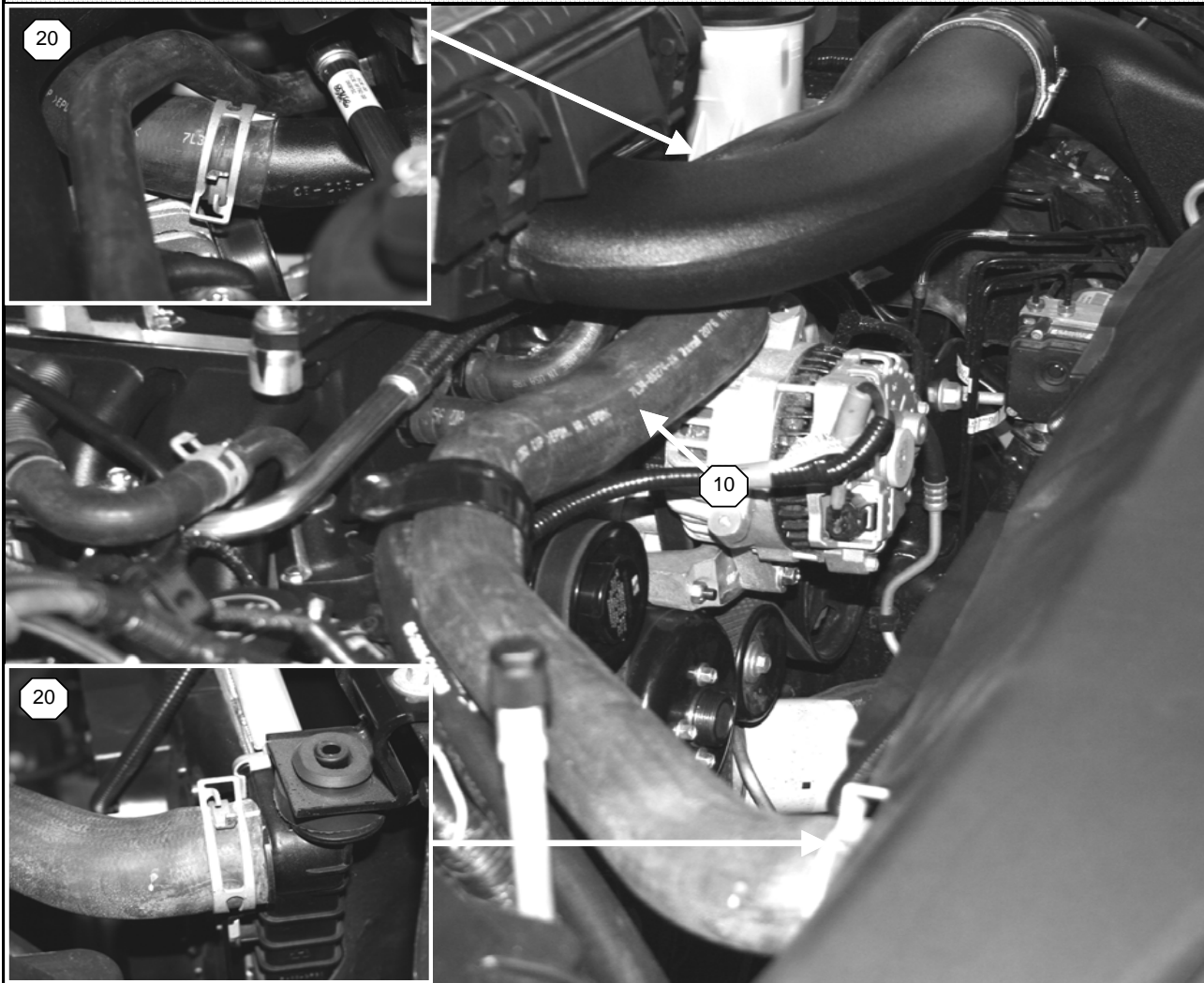
TORQUE



ITEM NUMBER



OPERATION



20

20

10


10

Re-install the upper radiator hose with two clamps.

20

Position clamps as shown.

Notes:

ITEM	PART NUMBER	QTY.	DESCRIPTION
TORQUE			
		PROCESS NAME	PAGE
		INSTALL UPPER RADIATOR HOSE	



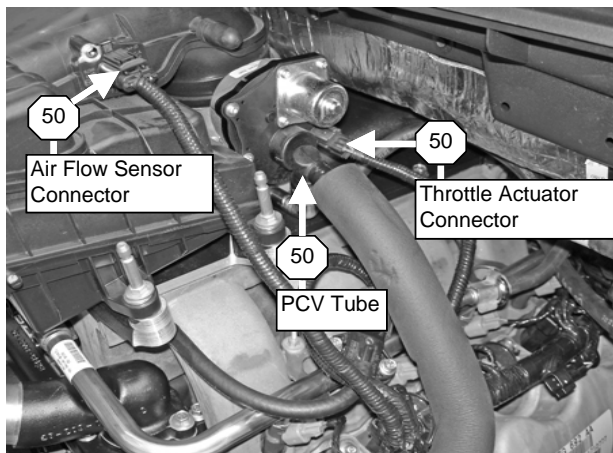
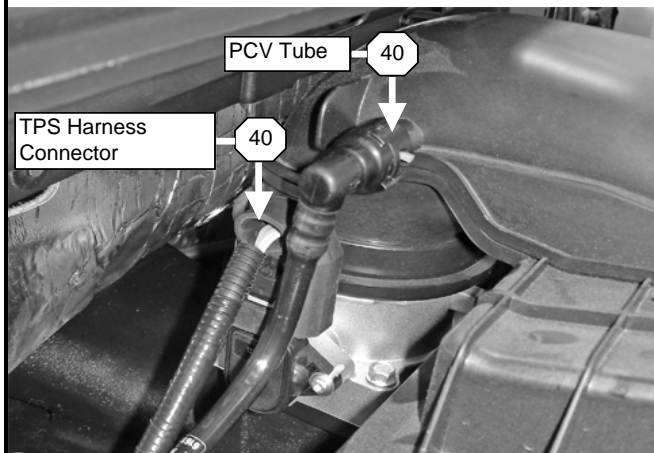
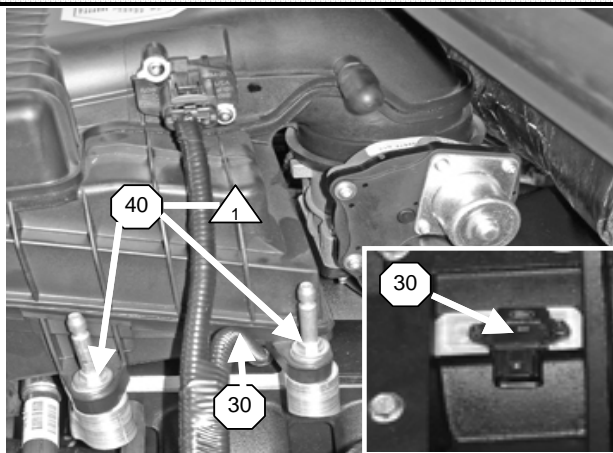
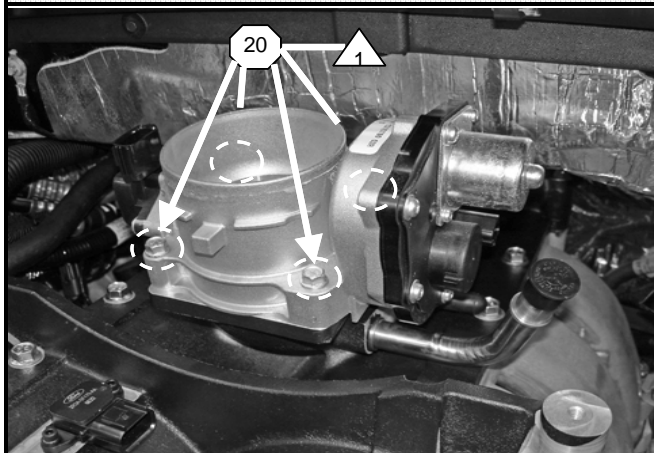
TORQUE



