



A/C Drive Kit for KUBOTA BX2670-1 and BX2680

p/n: 1ACBX2680DRK

(Note: the alternator is supplied with a new pulley)

Must be installed with one of the following three

Cab p/n's: BX4070, 1KBX70-1AS, or 1KBX70-1SS

Must be installed with one of the following two Curtis

A/C Roof Kit p/n's: 1ACBX80TLRFK or 1ACBX70TLRFK

Must be installed with one of the following two

Curtis A/C p/n's: 1ACUNIT-G1 or 1ACUNIT-G2

Approximate Installation Time *

Experienced Dealer Technician – 1.5 Hours

Average Dealer Technician – 2 Hours

Do-It-Yourself – 3 Hours

(* = Not including cab & other accessories)

Approximate Product Specifications

Weight: 40 lbs.

The contents of this envelope are the property of the owner. Leave with the owner when installation is complete.

Rev. C, 9/11/2018

p/n: IM-1ACBX2680DRK

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WARNINGS, TIPS, & REQUIRED TOOLS

Curtis accessories feature an assembly of parts designed for your vehicle which require adjustment and alignment of components to accommodate vehicle variations. For accurate installation, proper operation, and years of satisfaction, please read and understand the installation and owner's manual fully prior to installing the A/C Drive Kit.

From all of us at Curtis, we thank you for choosing our product.

NOTICE

Curtis Cabs, blades and general accessories add additional weight to the base vehicle. All Curtis accessory weights are listed in product brochures. Deduct the accessory's total weight from the vehicle's rated capacity and never exceed the vehicle's rated capacity including driver and passenger.

WARNING

Exposure to Carbon Monoxide can Cause illness, serious injury or death. Never operate vehicle if suspicious of Carbon Monoxide. Inspect exhaust system for leaks monthly. Leaks can result from loose connections, corrosion, cracks or other damage to the exhaust manifold. If leaks are found, repair or replace exhaust system. Do not use vehicle until repair or

WARNING

Serious Injury or Death

	This cab enclosure does not provide protection from rollover or other accidents.
	This cab enclosure does not provide protection from flying objects including golf balls.
	This cab enclosure does not provide protection from lightning. When lightning threatens take cover and do not operate vehicle.

California Health and Safety Proposition 65 Warning: This product may contain chemicals known to the state of California to cause cancer and birth defects or other reproductive harm.

GENERAL INFORMATION BEFORE YOU START

HELPFUL HINTS:

- Refer to parts diagram found in the service parts section of this manual to help identify parts during the assembly process.
- To assist with the installation, leave all fasteners loose for later adjustment unless otherwise specified.
- Read and understand all instructions before beginning.
- Use proper personal protective equipment during all phases of installation.
- ALWAYS shut off engine before leaving the operator's seat to perform any portion of the procedures listed in this manual.
- ALWAYS disconnect the ground cable from the battery when working with any electrical components.
- Hang a "DO NOT OPERATE" tag in the operator station.

TOOLS REQUIRED

- | | |
|--|---|
| <ul style="list-style-type: none"> • Set of Metric & Standard Sockets (1/4" & 3/8" Drive) • 1/4" & 3/8" Drive Ratchet and Extensions • 22mm, 1/2" Drive Socket • 1/2" Drive Impact Gun • Set of Metric Open-End Wrenches • Set of Metric Allen Wrenches • #2 Phillips Head Driver Bit • Drill • 9/32" Drill Bit • Tape Measure • Fine Tip Marker • Cut-off Wheel • File | <ul style="list-style-type: none"> • Torque Wrench • Pass Through Socket Set (Kobalt #0747440) or Snap-on Socket #OG2828 • Anti-Seize • Kubota Gray Paint • Silicone Sealant |
|--|---|

KIT INSTALLATION

STEP 1: (VEHICLE PREP)

- 1.1 Park vehicle on level ground, apply parking brake.
- 1.2 On BX80 series, remove the (6) 1/4-20 thumbnuts & (1) OEM thumbnut retaining the plastic air intake shroud. Set aside the plastic air intake shroud.

*Note: On BX70-1 series, remove the vinyl cover over the air intake screen.

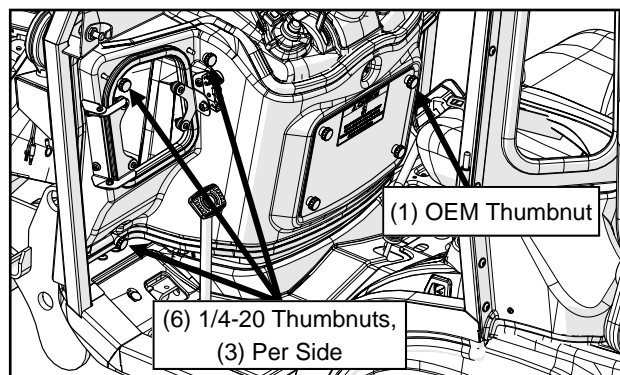


Fig. 1.2 (Plastic Air Intake Shroud)

- 1.3 Remove the air intake screen.

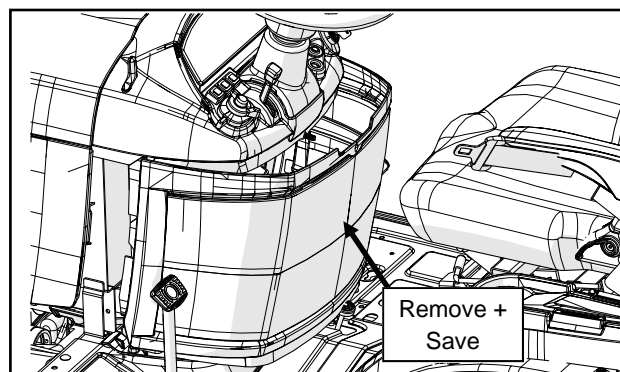


Fig. 1.3 (Remove Air Intake Screen)

- 1.4 Disconnect the negative battery terminal from the battery.

Tools: 13mm Wrench



Fig. 1.4 (Negative Battery Terminal)

- 1.5 Remove and discard the (2) M6 x 1 x 12mm bolts retaining the top of the exhaust manifold heat shield.

Tools: 10mm Wrench

- 1.6 Remove and set aside the (1) M6 x 1 x 12mm bolt retaining the side of the exhaust manifold heat shield.

Tools: 10mm Wrench

- 1.7 Remove exhaust manifold heat shield from vehicle and set aside.

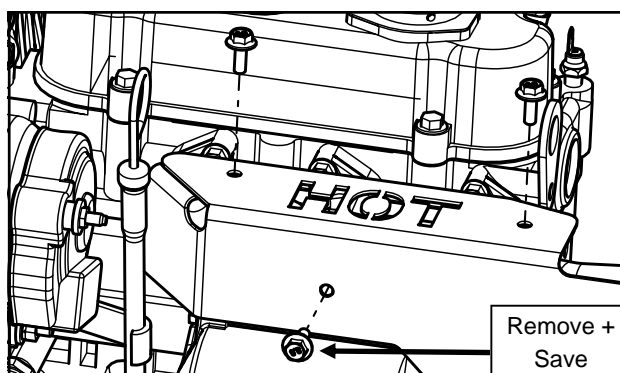


Fig. 1.5 (Exhaust Manifold Heat Shield)

KIT INSTALLATION

STEP 1: (VEHICLE PREP)

- 1.8** Remove and set aside the (3) M7 x 1 flange nuts securing the upper portion of the exhaust manifold to the engine block.

Tools: 10mm Wrench

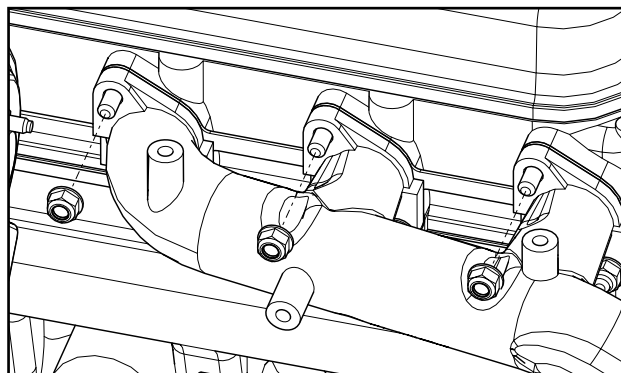


Fig. 1.8 (Exhaust Manifold Nuts)

- 1.9** Using the (2) supplied M7x1 nuts; remove and discard the (3) M7 x 1 x 30mm upper exhaust manifold studs.

Tools: (2) 11mm Wrenches

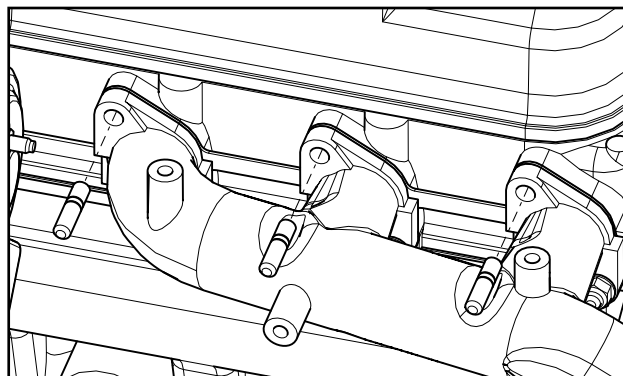


Fig. 1.9 (Exhaust Manifold Studs)

- 1.10** Disconnect the lead from the alternator found under the black boot.

