

Genuine Accessories



Vehicle Model Veloster
Model Year 2019~
Part No. J3F19 AU200 (DIO)
J3F19 AU700 (PIO)
Language English
Rev. Date 04/09/2019

Accessory Sport Shifter Kit
Difficulty (B)

Note: Difficulty stated above reflects the minimum level of expertise required to install the accessory.
 (A) Customer
 (B) Dealer Technician
 (C) Master Technician or Specialist

Application Notes

This Kit applies to Manual Transmission models Only.

Instructional Symbols / Definitions



Denotes warnings that may lead to serious physical injury or vehicle damage.



Denotes quality processes to be checked prior to moving to the next step.

Denotes safety equipment required to be used such as a mask, safety glasses, gloves, or hearing protection.



Denotes cautions to be taken to avoid physical injury or electronic component damage.



Denotes specific tools that are necessary to complete the step.



Denotes cautions to be taken to avoid vehicle and component damage.

**N
O
T
E**

Denotes instructional steps necessary to complete the process.



Mask



Safety Glasses

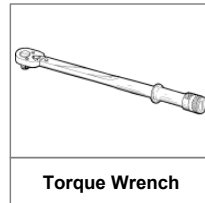
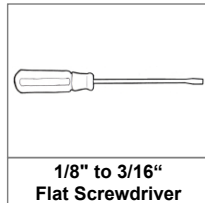
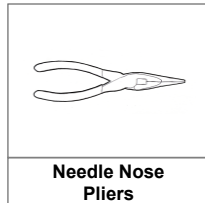
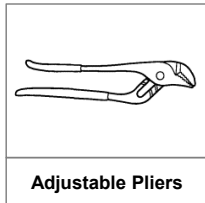
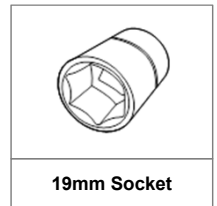
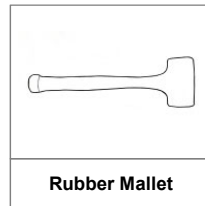
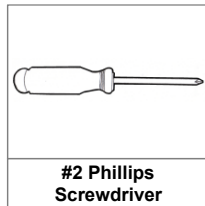
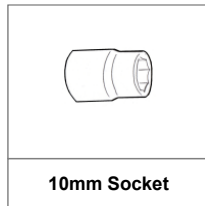
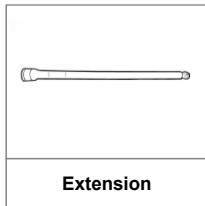
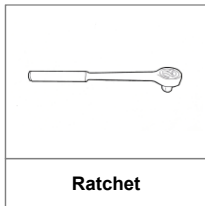


Gloves



Hearing Protection

Basic Required Tools



Part Weight (Gross)

1.19 lbs
0.54 kg

Part Weight (Net)

0.13 lbs
0.06 kg

FMVSS 110 Compliance Information

All dealers must determine if the weight they have added in the form of all options or accessories, when added to the weight of all Port/Dealer Installed options or accessories, exceeds the lesser of 1.5% of GVWR or 100 lbs. If the additional weight does exceed the lesser of the indicated thresholds, a "Load Carrying Capacity Reduced" label must be installed. A black, fine-point, indelible marker must be used to write by hand onto the label, the reduced carrying capacity in kilograms or pounds, which is the total weight of all added options and accessories.

Load Label Part Number: NP070 – 09003

Notes to the Installer:

- 1) Read the entire Installation Instructions prior to beginning the installation of this accessory.
- 2) Make sure the vehicle is completely clean and dry in the area(s) the part is to be installed.
- 3) Ensure the vehicle is properly protected in the area(s) that the accessory is to be installed.
- 4) NEVER place tools on painted surfaces, seating surfaces, dash pad, console or floor carpet / mats.
- 5) Always wear appropriate personal protective equipment, including gloves, safety glasses, etc., when required.
- 6) Roll down the driver's window and adjust the power seats (if applicable) prior to disconnecting battery power, if needed.