ITEM NUMBER



OPERATION



10

Remove tape covering the throttle body opening on the supercharger assembly.

20

Install the throttle body with the original O-ring gasket and four original bolts.

30

Connect the TMAP harness connector to the TMAP sensor before installing airbox.

40

Re-install the airbox housing with four bolts (LH side shown) and re-connect the PCV tube and TPS harness connector.

50

Re-connect throttle actuator harness connector, PCV tube, and air flow sensor harness connector to air filter housing.

60

Install new filter (Green) (A) and tray into air box assembly and secure clasps.

ITEM	PART NUMBER	QTY.	DESCRIPTION
A	00-1602-C14070*	1	Air Filter Green

TORQUE

1

91 +/- 13.6 Lb-in



PROCESS NAME

PAGE

INSTALL AIR BOX*, FILTER,
& THROTTLE BODY

Mandatory Torque Procedure

40

Notes:



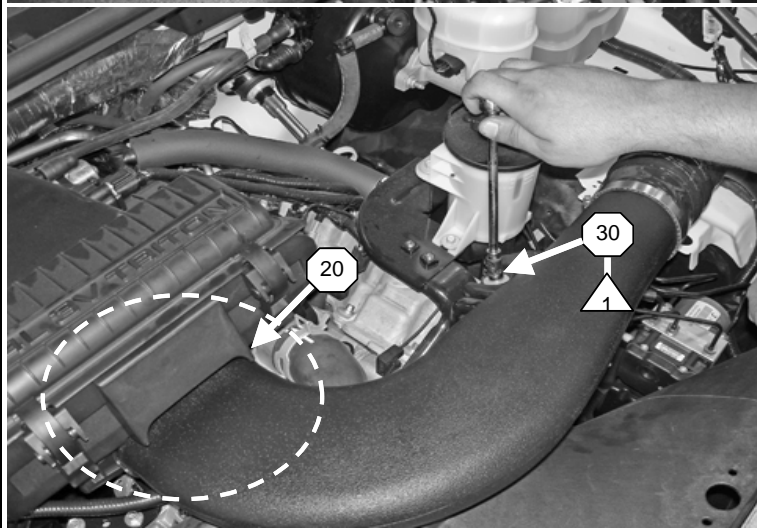
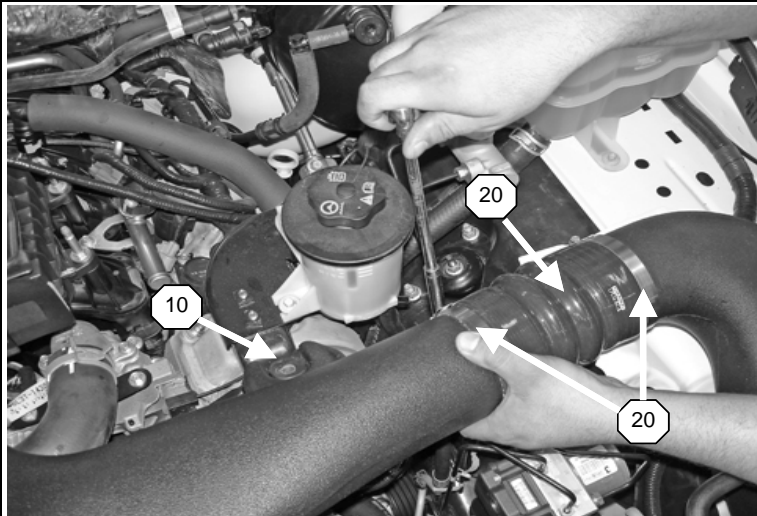
TORQUE



ITEM NUMBER



OPERATION



Notes:

The Bellow Must Overlap Each Tube By Over 0.5"
(Center)

10

Install the old rubber grommet from the stock air inlet tube onto the new upper air intake tube (zip tube) (A).

20

Install the upper air intake tube into the air filter housing, then install the rubber coupler (B) between the upper and lower air intake tubes with two supplied hose clamps (C).

30

Install the old upper air intake tube mounting bolt (from the stock inlet tube). 91 +/- 13.6 Lb-in

ITEM	PART NUMBER	QTY.	DESCRIPTION
A	08-1602-C14546A	1	Zip Tube, Upper
B	00-1602-C14548*	1	Zip Tube, Bellow
C	073-709	2	Hose Clamp #56 3 1/16"X4"

TORQUE

1

91 +/- 13.6 Lb-in



SALEEN

PROCESS NAME

INSTALL ZIP TUBE ASSEMBLY
(UPPER)



Mandatory Torque Procedure

PAGE

41



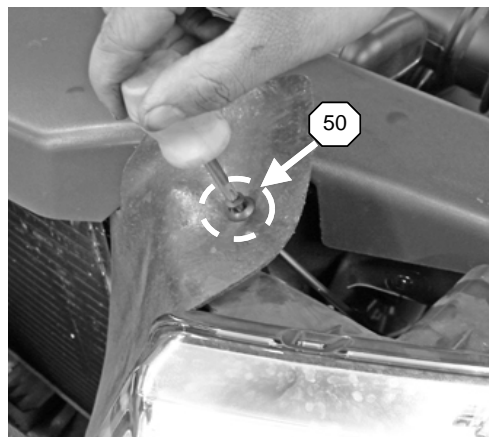
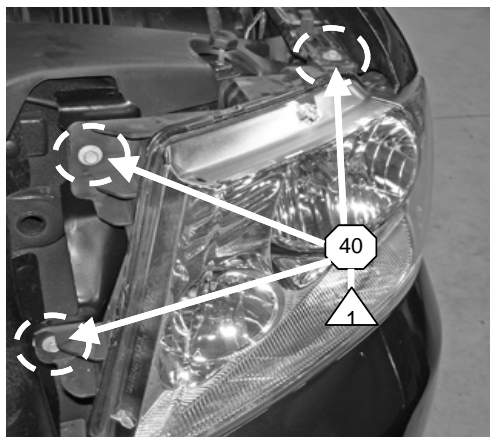
TORQUE

?