Tools: 10mm Wrench

- 1.11** Unplug the wire harness connector from the back of the alternator.



Fig. 1.10 (Alternator Connections)

- 1.12** Remove and discard the M8 x 1.25 x 30mm bolt and washers retaining the alternator to the alternator bracket.

Tools: 12mm Wrench

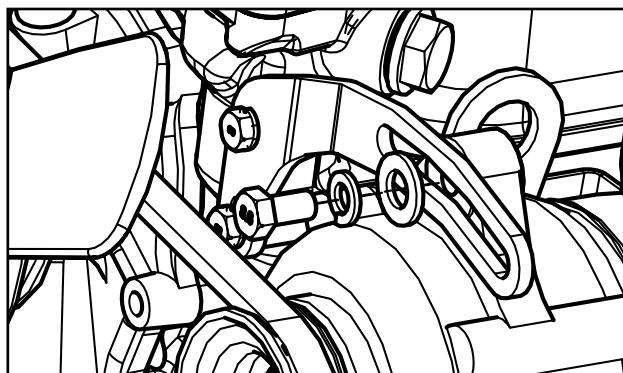


Fig. 1.12 (Alternator to Bracket Hardware)

KIT INSTALLATION

STEP 1: (VEHICLE PREP)

1.13 Remove and discard the M10 x 1.25 bolt, nut, lock & flat washers fastening the lower alternator ear to the engine block.

Tools: 14mm Wrench, Socket and Ratchet

1.14 Remove and set aside alternator from vehicle.

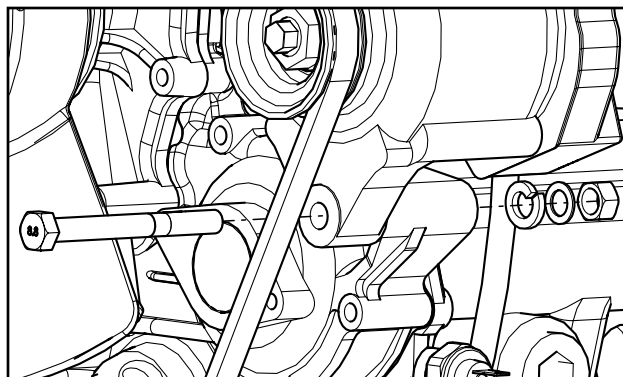


Fig. 1.13 (Lower Alternator Bolt)

1.15 Remove and discard the M8 x 1.25 x 18mm bolt, lock washer and the engine hoist ring.

Tools: 12mm Socket and Ratchet

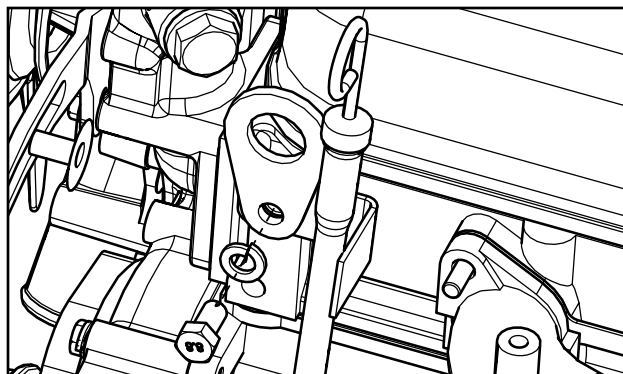


Fig. 1.15 (Hoist Ring & Dipstick Tube Hardware)

1.16 Remove and discard the M6 x 1 x 16mm bolt, M6 x 1 x 55mm bolts and (2) lock washers retaining the alternator bracket to the engine block, also discard the bracket.

Tools: 10mm Wrench

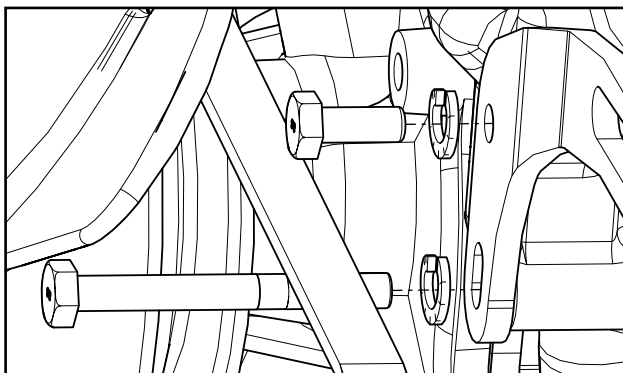


Fig. 1.16 (OEM Alternator Bracket & Hardware)

1.17 Remove the nut retaining the OEM alternator pulley & pulley spacer. Discard the OEM pulley & pulley spacer but set aside the nut for future use.

Tools: 22mm Socket
Impact Gun

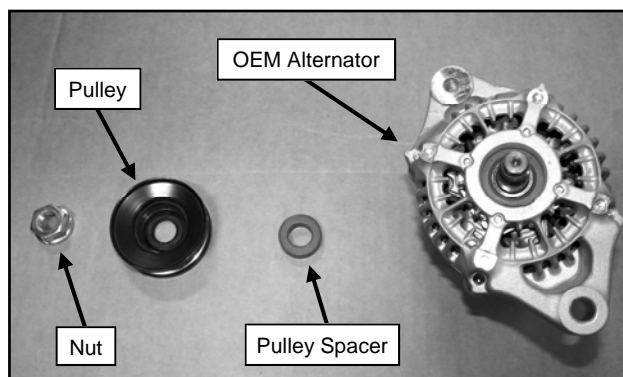


Fig. 1.17 (OEM Alternator Pulley)

KIT INSTALLATION

STEP 1: (VEHICLE PREP)

- 1.18** Remove and discard the M6 x 1 x 45mm bolt and lock washer from the front cover that's just above the alternator's engine boss.

Tools: 10mm Wrench

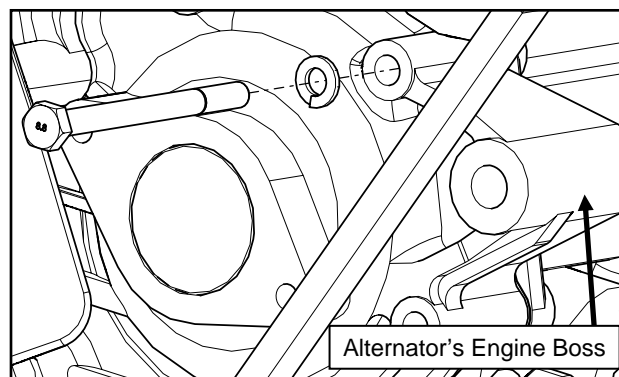


Fig. 1.18 (Front Cover Bolt)

- 1.19** Remove the dipstick tube assembly from the engine block by simply pulling upward.

- 1.20** Modify dipstick tube mounting tab as shown per fig. 1.20.
Tools: Tape Measure, marker, cut-off wheel, drill & 9/32" drill bit and file.

- 1.21** Once tab is cut, hole drilled and sharp edges are deburred; apply a coat of paint to bare metal areas.

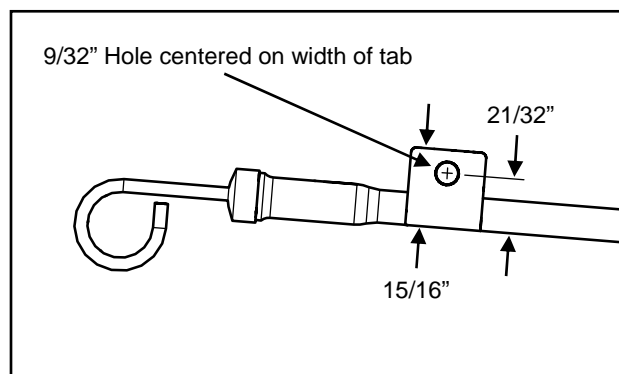


Fig. 1.20 (Dipstick Modification)

- 1.22** Cut the zip tie securing the throttle cable to the air intake duct.

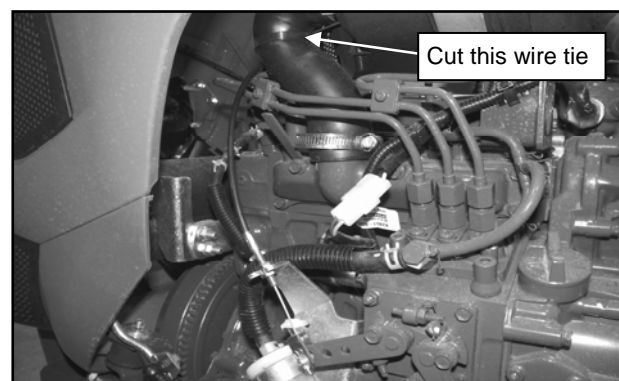


Fig. 1.22 (Zip Tie Location)

- 1.24** Remove and set aside the keeper, washer and pin found at the end of the throttle cable.