Genuine Accessories

Kit Overview


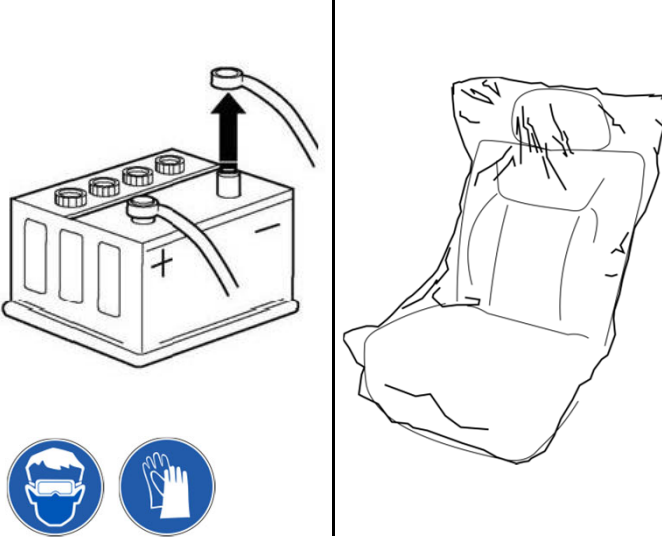





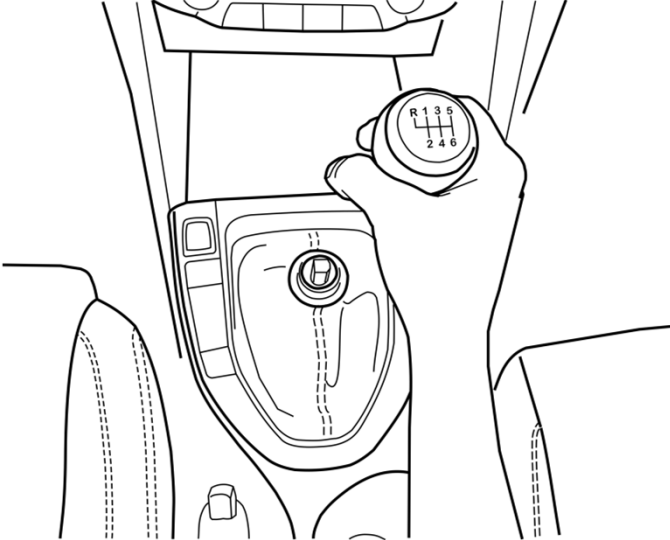

No.	Qty.	Description:	No.	Service Part Number	Description:
1	1	Shift Lever	1	J3F19 AU210	Shift Lever
2	1	Reverse Lockout Sleeve	2 & 5	J3F19 AU230	Reverse Lockout Sleeve & Roll Pin
3	1	Shift Knob (with O-Ring)	3 & 4	J3F19 AU220	Shift Knob & Shift Knob Insert (with O-Rings)
4	1	Shift Knob Insert (with O-Ring)			
5	1	Roll Pin			
6	1	Grease			


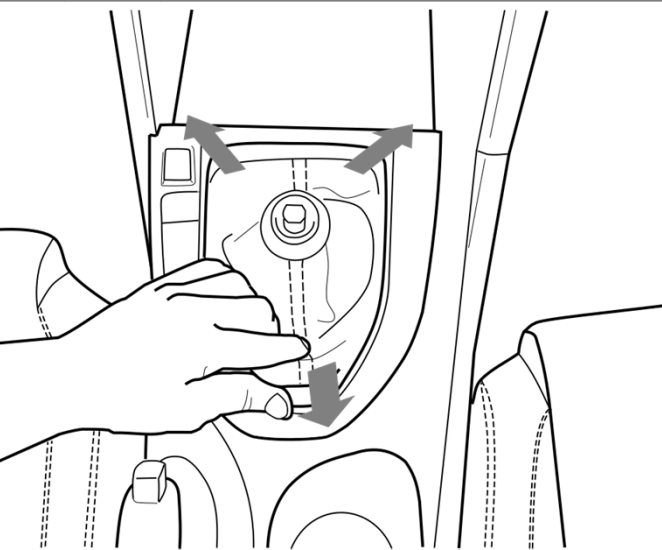

Radio Presets - record customer preset frequencies before disconnecting battery power