ITEM NUMBER



OPERATION



10

Retrieve Both LH and RH Headlamp Assemblies.

20

Find the three headlamp connectors and plug them into the proper bulbs on the headlamp assembly.

30

While gently pulling up on the tab, slide the headlamps into place.

40




Re-install six headlamp mounting bolts (3 per side) to bolt headlamps into place.

50

Fasten two Clips (1 per side) with a philips screw driver attaching the air deflectors.

ITEM	PART NUMBER	QTY.	DESCRIPTION

Notes:

TORQUE		 SALEEN	
 1	44 +/- 6.6 Lb-in	PROCESS NAME	PAGE
		RE-INSTALL HEADLAMPS (LH & RH)	42
		 Mandatory Torque Procedure	



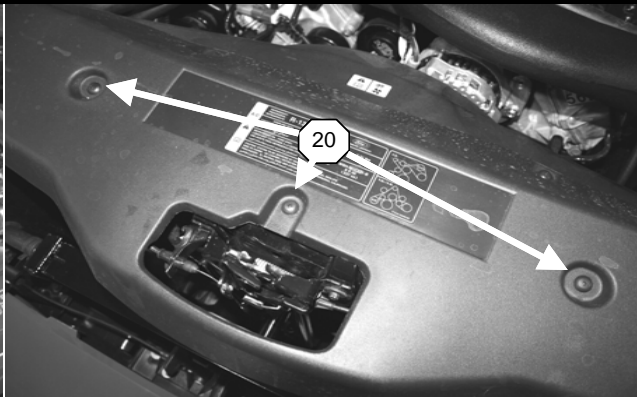
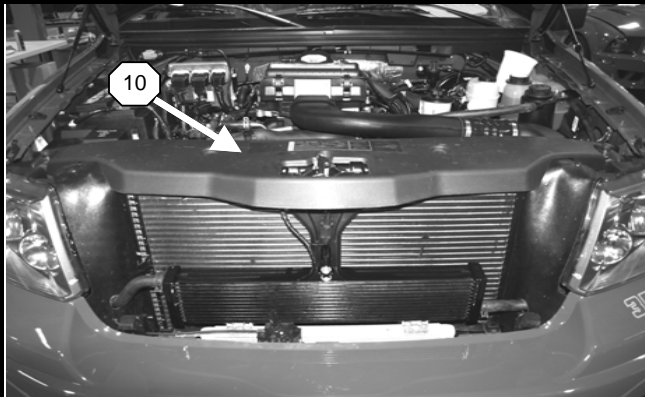
TORQUE

?

ITEM NUMBER



OPERATION

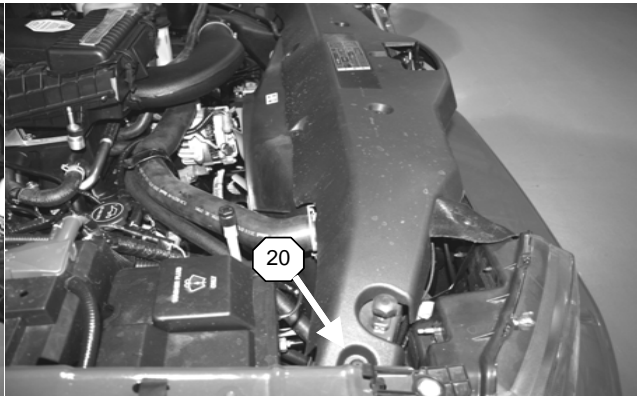
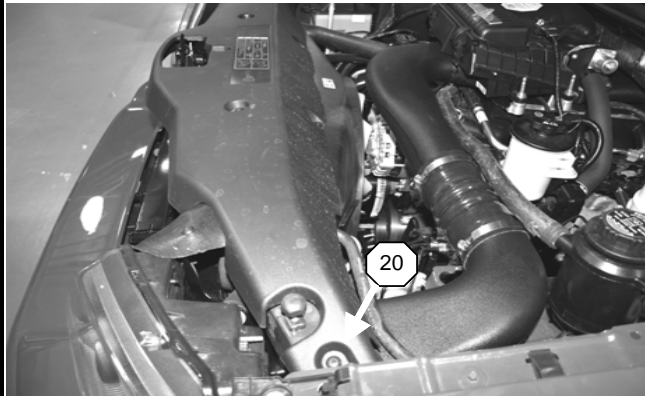


10

Place radiator support cover in place over radiator.


20

Install the 5 of the 7 pin-type retainers. The two retainers that went into the old fan shroud will not be re-used.



ITEM	PART NUMBER	QTY.	DESCRIPTION

Notes:

TORQUE		 SALEEN	
		PROCESS NAME	PAGE
		RE-INSTALL RADIATOR SUPPORT COVER ('05 & '06 MODEL)	A
			43



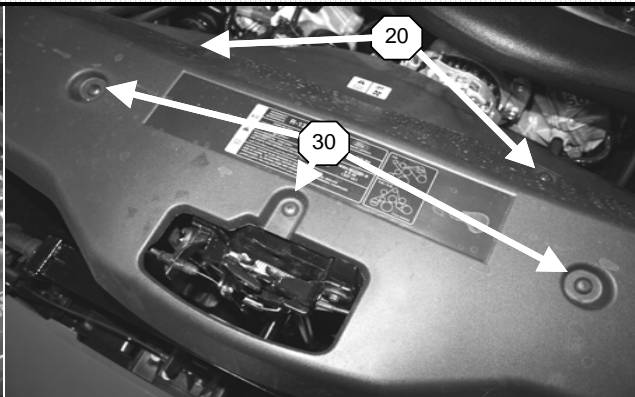
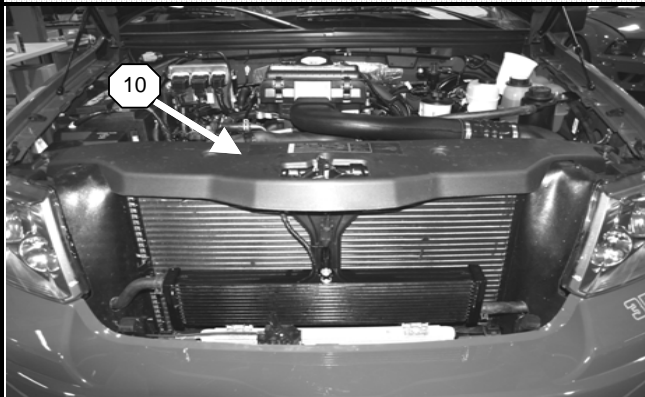
TORQUE

?