- 1.25** Measure and take note of distance from end of throttle cable threads to the lower jam nut. (This dimension will be used later to properly adjust the throttle cable's free play)

- 1.26** Remove the lower jam nut from the threaded portion of the throttle cable.

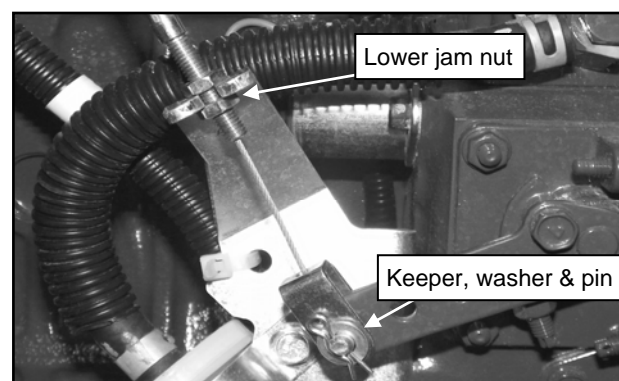


Fig. 1.24 (Throttle Cable Removal)

KIT INSTALLATION

STEP 2: (A/C DRIVE KIT)

2.1 Install the provided double groove pulley onto the OEM Alternator and tighten to required torque.

Tools: 10mm Socket
22mm Pass Through Socket, use either Pass Through Socket Set (Kobalt #0747440) or Snap-on Socket #OG2828
Torque Wrench

Torque: 58.4 to 78.9 N-m
43.1 to 58.2 lbf-ft

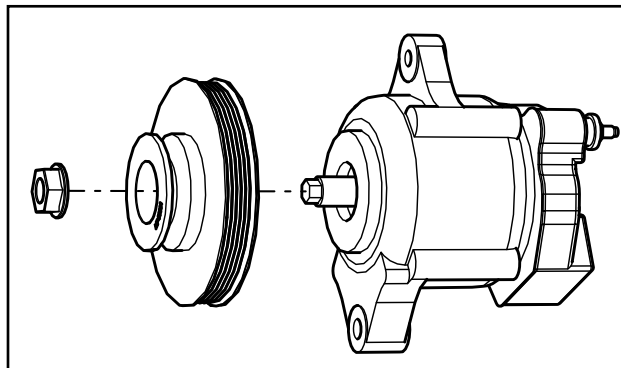


Fig. 2.1 (Double Groove Pulley & OEM Alternator)

2.2 Position the lower alternator bracket with the supplied spacers and hardware onto the engine block. Finger tighten only at this time.

HW: (1) M6 x 1 x 75mm Bolt
(1) M6 Lock Washer
(1) M10 x 1.5 x 80mm Bolt
(1) M10 x 1.5 Flange Lock Nut
(1) .563" OD x .658" Long Spacer
(1) .875" OD x .225" Long Spacer

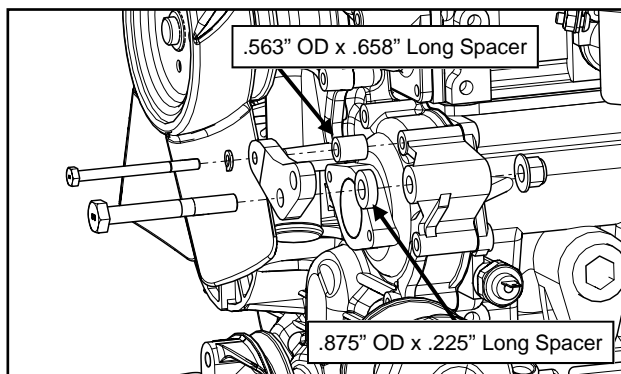


Fig. 2.2 (Lower Alternator Bracket & Hardware)

2.3 Position the upper alternator bracket onto the engine block. Finger tighten only at this time.

HW: (1) M6 x 1 x 20mm Bolt
(1) M6 x 1 x 60mm Bolt
(2) M6 Lock Washers

*Note: Position alternator bracket with the countersunk hole facing away from the engine.

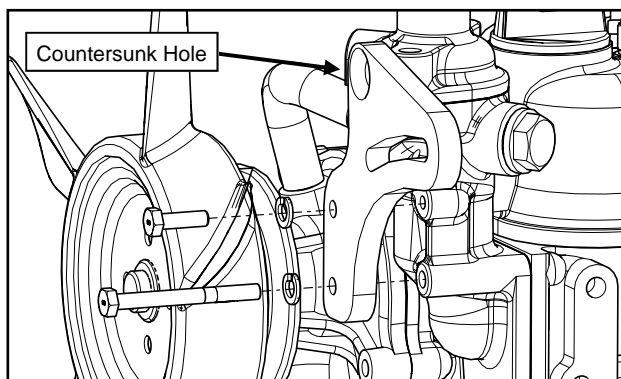


Fig. 2.3 (Upper Alternator Bracket & Hardware)

2.4 Fasten the OEM alternator with the double groove pulley onto the two previously installed brackets as shown.

HW: (1) M8 x 1.25 x 70mm Fully Threaded Bolt
(1) M8 Lock Washer
(1) M8 Flat Washer
(1) .875" OD x .877" Long Spacer
(1) M10 x 1.5 x 50mm Bolt
(1) M10 x 1.5 Flange Lock Nut

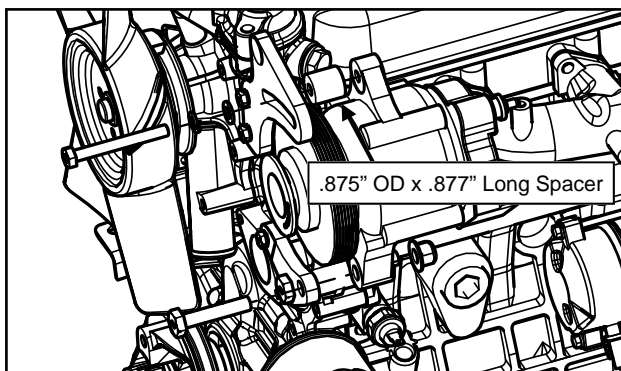


Fig. 2.4 (OEM Alternator & Hardware)

KIT INSTALLATION

STEP 2: (A/C DRIVE KIT)

2.5 Install the previously modified dipstick tube back into the engine block and position it as shown in Fig. 2.5.

2.6 Torque the lower alternator bracket Hardware. Reference Fig. 2.2 on previous page.

Tools: 10mm Socket
15mm Wrench
17mm Socket
Torque Wrench

Torque: 7 N-m / 5 lbf-ft (M6 x 1 x 75mm bolt)
50 N-m / 37 lbf-ft (M10 x 1.5 x 80mm bolt)

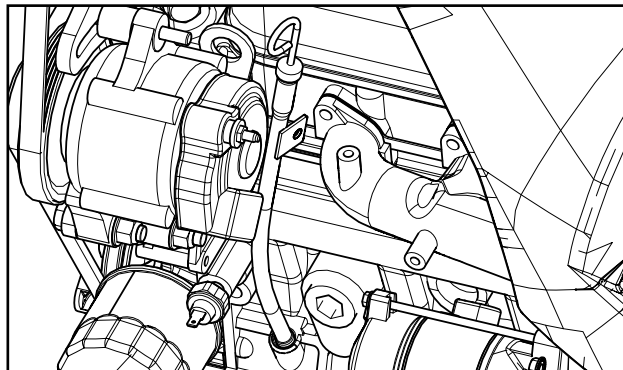


Fig. 2.5 (Dipstick Position)

2.7 Torque the upper alternator bracket bolts. Reference Fig. 2.3 on previous page.

Tools: 10mm Socket
Torque Wrench

Torque: 7 N-m / 5 lbf-ft

2.8 Place the supplied flat ribbed-belt over the inboard groove of the pulley.

2.9 Rotate alternator towards engine providing enough slack to place the OEM V-belt into the outboard groove of the pulley.

2.10 Adjust the OEM alternator's V-belt tension and torque the upper M8 x 1.25 alternator bolt. See Fig.2.10.

Tools: 13mm Socket
Torque Wrench

Torque: 17 N-m / 12 lbf-ft

2.11 Torque the OEM alternator lower M10 x 1.50 bolt as shown in Fig. 2.10.

Tools: 17mm Socket
15mm Wrench
Torque Wrench

Torque: 50 N-m / 37 lbf-ft

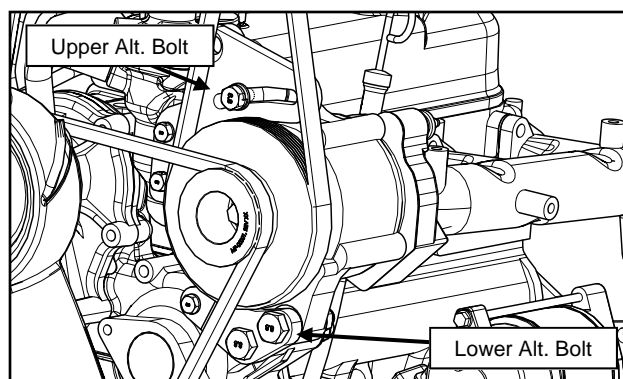


Fig. 2.10 (OEM Alternator Hardware)

2.12 Position the auxiliary alternator, spacer and hardware as shown in Fig. 2.12.

HW: (1) M10 x 1.5 x 60mm Flat Head Bolt
(1) .875" OD x .432" Long Spacer
(1) M10 x 1.5 Flange Lock Nut

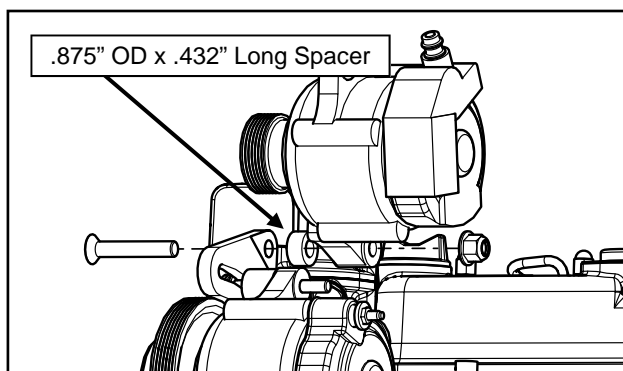


Fig. 2.12 (Auxiliary Alternator, Spacer & Hardware)

KIT INSTALLATION

STEP 2: (A/C DRIVE KIT)

2.13 Route flat ribbed-belt over the auxiliary alternator's pulley and tension. Tighten the previously installed flat head bolt but do not torque at this time. Tightening is required for alignment purposes.