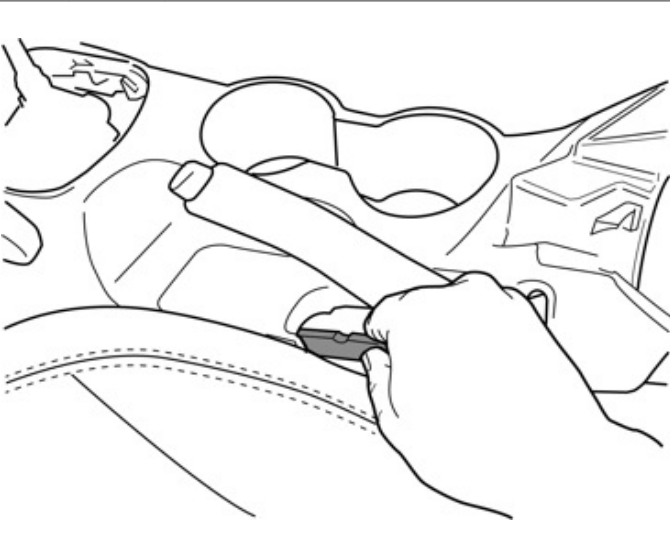

FM1 _____	FM2 _____	FM3 _____	FM4 _____	FM5 _____
FM6 _____	FM7 _____	FM8 _____	FM9 _____	FM10 _____
AM1 _____	AM2 _____	AM3 _____	AM4 _____	AM5 _____
SAT1 _____	SAT2 _____	SAT3 _____	SAT4 _____	SAT5 _____

Genuine Accessories


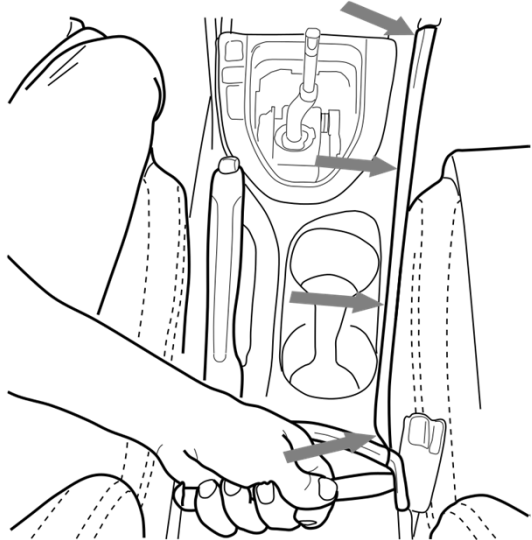

1		Ratchet, Extension and 10mm Socket
		
		
N O T E	<p>A. Place disposable seat cover if not present. B. Record any pre-set radio stations (if applicable). C. Use ratchet, extension and 10mm socket to disconnect and isolate the vehicle's negative battery cable.</p>	
	<p>WARNING! Shock Hazard. Do not touch vehicle's negative battery terminal to vehicle's positive battery terminal. Serious injury and damage to the vehicle may occur.</p>	