ITEM NUMBER



OPERATION



10

Place radiator support cover in place over radiator.

20

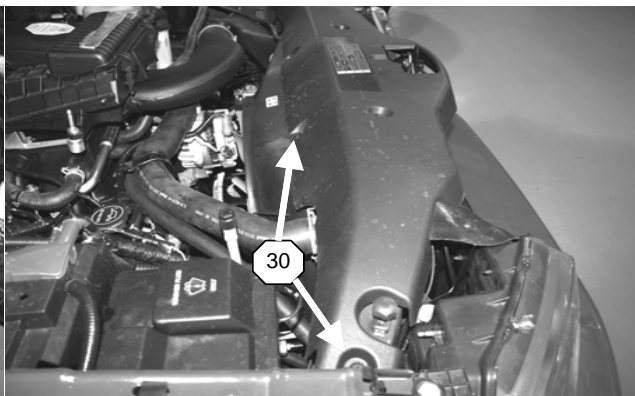
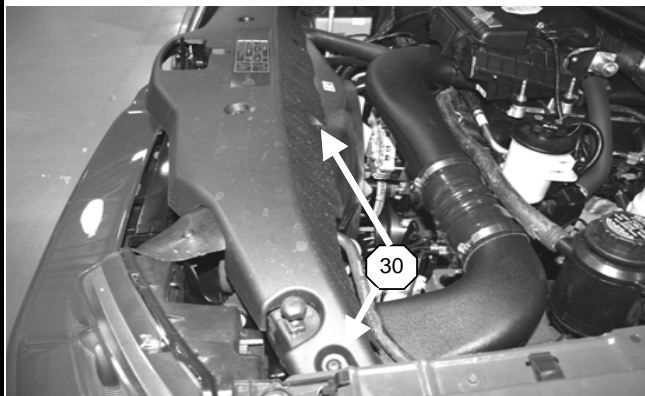
Using the shroud as a template, drill 2 holes (with a 1/4" drill bit) for the center rearward mounting holes (The modified fan shroud does not have these holes).


30

Install the 7 Pin-type retainers (5 retainers on 2008 model year and up).

NOTICE: 2008 F-150 trucks have a different radiator support cover than the '05 through '07 model years. The '08 cover is narrower (same width as the radiator) and therefore does not have the retainer closest to the fender on each side.

'08



ITEM	PART NUMBER	QTY.	DESCRIPTION
TORQUE			
		PROCESS NAME	PAGE
		RE-INSTALL RADIATOR SUPPORT COVER ('07 MODEL & UP)	B 43

Notes:



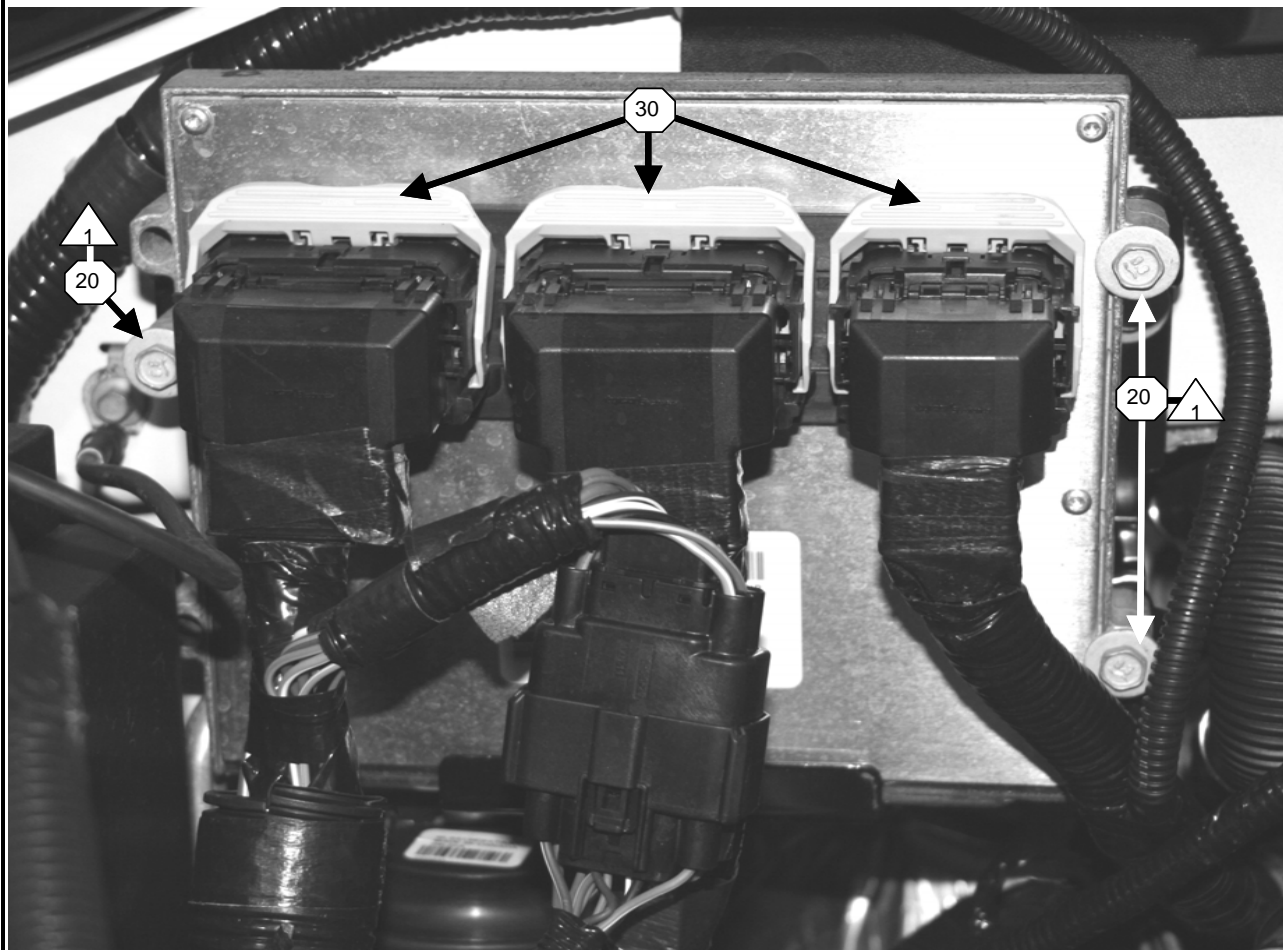
TORQUE

?

ITEM NUMBER



OPERATION



Notes:

10

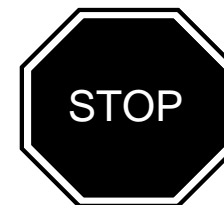
Retrieve the PCM.