Tools: 6mm Allen Wrench & 15mm Socket

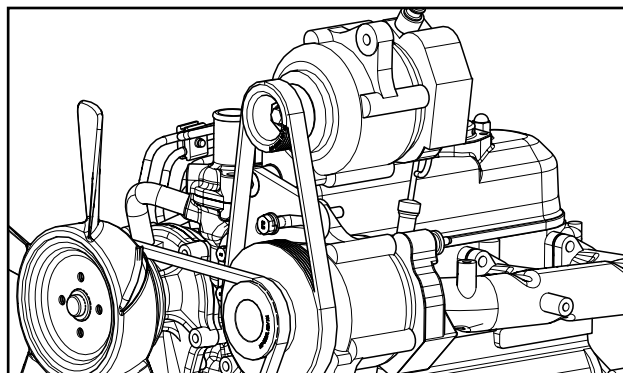


Fig. 2.13 (Flat Ribbed-Belt Routing)

2.14 Fasten the upper auxiliary alternator bracket to exhaust manifold as shown in Fig. 2.14. Finger tighten at this time.

HW: (3) M7 x 1 x 25mm Bolts

(3) M7 Washers

*Note: Apply anti-seize compound to these (3) exhaust manifold bolts.

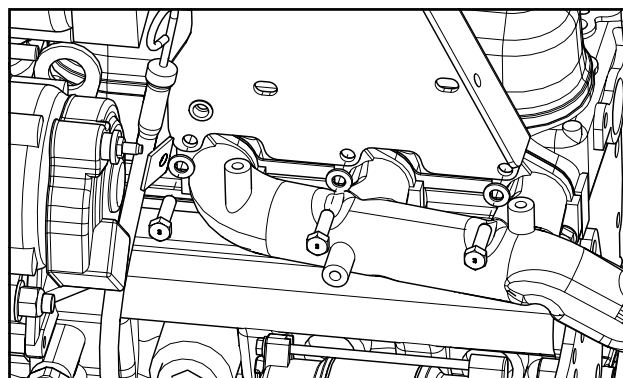


Fig. 2.14 (Upper Aux. Alternator Bracket & Hardware)

2.15 Thread the following hardware thru the upper auxiliary alternator bracket into the threaded ear of the auxiliary alternator as shown. Tighten bolt.

HW: (1) M8 x 1.25 x 30mm Bolt

(1) M8 Lock Washer

(1) M8 x 22mm x 4.95mm Thick Hardened Washer

Tools: 13mm Socket

2.16 Torque the (3) previously installed manifold bolts retaining the upper auxiliary alternator bracket.

Tools: 11mm Socket & Extension
Torque Wrench

Torque: 13 N-m / 9 lbf-ft

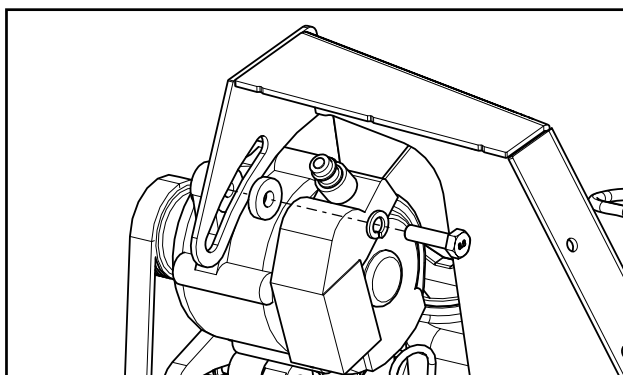


Fig. 2.15 (Upper Aux. Alternator Hardware)

2.17 Install the dipstick relocation bracket as shown in Fig. 2.17. Ensure dipstick tube is fully seated into the engine block prior to tightening hardware.

HW: (2) 1/4-20 X 5/8" Button Head Bolts

(1) 1/4-20 Flange Lock Nut

Tools: 5/32" Allen Wrench
7/16" Wrench

*Note: Relocation bracket should be positioned behind the dipstick tube bracket.

*Note: The 1/4-20 Flange nut is hidden behind the relocation bracket in Fig. 2.17.

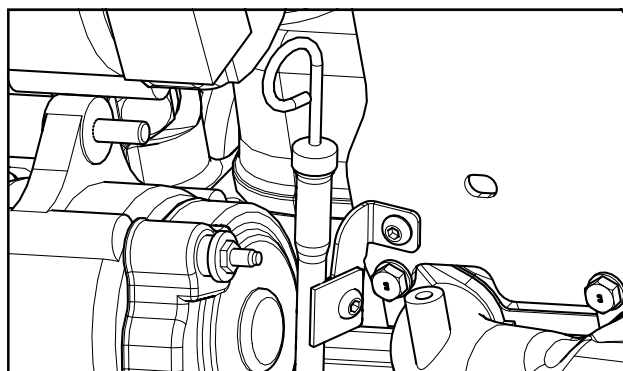


Fig. 2.17 (Dipstick Relocation Bracket)

KIT INSTALLATION

STEP 2: (A/C DRIVE KIT)

- 2.18** Reposition the exhaust manifold heat shield back onto the engine using the (1) previously removed M6 x 1 x 12mm bolt located on the side of the manifold. Finger tighten only at this time.

Tools: 10mm Socket

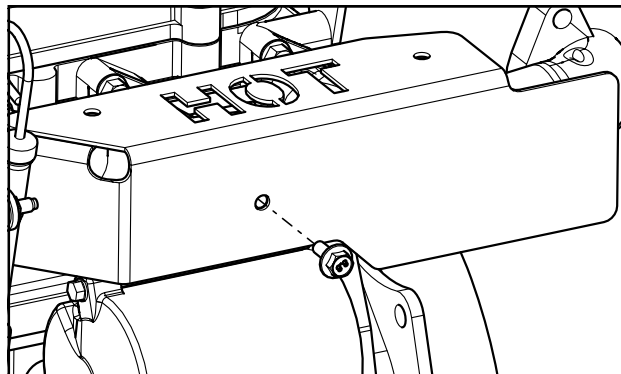


Fig. 2.18 (Manifold Heat Shield Side Fastener)

- 2.19** Install the manifold gusset as shown. Torque listed fasteners along with the side exhaust manifold heat shield bolt at this time.

HW: (3) M8 x 1.25 x 20mm Flange Head Bolts
 (3) M8 x 1.25 Flange Lock Nuts
 (2) M6 x 1 x 20mm Bolts
 (2) M6 Lock Washers
 (2) M6 Flat Washers

Tools: 13mm Wrench & Socket
 10mm Socket
 Torque Wrench

Torque M8 x 1.25 fasteners: 17 N-m / 12 lbf-ft
 Torque M6 x 1 fasteners: 7 N-m / 5 lbf-ft

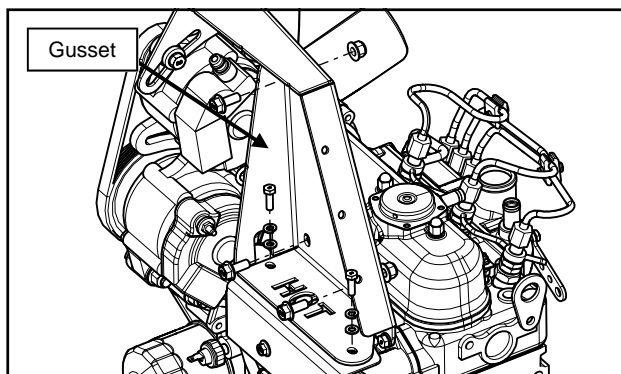


Fig. 2.19 (Manifold Gusset Hardware)

- 2.20** Slightly loosen both the upper and lower auxiliary alternator mounting hardware.

Tools: 13mm Socket
 17mm Wrench & 15mm Socket

- 2.21** Tension auxiliary alternator belt and torque the mounting hardware.