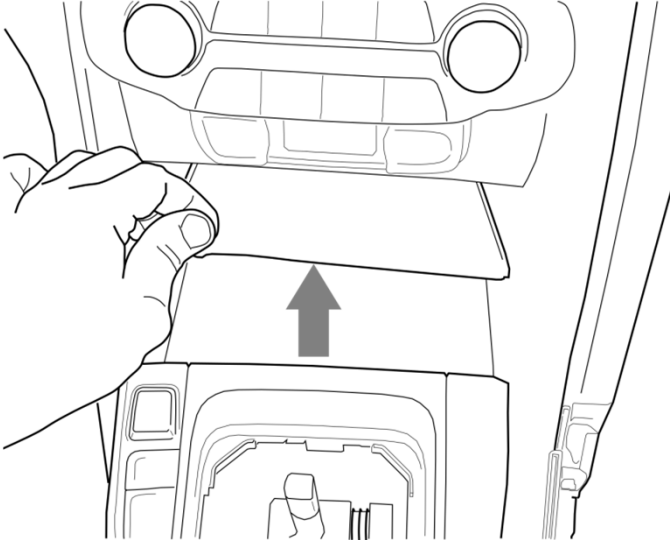

2		
		
N O T E	<p>A. Fully set the parking brake. B. Pull the shift knob firmly upward to release it from the shift lever. C. Remove and retain the reverse lockout collar spring.</p>	
	<p>Retain spring for reinstallation.</p>	


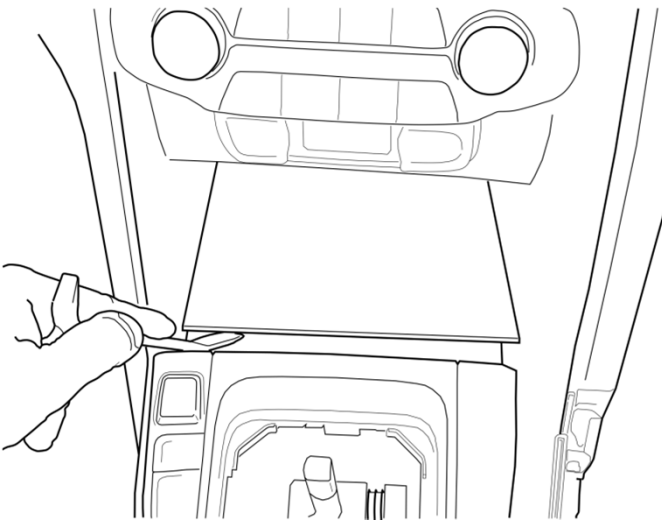

3		
		
N O T E	<p>A. Separate the shifter boot from the center console by pulling the boot ring (under the leather) straight up, to release the seven (7) locking tabs. B. Lift the shifter boot off of the shift lever. NOTE: Experienced installers may leave the boot attached in place, adjust following procedures accordingly.</p>	
	<p>Store assembled boot and collar in a safe location until reinstallation.</p>	




4		Trim Panel Removal Tool
		
N O T E	<p>A. Use trim panel removal tool to pry the parking brake trim cover up and off of the center console cover.</p>	
	<p>Store parking brake trim cover in a safe location until reinstallation.</p>	

Genuine Accessories


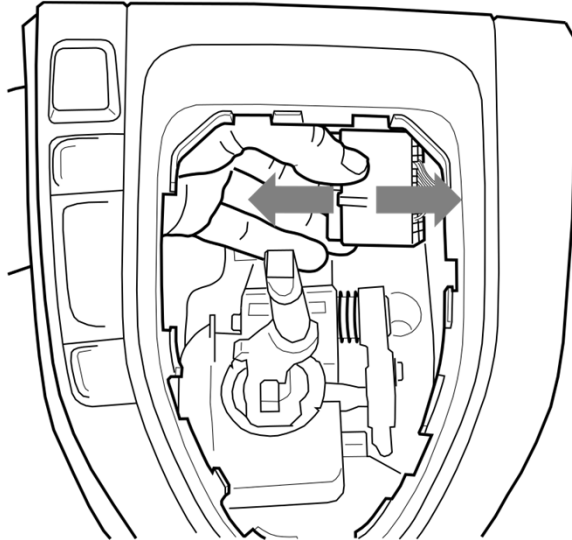

5		Trim Panel Removal Tool
		
N O T E	<p>A. Open the center console lid. B. Remove the right (passenger) side panel from the console using trim panel removal tool, starting at the rear and working forward.</p>	
	<p>Store right side panel in a safe location until reinstallation.</p>	