20

Line up the PCM to the mounting bracket and install the three bolts holding the module in place. **62 +/- 9.3 Lb-in**

30

Plug the harness plugs into their respective locations by pushing them into the connector and pushing the locking tab towards the PCM. This will lock them into place.

**WARNING!** Install a Saleen programmed PCM **ONLY!**

ITEM	PART NUMBER	QTY.	DESCRIPTION
TORQUE		 SALEEN	
 1	62 +/- 9.3 Lb-in		
		PROCESS NAME	PAGE
		RE-INSTALL PROGRAMMED PCM	
		 Mandatory Torque Procedure	44



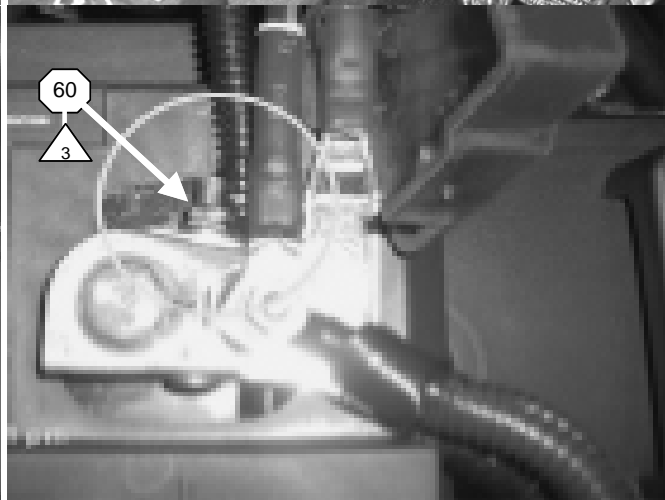
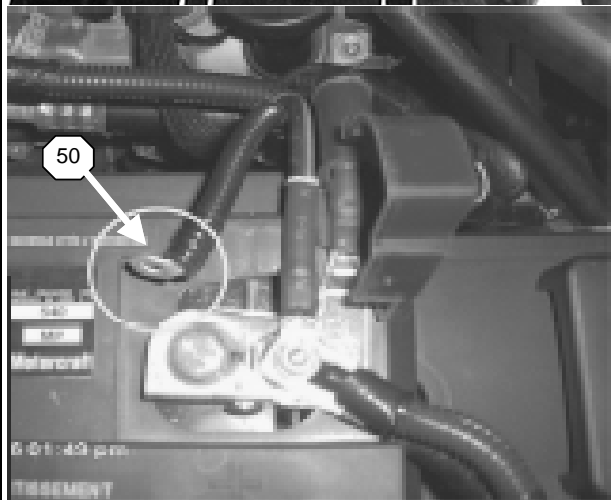
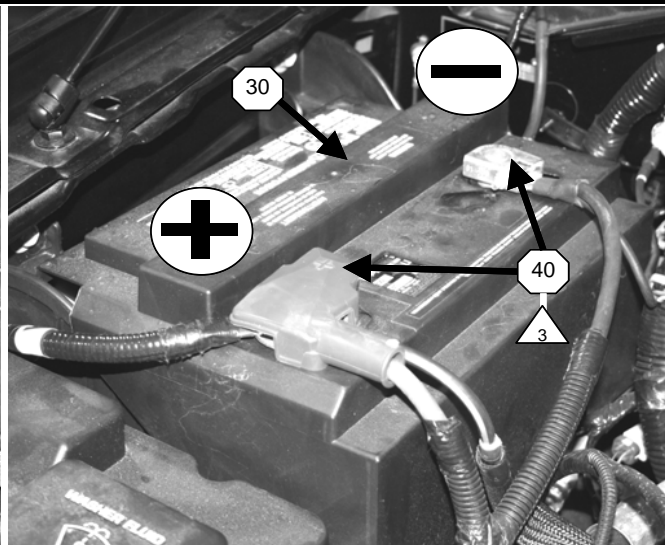
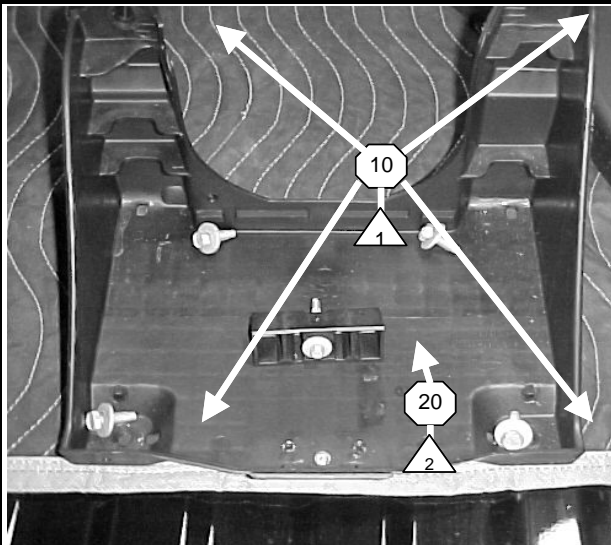
TORQUE



ITEM NUMBER









OPERATION



- 10 Re-install the battery tray with the 4 bolts it came with. **13 +/- 1.9 Lb-ft**
- 20 Set the battery inside the tray and fasten down with the battery hold down. **62 +/- 9.3 Lb-in**
- 30 Once battery is secure, install the battery cover by slipping it over the battery.
- 40 Install the positive battery cable and then install the negative battery cable. **44 +/- 6.60 Lb-in**
- 50 Retrieve the power wire for the low speed fan harness and bend the ring terminal 90 degrees.
- 60 Install the low speed fan harness positive cable. The nut for the positive cable clamp will be used to secure it. This way the cable boot will lay flat. Zip-tie the low speed fan harness cable to the positive battery cable to retain it in place.