Tools: 13mm, 15mm Sockets, 6mm Allen & Torque Wrench

Torque M8 x 1.25 fasteners: 17 N-m / 12 lbf-ft

Torque M10 x 1.5 fasteners: 33 N-m / 24 lbf-ft

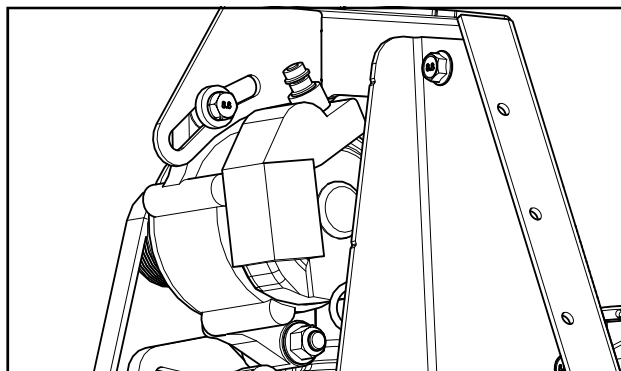


Fig. 2.20 (Auxiliary Alternator Hardware)

- 2.22** Reconnect the lead (found under the black boot) to the OEM alternator.

Tools: 10mm Wrench

- 2.23** Plug the wire harness connector into the back of the OEM alternator.

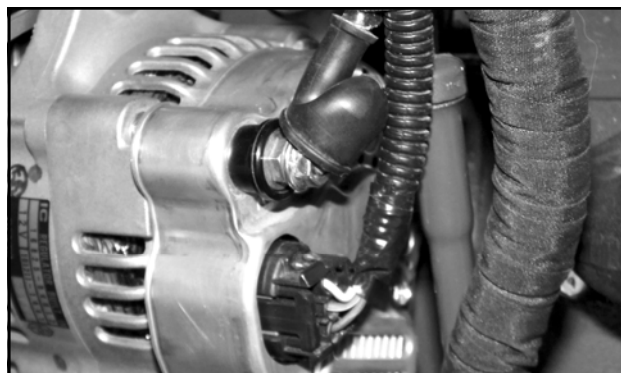


Fig. 2.22 (OEM Alternator Connections)

KIT INSTALLATION

STEP 2: (A/C DRIVE KIT)

- 2.24** Reroute the previously disconnected throttle cable from the front side of the air intake hose to the rear of it. See Fig 2.24.

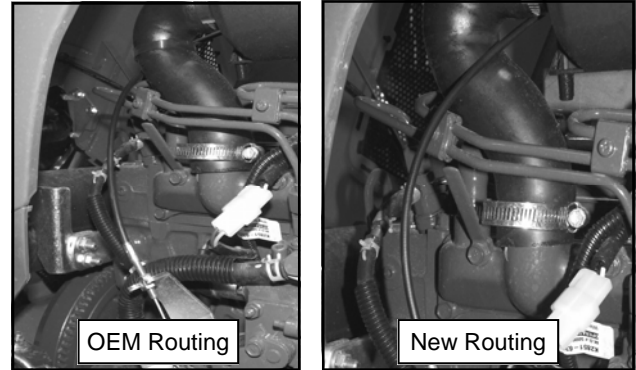


Fig. 2.24 (New Throttle Cable Routing)

- 2.25** Secure throttle cable to the upper radiator hose with supplied zip tie.
- 2.26** If vehicle is equipped with the optional heater, position the supplied rubber coated P-clamp over the coolant line crossing over the top of the engine and fasten to the upper auxiliary alternator bracket.

HW: (1) M6 x 1 x 20mm Bolt
(1) M6 x 1 Lock Nut
(1) 1-1/4" P-Clamp

Tools: 10mm Wrench & Socket

- 2.27** Install the A/C Roof Top Kit P/N **1ACBX80TLRFK** or **1ACBX70TLRFK** if you have not already done so.

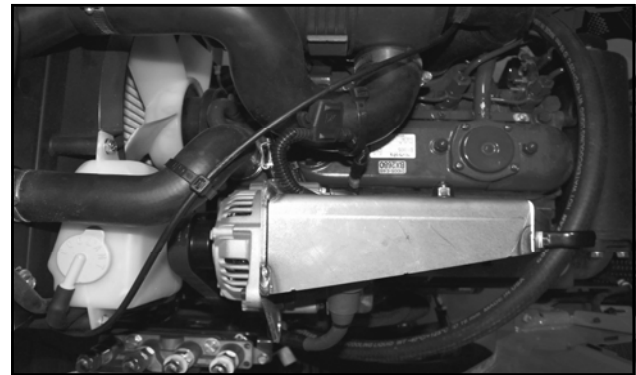


Fig. 2.25 (Securing Throttle Cable & Heater Line)

KIT INSTALLATION

STEP 3: (A/C DRIVE KIT, WIRING)

3.1 Disconnect the battery to starter connection as shown.
Tools: 12mm Wrench

3.2 Discard the OEM red protective boot.



Fig. 3.1 (Battery to Starter Connection)

3.3 Unbolt the chassis ground as shown and set aside the fasteners for future use.

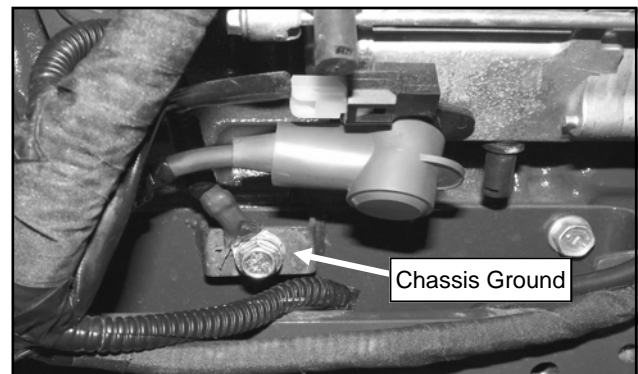


Fig. 3.3 (Engine Ground)

3.4 Prepare the power supply harness for routing by laying it out on the floor along the right side front tire of the tractor with the end containing the (2) eyelets, female bullet & push-on terminals facing toward the rear of the tractor as shown.

*Note: Temporarily taping the (4) "loose" wires together may make routing easier.

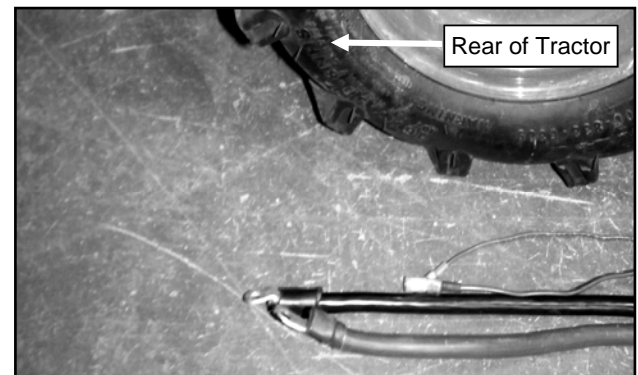


Fig. 3.4 (Power Supply Harness)

3.5 Begin to route the end of the power supply harness **without the red rubber protective boot** rearward over the front loader receiver mount tube as shown.

*Caution: Make sure harness is clear of all moving parts.

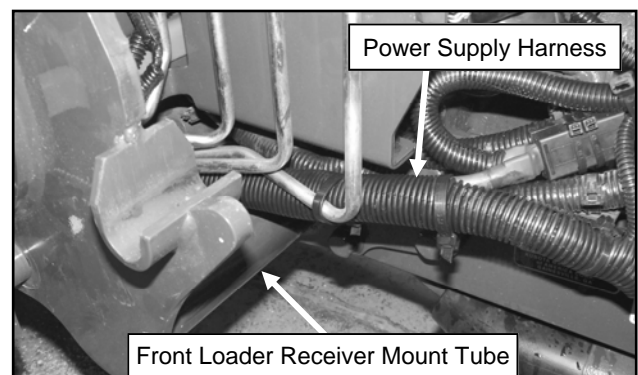


Fig. 3.5 (Power Supply Harness Routing)

KIT INSTALLATION

STEP 3: (A/C DRIVE KIT, WIRING)

- 3.6** Continue following the steel hydraulic lines rearward to before the rear wheel as shown (viewed from under the right side of tractor facing rearward).

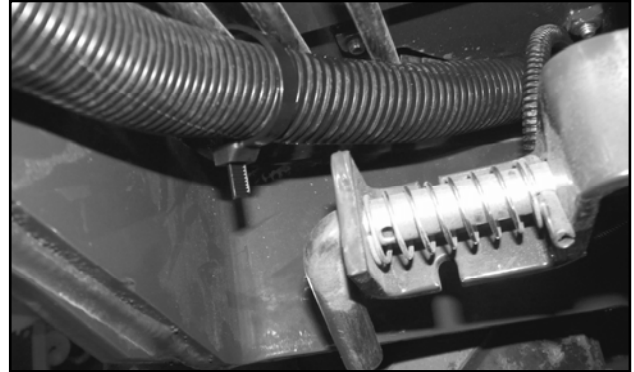


Fig. 3.6 (Power Supply Harness Routing)

- 3.7** Pass the harness up and over the hydraulic lines at the transaxle keeping away from the moving handle linkages and tire as shown (viewed from the rear of tractor).