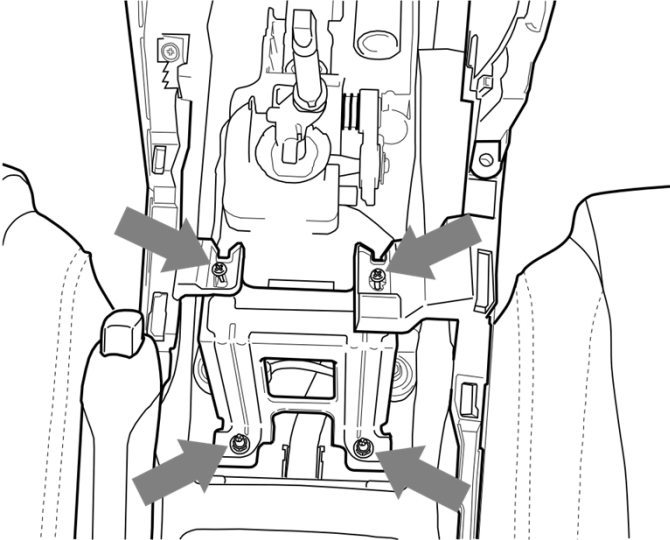

6		
		
N O T E	<p>A. Lift and remove the rubber mat from the flat panel in front of the shifter opening.</p>	
	<p>Store rubber mat in a safe location until reinstallation.</p>	


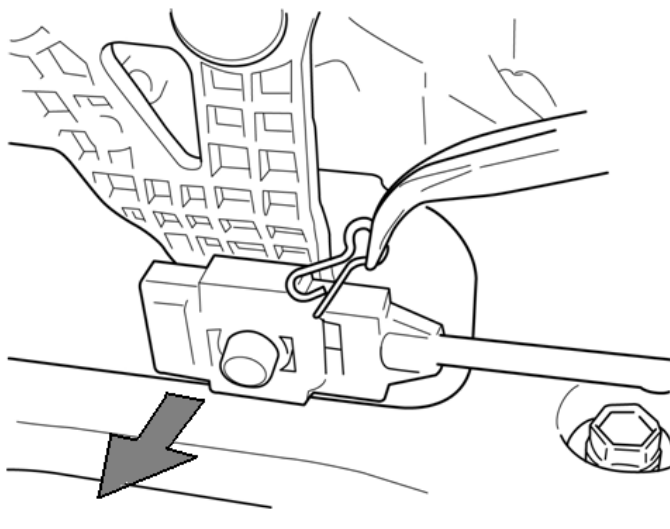

7		Trim Panel Removal Tool
		
N O T E	<p>A. Use trim panel removal tool to lift and remove the flat panel in front of the shifter opening. Use shop towel to prevent damage to plastic trim.</p>	
	<p>Store panel in a safe location until reinstallation.</p>	


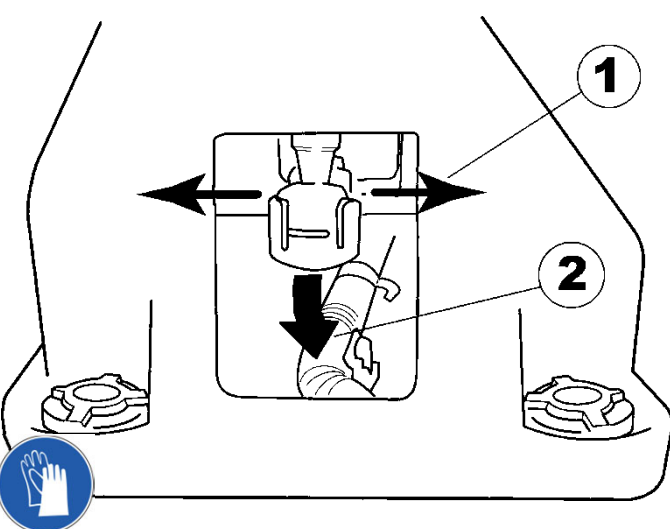

8		
		
N O T E	<p>A. Carefully separate the center console cover from the console base by lifting up at the rear and working forward, do not remove the cover from the vehicle at this time.</p>	
	<p>To avoid possible damage to wiring, do not remove the center console cover until the next step.</p>	