ITEM	PART NUMBER	QTY.	DESCRIPTION
A	069-700	1	4" Zip Tie

Notes:

TORQUE		 SALEEN	
	13 +/- 1.9 Lb-ft	<div>PROCESS NAME</div> <div>RE-INSTALL BATTERY ('05 & '06 MODEL)</div> <div> Mandatory Torque Procedure</div>	PAGE
	62 +/- 9.3 Lb-in		
	44 +/- 6.60 Lb-in		
		<div> A</div>	45



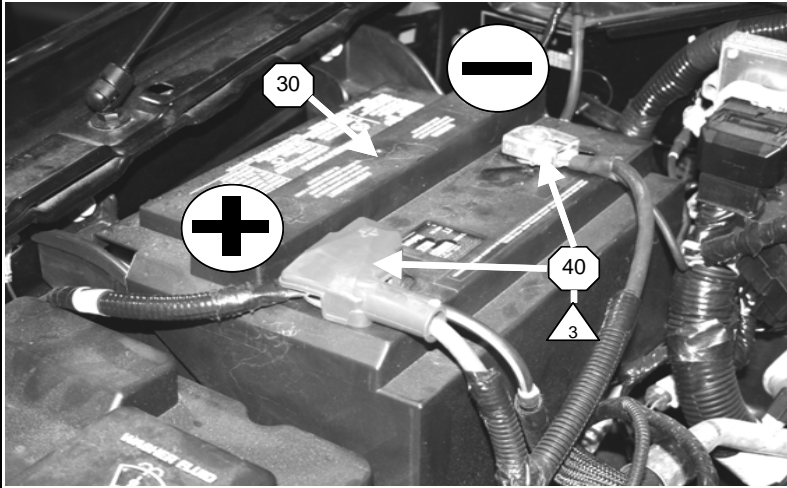
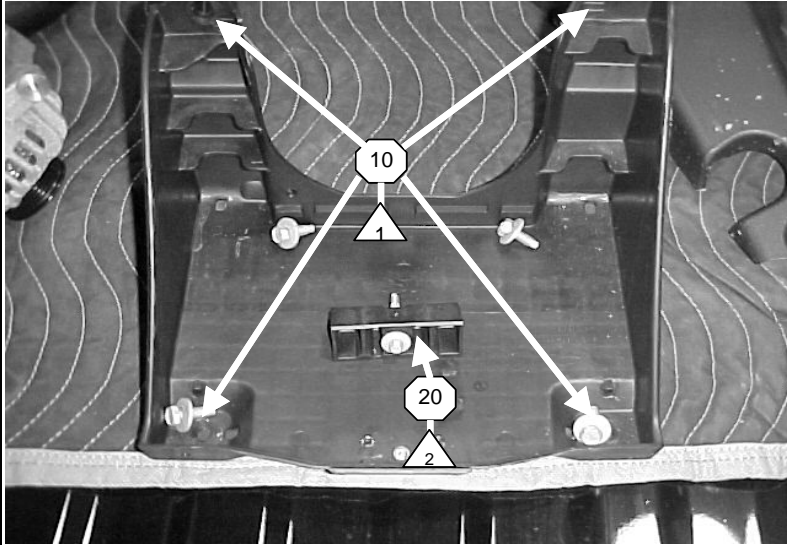
TORQUE



ITEM NUMBER



OPERATION



Notes:

10

Re-install the battery tray with the 4 bolts it came with.
13 +/- 1.9 Lb-ft

20

Set the battery inside the tray and fasten down with the battery hold down.
62 +/- 9.3 Lb-in

30

Once battery is secure, install the battery cover by slipping it over the battery.

40

Install the positive battery cable and then install the negative battery cable.
44 +/- 6.60 Lb-in

ITEM	PART NUMBER	QTY.	DESCRIPTION

TORQUE

1

13 +/- 1.9 Lb-ft

2

62 +/- 9.3 Lb-in

3

44 +/- 6.60 Lb-in



SALEEN

PROCESS NAME

RE-INSTALL BATTERY
('07 MODEL & UP)



Mandatory Torque Procedure

PAGE

B

45



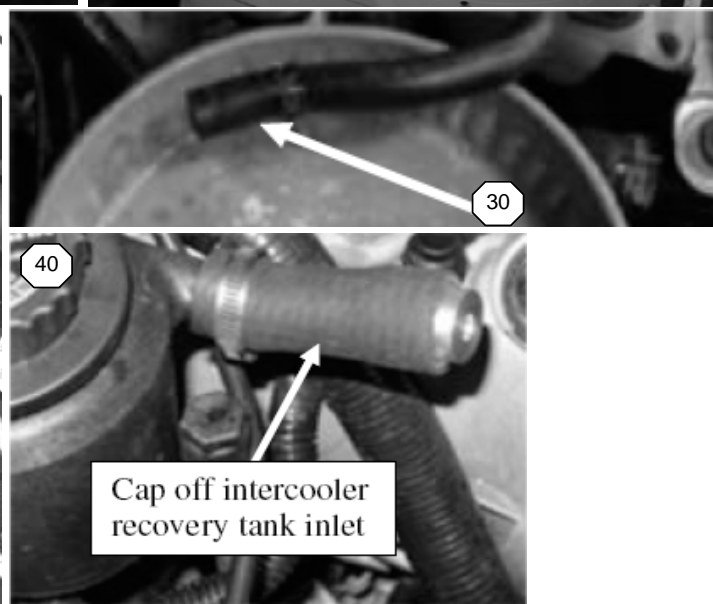
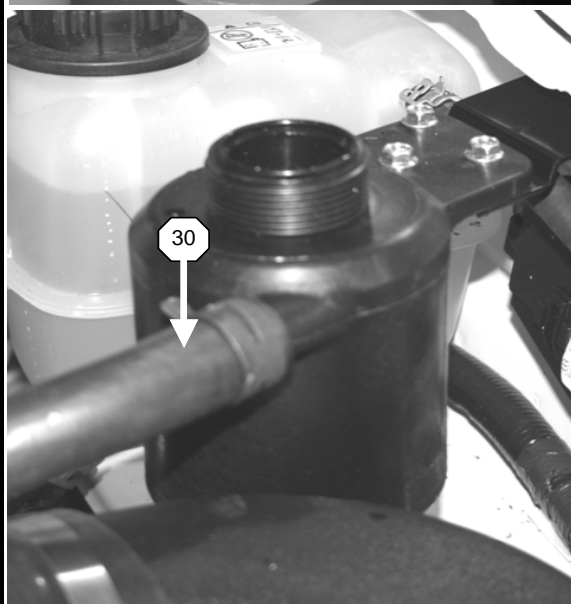
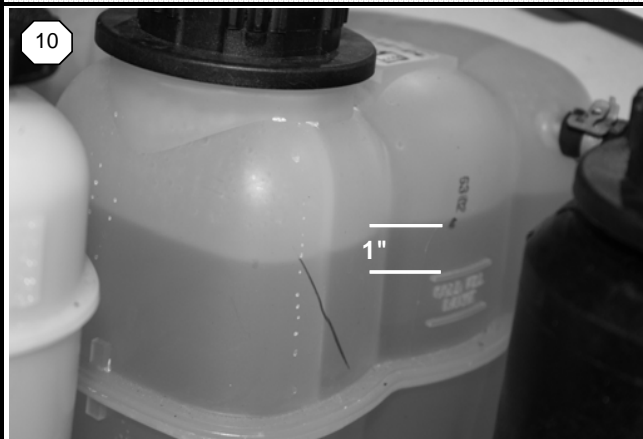
TORQUE



ITEM NUMBER



OPERATION



***NOTICE: Refer to your Saleen manual for proper coolant mixture for your climate before proceeding.**

10

Fill the coolant reservoir bottle about 1" above the cold fill line. The coolant level will drop once the vehicle has been ran. Fill as needed to maintain level.