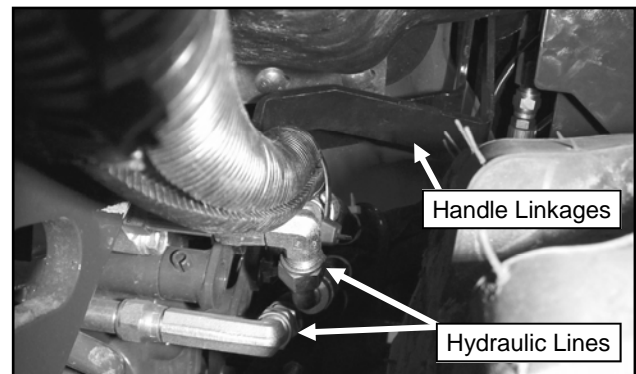


Fig. 3.7 (Power Supply Harness Routing)

- 3.8** Continue to route the harness rearward and out from under the tractor as shown.

- 3.9** Apply the supplied 6" length of trim-lok to the edge of the rear fender to protect power supply harness from abrasion.



Fig. 3.8 (Power Supply Harness Routing)

- 3.10** Route the harness up along the right side of the vehicle ROP's in front of the rear mount as shown.

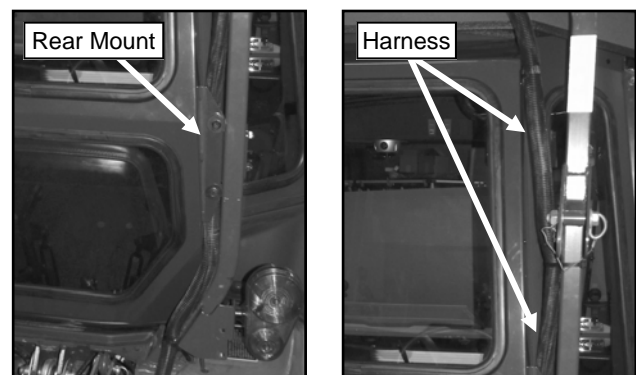


Fig. 3.10 (Power Supply Harness Routing)

KIT INSTALLATION

STEP 3: (A/C DRIVE KIT, WIRING)

- 3.11** Locate the solenoid found at the right front corner of the A/C unit. Remove and set aside the nut and lock washer found on the unoccupied solenoid lug.

*Note: Vent ducting and wires not pertaining to these steps may be hidden for clarity.

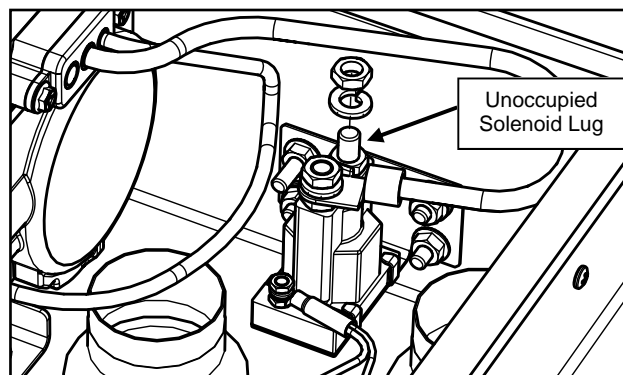


Fig. 3.11 (Solenoid Nut & Washer)

- 3.12** Remove and discard the (3) plastic plugs found at the right rear corner of the A/C unit.
- 3.13** Slip a supplied grommet over both the large red & large black cables, position the grommets approximately 24" from the end of the black cable.
- 3.14** Slip the smaller supplied grommet over both the purple & brown wires as far as the (2) previously installed larger grommets.

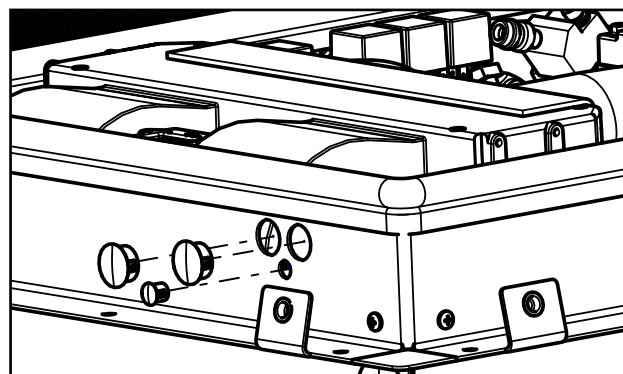


Fig. 3.12 (Plastic Plugs)

- 3.15** Feed the (2) smaller wires through the smaller hole found on the rear of the A/C unit & install grommet.
- 3.16** Feed the large red cable through the right hole found on the rear of the A/C unit & install grommet.
- 3.17** Feed the large black cable through the left hole found on the rear of the A/C unit & install grommet.
- 3.18** Once all of the harness wires are through their respective grommets, pull the wire ends toward the front of the unit as shown.

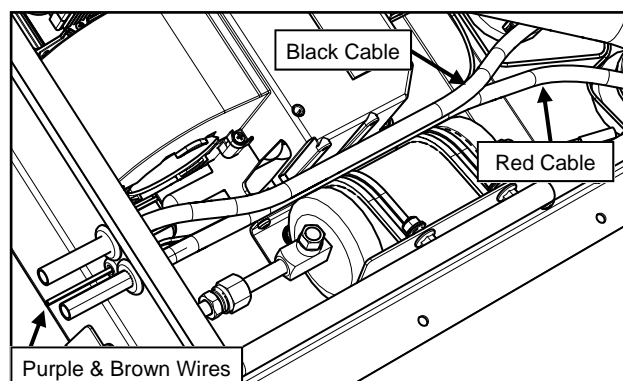


Fig. 3.15 (Wires & Grommets)

- 3.19** Connect the female bullet terminal found on the brown wire of the power supply harness to the male bullet terminal found on the brown wire of the controller.
- 3.20** Connect the male push-on terminal found on the red wire w/white stripe of the controller to the female push-on terminal found on the pink pig-tail coming from the small solenoid lug found at the front of the A/C unit.
- 3.21a** Connect the male (2) pin MLX connector terminated to the black & white w/black stripe wires found on the controller to the female (2) socket MLX connector found on the A/C unit harness.
- 3.21b** Connect the female push-on terminal found on the purple wire of the power supply harness to the male push-on terminal on the purple pigtail coming from the small solenoid lug.

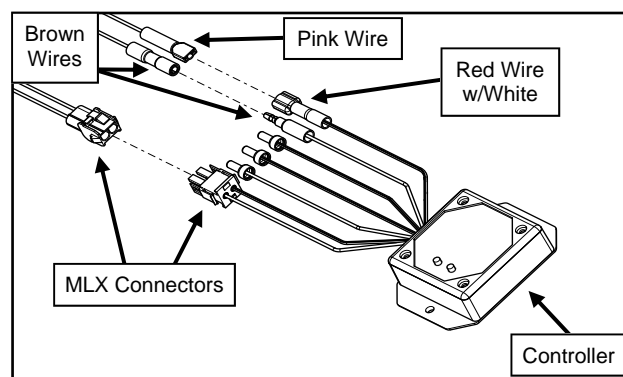


Fig. 3.19 (Controller Connections)

KIT INSTALLATION

STEP 3: (A/C DRIVE KIT, WIRING)

3.22 Position the controller over the studs on the right side of the A/C unit. Fasten the controller to the A/C unit as shown.

HW: (2) #8-32 Nuts

Tools: 11/32" Wrench

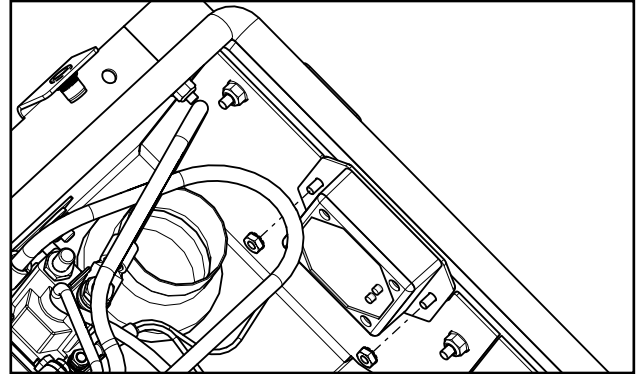


Fig. 3.22 (Controller & Fasteners)

3.23 Make the power connection by positioning the eyelet terminated on the large red cable onto the forward most terminal found on the solenoid as shown. Fasten with the lock washer and nut that was previously removed in step 3.11.

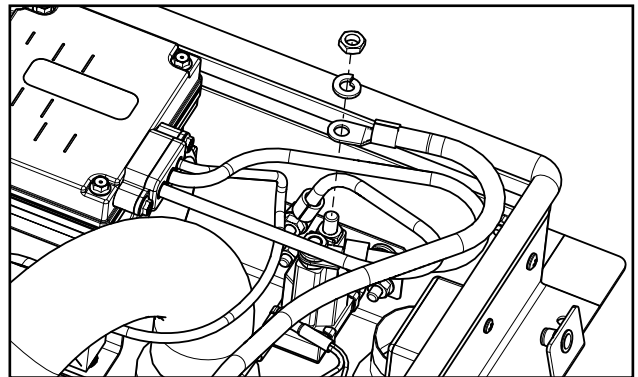


Fig. 3.23 (Power Connection)

3.24 Remove the existing nut and make the ground connection by positioning the eyelet terminated on the large black cable onto the grounding stud (which is also securing the solenoid as shown) and reinstall the nut.