20

Add the coolant mix label (A) to the coolant recovery tank.

30

Remove the intercooler to recovery tank hose (B) at the intercooler and set into a drain pan.

40

Cap off the inlet to the intercooler recovery tank using a short piece of 3/4" hose that is plugged at one end.

ITEM	PART NUMBER	QTY.	DESCRIPTION
A	08-9101-C15511A	1	Decal, Coolant Recovery Tank
B	08-2003-C14390B	1	Hose, Intercooler To Recovery Tank

TORQUE



SALEEN

PROCESS NAME

PAGE

INSTALL COOLANT MIXTURE

46-1

Notes:



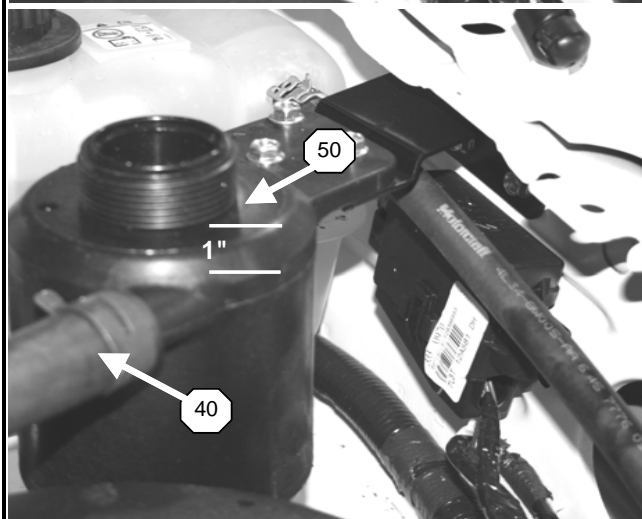
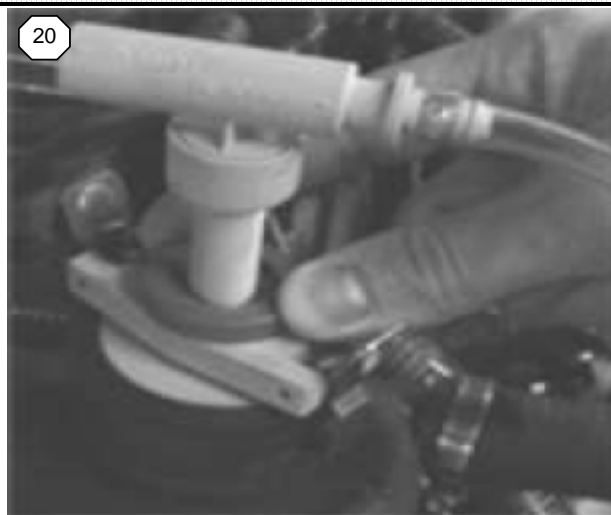
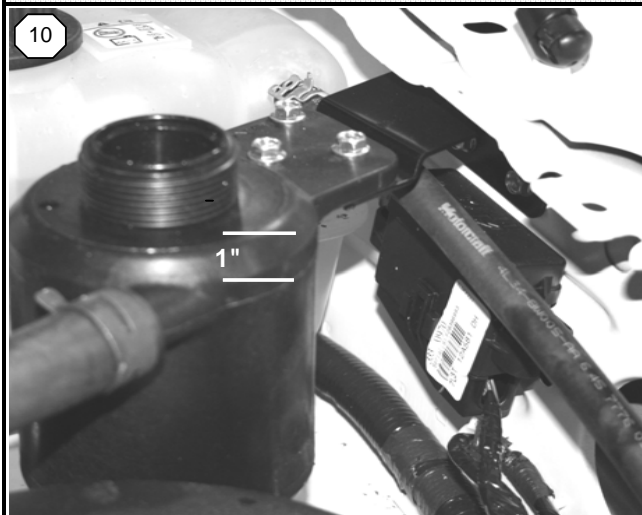
TORQUE



ITEM NUMBER



OPERATION



***NOTICE: Refer to your Saleen manual for proper coolant mixture for your climate before proceeding.**

10

Fill the intercooler recovery tank 1" from the top.

20

Attach the coolant system pressure tool to the opening of the intercooler recovery tank.

30

Actuate the pressure tool until coolant flows out of the hose and into the drain pan. **MAKE SURE THE TANK DOES NOT RUN DRY.**

40

Remove the capped hose from the inlet, and re-attach the hose (A) re-installing the designated clamp (B).

50

Remove the pressure tool and fill the intercooler tank 1" from the top. Then re-install the intercooler recovery tank cap (C).

ITEM	PART NUMBER	QTY.	DESCRIPTION
A	08-2003-C14390B	1	Hose, Intercooler To Recovery Tank
B	00-2003-C10068*	1	Hose Clamp
C	00-2001-C09994*	1	Cap, Intercooler Recovery Tank

TORQUE



PROCESS NAME

PAGE

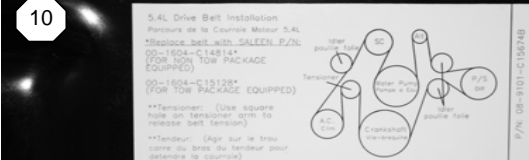
INSTALL COOLANT MIXTURE

Notes:



?

ITEM NUMBER




Notes:



Prep surface and mount Belt Diagram Label **(A)** on the inner skin of hood on the driver side of the hood striker.



Prep surface and mount VECI Label **(B)** on the inner skin of hood on the passenger side of the hood striker.

ITEM	PART NUMBER	QTY.	DESCRIPTION
A	08-9101-C15674C	1	Label, Belt Diagram S/C
B	08-9101-C14810D	1	Label, VECI
TORQUE		 SALEEN	
		PROCESS NAME	
		INSTALL VEHICLE PLAQUES & DECALS	
		PAGE	
		47-1	



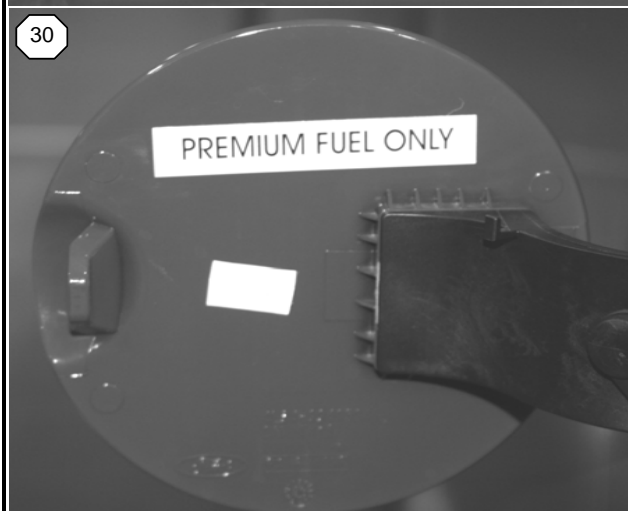
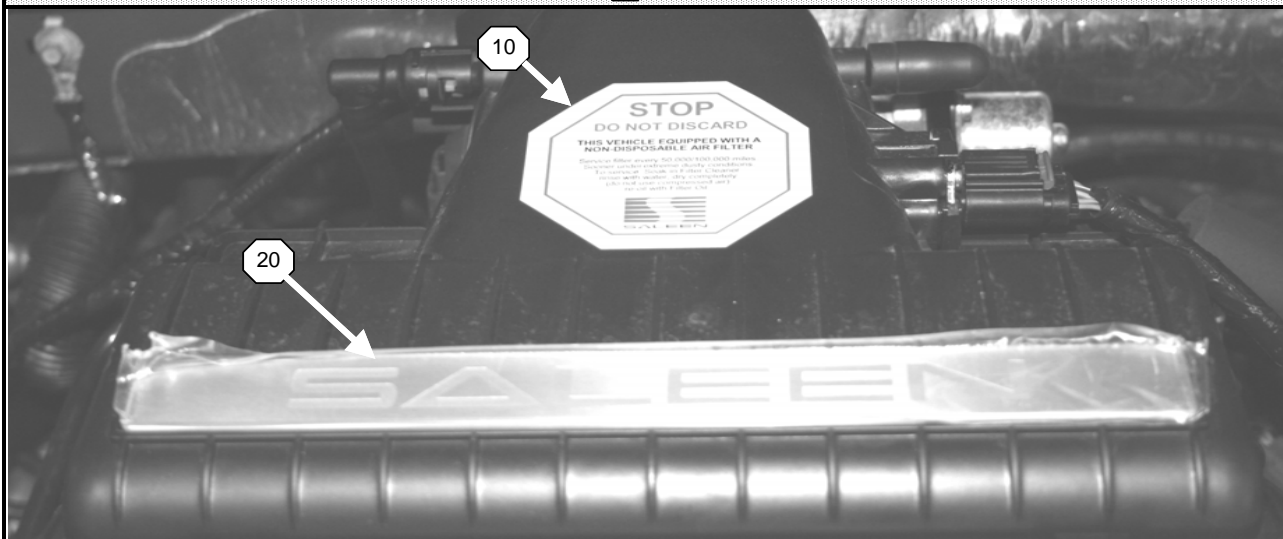
TORQUE

?

ITEM NUMBER



OPERATION



10

Prep surface of air box, and attach the Stop Filter decal **(A)** as shown.

20

Prep the underside surface of the Saleen Air Box plaque and airbox **(B)**. Apply 3M double sided tape **(E)** to the plaque by cutting the 18" strip in two 9" pieces and doubling up the tape under the plaque. Then apply the badge.

30

Prep the backside of the fuel door and install the Premium Fuel Only decal **(C)** as shown.

40

Prep the oil filler cap and install the oil filler cap decal **(D)**.

ITEM	PART NUMBER	QTY.	DESCRIPTION
[A]	06-9101-B09867B	1	Air Filter Decal Stop Sign
[B]	08-1206-C14570A	1	Badge, Air Box
[C]	06-9101-C10151A	1	Premium Fuel Only Decal
[D]	06-9101-C17108A	1	Oil Filler Cap Decal
[E]	00-9006-C15520*	18"	Double Sided Tape 3M

TORQUE

PROCESS NAME

INSTALL VEHICLE PLAQUES &
DECALS

PAGE

47-2

Notes:



Quality Checklist:

1. Review the entire installation and confirm all hoses, connectors, clips, fasteners, etc. are properly and securely installed / attached.
2. Make sure all removed components are properly re-installed and secure.
3. Confirm there are no coolant leaks in the intercooler or engine cooling system. Check in the engine bay and underneath the vehicle
4. Confirm there are no leaks in the fuel system.
5. Start the engine and allow it to run at idle for a few minutes. While motor is idling, listen for the intercooler water pump to verify it is running.
6. Check for fluid leaks. Open the intercooler recovery tank and verify that the fluid is circulating.



Cooling Fans and Harness Test Procedure (2005 to 2006 Only):

1. To verify the installation of the cooling fans and harness, hook up a Ford diagnostic tool to the OBD II port to monitor the engine coolant temperature and cylinder head temperature.
2. Start the engine, and turn the A/C system on.
3. Verify the fans turn on, and then turn the A/C off.
4. Run the engine at idle with the vehicle stationary until the cylinder head temperature reaches approximately 190 degrees Fahrenheit (+/- 4 degrees). The first fan (low speed fan) should come on.
5. After the low speed fan comes on, turn the A/C system back on.
6. When the A/C system begins to cycle, listen for the changes in the sound of the fans.
 - While the A/C compressor clutch is engaged, both fans will operate
 - While the A/C compressor clutch is disengaged, you will hear the driver's side fan (high speed fan) shut off and the passenger side fan (low speed fan) remain on.
 - If the truck is not warmed up to 190 +/-4 degrees Fahrenheit, both fans will shut off when the compressor clutch disengages.

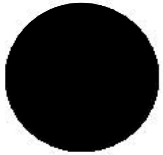
NOTE: Due to differences in the factory A/C charge amount, the A/C system may not "cycle" consistently from one vehicle to another (there may be a delay of one to two minutes). If this occurs, continue with the next step.

7. Turn the A/C system off.
8. Disconnect the low speed fan.
 - The connector is located behind the radiator closeout in front of the radiator, on the passenger side, just inboard and behind the passenger side headlamp.
9. Run the engine at about 3500 RPM until the "cht" (cylinder head temperature) reaches 210 degrees Fahrenheit. Then let the engine idle.
10. Confirm the high speed fan turns on at a "cht" of 214 +/- 4 degrees Fahrenheit.
11. If at any point either fan does not turn on within the specified limits, turn the engine off and call the **Saleen Technical Service Hotline at 1(949) 597-4900**.
12. If both fans work properly
 - Turn the truck off.
 - **Reconnect the low speed fan connector and make sure the radiator closeout is properly positioned.**

Intercooler Recovery Tank Bracket Template

Part Number: 08-3103-C15143B

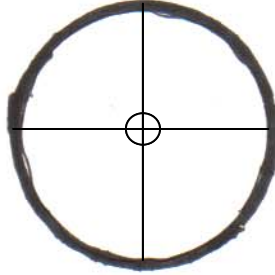
This Side Up

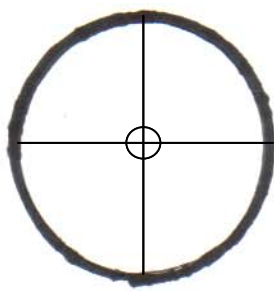


Driver Side Radiator Closeout Template



This Side Up





This Side Up