*Note: Ensure the existing wires remain installed on ground stud.

Tools: 7/16" Socket

3.25 Using the (3) small supplied wire ties, secure the power supply harness wires inside the A/C unit.

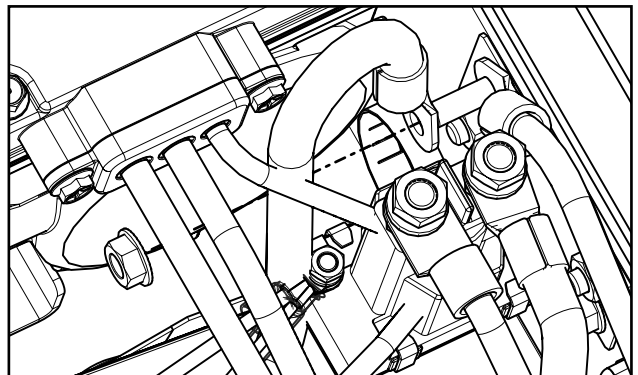


Fig. 3.24 (Ground Connection)

3.26 Connect the 24" long red lead to the auxiliary alternator post. Once connection is tight, verify that the protective boot is fully covering the connection.

3.27 Route the 18-1/2" long brown lead containing the male push-on connector along side of dipstick tube to the short lead found on the auxiliary alternator. Ensure adequate clearance around exhaust manifold.

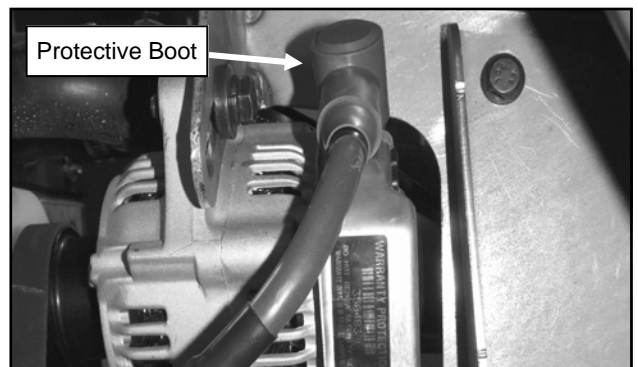


Fig. 3.26 (Auxiliary Alternator Connection)

KIT INSTALLATION

STEP 3: (A/C DRIVE KIT, WIRING)

3.28 Connect the male push-on connector to the short lead attached to the supplied auxiliary alternator.

*Note: If installing on a BX2680 vehicle, proceed to step 3.29.

*Note: If installing on a BX2670-1 vehicle, skip step 3.29 & refer to page 8 of the *1ACBX70TLRFK, A/C Roof Kit* installation instructions for 12-volt ignition power connection then proceed to step 3.30 on this page.

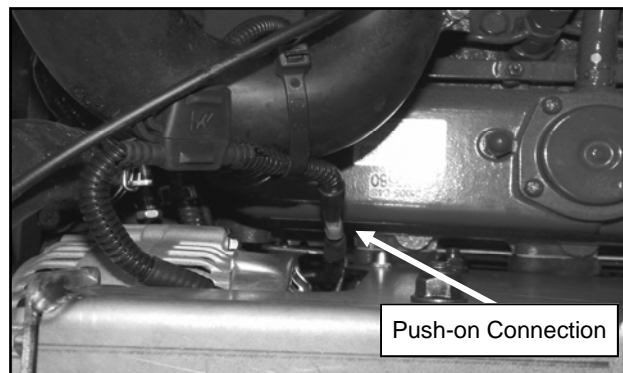


Fig. 3.28 (Auxiliary Alternator Push-on Connection)

3.29 Route the 38" long purple lead of the power supply harness containing the male bullet terminal w/ pig-tail & female bullet terminal up into the battery compartment and connect to the female bullet terminal marked with blue tape.

*Note: If there is already an accessory connected to the female bullet with blue tape, disconnect it and connect it to the pig tail found on the 38" long purple lead of the power supply harness.

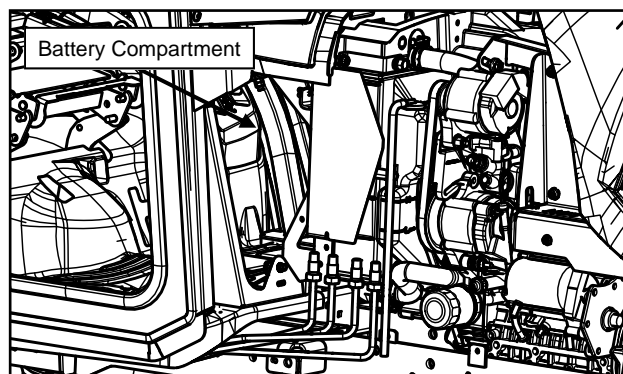


Fig. 3.29 (Battery Compartment)

3.30 Locate the remaining heavy red lead of the power supply harness containing a new red protective boot. Slip the OEM starter cable through the backside of the new red protective boot beside the power supply harness.



Fig. 3.30 (Power Supply Harness & Starter Cable)

3.31 Assemble both the red power supply wire and OEM starter cable onto the starter lug.

Tools: 12mm Wrench

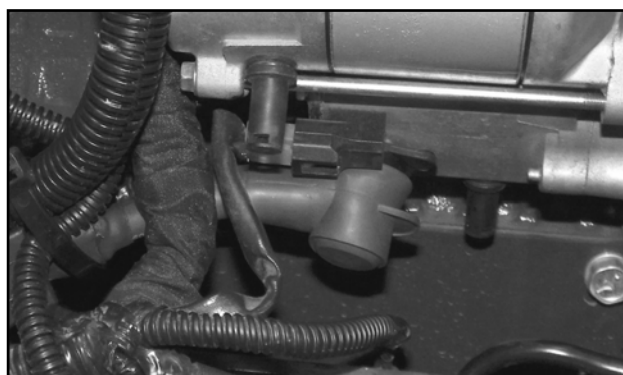


Fig. 3.31 (Battery, A/C & Starter Connection)

KIT INSTALLATION

STEP 3: (A/C DRIVE KIT, WIRING)

3.32 Reassemble the chassis ground along with the black power supply ground wire as shown.

Tools: 13mm Wrench & Socket

3.33 Using the supplied wire ties, secure the power supply harness ensuring adequate clearance around moving parts and away from heat sources.

3.34 Reinstall the negative battery cable.

3.35 Turn engine on and check operation of unit. Give the unit approximately 1 minute to blow cool air.

3.36 Install the large supplied rubber coated P-clamp securing the OEM alternator harnesses.

HW: (3) M8 x 1.25 Flange Lock Nut

Tools: 13mm Wrench & Socket

*Note: When installing the P-clamp retaining nut be sure to prevent the alternator bolt from backing out.

3.37 Secure the 24" long auxiliary alternator lead to the OEM alternator harnesses with the supplied wire ties, ensuring adequate hood clearance.



Fig. 3.32 (Chassis Ground Connection)

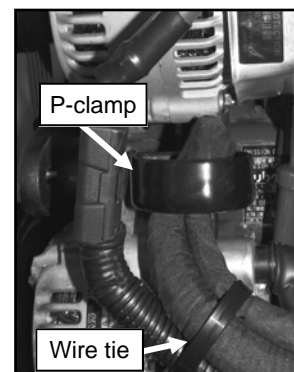
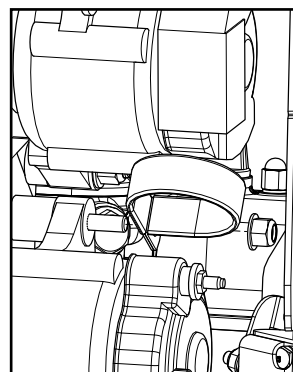


Fig. 3.36 (P-Clamp Position)

3.38 Reinstall the air intake screen as shown.

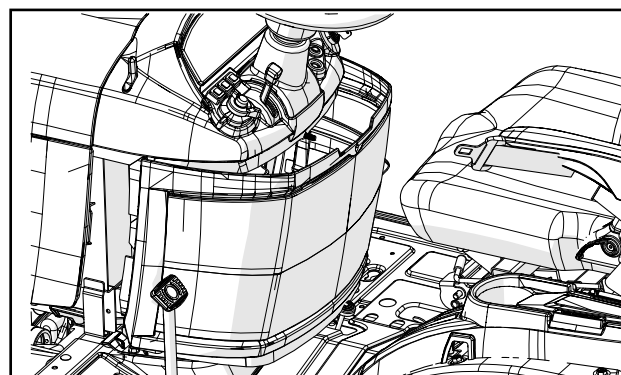


Fig. 3.38 (Air Intake Screen Position)

3.39 Reposition the plastic air intake shroud into the operator's compartment and secure with the previously removed (6) 1/4-20 thumbnuts & (1) OEM thumbnut.

3.40 Taking care that all wires are free from being pinched, refer to the A/C Roof Kit Installation Manual that is specific to the corresponding vehicle and install the top cover to air conditioner.

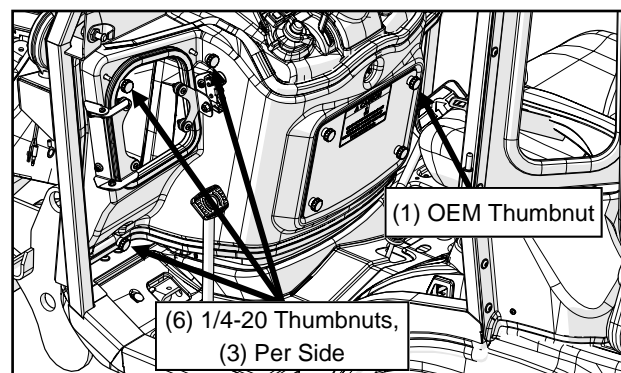


Fig. 3.39 (Plastic Air Intake Shroud)

KIT INSTALLATION

STEP 4: (FINISHING TOUCHES)

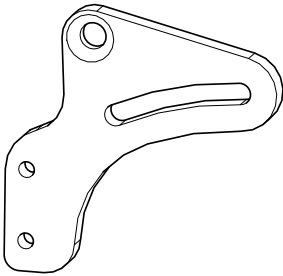
- 4.1** For stability, add a min. of 100 lbs. (45kg) as far below the vehicle's center of gravity as possible. Tire filling ballast is recommended.

CARE AND MAINTENANCE

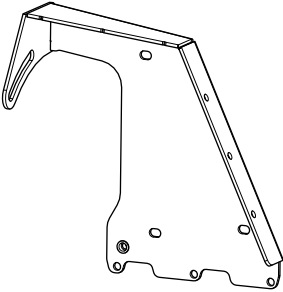
- Check and tighten hardware after 20 hours of operation. Periodically inspect and tighten hardware for the remainder of the unit's life.
- Wash the painted surfaces of the unit with commercial automotive cleaning products.

KUBOTA BX2670-1 & BX2680 A/C DRIVE KIT SERVICE PARTS

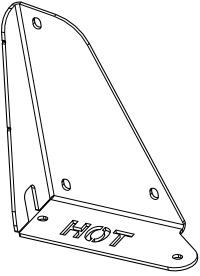
BRACKET, OEM TO AUX ALTERNATOR
P/N: 8SV-SM-00811-ZC



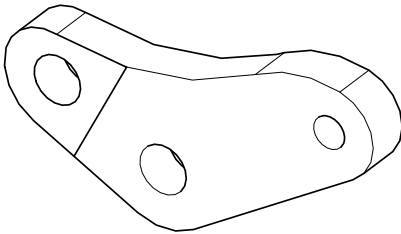
BRACKET, UPPER AUX ALTERNATOR
P/N: 8SV-110-00041



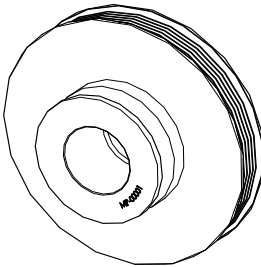
GUSSET, AUX ALT TO MANIFOLD
P/N: 8SV-SM-00804



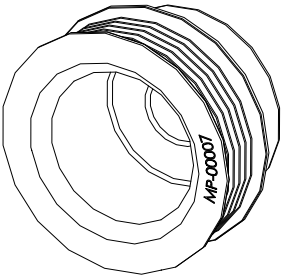
BRACKET, OEM ALT, LOWER MOUNT
P/N: 8SV-SM-00810-ZC



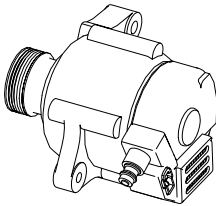
PULLEY, OEM ALTERNATOR
P/N: 9SV-MP-00001



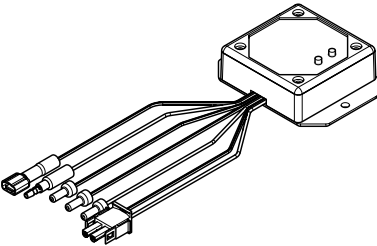
PULLEY, AUX ALTERNATOR
P/N: 9SV-MP-00007



ALTERNATOR, PULLEY, SPACER,
AND WIRE HARNESS
P/N: 8SV-114-00010



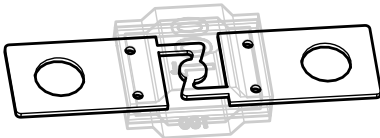
PROGRAMMED CONTROLLER
P/N 8SV-114-00016



BELT
P/N: 9SV-9BLT-03



FUSE
P/N: 9SV-85-00-0011



ADDITIONAL SERVICE PARTS

PART NUMBER	DESCRIPTION
9SV-HWK-00074	HARDWARE KIT, A/C DRIVE KIT, ACBX26
9SV-WH-00054	WIRE HARNESS, A/C POWER SUPPLY, 15' LONG




BOLT TORQUE

BOLT TORQUE SPECIFICATIONS

GENERAL TORQUE SPECIFICATION TABLE

Use the following torques when special torques are not given. These values apply to fasteners as received from suppliers, dry, or when lubricated with normal engine oil. They do not apply if special graphited or moly disulphide greases or other extreme pressure lubricants are used. This applies to both UNF and UNC threads. Remember to always use grade five or better when replacing bolts.

IMPORTANT: On all PLATED GRADE 8 bolts, reduce torque 15% from listed bolt torque specification.

SAE Grade No.		2				5				8*			
Bolt head identification mark as per grade. NOTE: Manufacturing Marks Will Vary													
Bolt Size		TORQUE				TORQUE				TORQUE			
		Pounds Feet		Newton-Meters		Pounds Feet		Newton-Meters		Pounds Feet		Newton-Meters	
Inches	Millimeters	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.
1/4	6.35	5	6	7	8	9	11	12	15	12	15	16	20
5/16	7.94	10	12	14	16	17	20.5	23	28	24	29	33	39
3/8	9.53	20	23	27	31	35	42	48	57	45	54	61	73
7/16	11.11	30	35	41	47	54	64	73	87	70	84	95	114
1/2	12.70	45	52	61	70	80	96	109	130	110	132	149	179
9/16	14.29	65	75	88	102	110	132	149	179	160	192	217	260
5/8	15.88	95	105	129	142	150	180	203	244	220	264	298	358
3/4	19.05	150	185	203	251	270	324	366	439	380	456	515	618
7/8	22.23	160	200	217	271	400	480	542	651	600	720	814	976
1	25.40	250	300	339	406	580	696	787	944	900	1080	1220	1464
1-1/8	25.58	-	-	-	-	800	880	1085	1193	1280	1440	1736	1953
1-1/4	31.75	-	-	-	-	1120	1240	1519	1681	1820	2000	2468	2712
1-3/8	34.93	-	-	-	-	1460	1680	1980	2278	2380	2720	3227	3688
1-1/2	38.10	-	-	-	-	1940	2200	2631	2983	3160	3560	4285	4827

*Thick Nuts must be used with Grade 8 bolts

METRIC BOLT TORQUE SPECIFICATIONS

		5.6			8.8			10.9		
Size of Screw	Property Class	Course Thread			Fine Thread					
		Pitch (mm)	Pounds Feet	Newton-Meters	Pitch (mm)	Pounds Feet	Newton-Meters			
M6	5.6	1.0	3.6-5.8	4.9-7.9	-	-	-			
	8.8		5.8-9.4	7.9-12.7		-	-			
	10.9		7.2-10	9.8-13.6		-	-			
M8	5.6	1.25	7.2-14	9.8-19	1.0	12-17	16.3-23			
	8.8		17-22	23-29.8		19-27	25.7-36.6			
	10.9		20-26	27.1-35.2		22-31	29.8-42			
M10	5.6	1.5	20-25	27.1-33.9	1.25	20-29	27.1-39.3			
	8.8		34-40	46.1-54.2		35-47	47.4-63.7			
	10.9		38-46	51.5-62.3		40-52	54.2-70.5			
M12	5.6	1.75	28-34	37.9-46.1	1.25	31-41	42-55.6			
	8.8		51-59	69.1-79.9		55-68	75.9-92.1			
	10.9		57-66	77.2-89.4		62-75	84-101.6			
M14	5.6	2.0	49-56	66.4-75.9	1.5	52-64	70.5-86.7			
	8.8		81-93	109.8-126		90-106	122-143.6			
	10.9		96-109	130.1-147.7		107-124	145-168			
M16	5.6	2.0	67-77	90.8-104.3	1.5	69-83	93.6-112.5			
	8.8		116-130	157.2-176.2		120-138	162.6-187			
	10.9		129-145	174.8-196.5		140-158	189.7-214.1			
M18	5.6	2.0	88-100	119.2-136	1.5	100-117	136-158.5			
	8.8		150-168	203.3-227.6		177-199	239.8-269.6			
	10.9		175-194	237.1-262.9		202-231	273.7-313			
M20	5.6	2.5	108-130	146.3-176.2	1.5	132-150	178.9-203.3			
	8.8		186-205	252-277.8		206-242	279.1-327.9			
	10.9		213-249	288.6-337.4		246-289	333.3-391.6			