Genuine Accessories


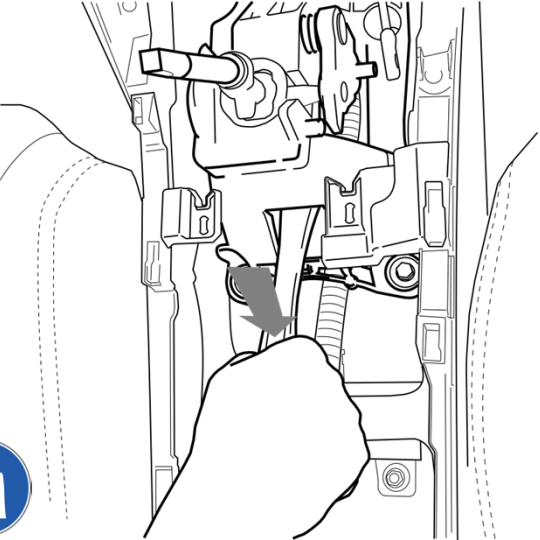
9		
		
N O T E	<p>A. Under the front of the console cover, locate and disconnect the White (34-PIN) connector.</p> <p>B. Remove the console cover from the vehicle.</p>	
	<p>Store center console cover in a safe location until reinstallation.</p>	


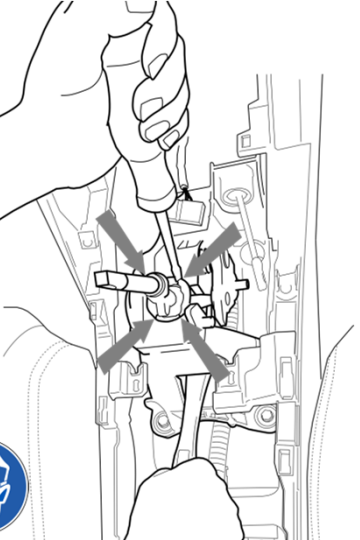

10		Ratchet, Extension, 10mm Socket, and #2 Phillips Screwdriver
		
N O T E	<p>A. Use a #2 Phillips screwdriver to remove the two (2) screws at the front / top of the console support bracket.</p> <p>B. Use a ratchet, extension and 10mm socket to remove the two (2) nuts at the rear / bottom of the console support bracket.</p> <p>C. Remove the console support bracket from the vehicle.</p>	
	<p>Store console support bracket and fasteners in a safe location until reinstallation.</p>	


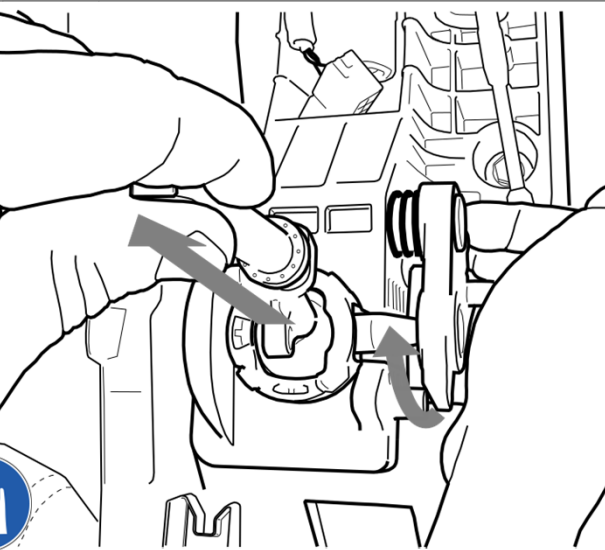
11		Needle Nose Pliers
		
N O T E	<p>A. On the right (passenger) side of the shifter assembly, use needle nose pliers to remove the pin securing the cable end to the side pivot arm.</p> <p>B. Slide the cable end off of the side pivot arm.</p>	
	<p>Retain pin for reinstallation.</p>	


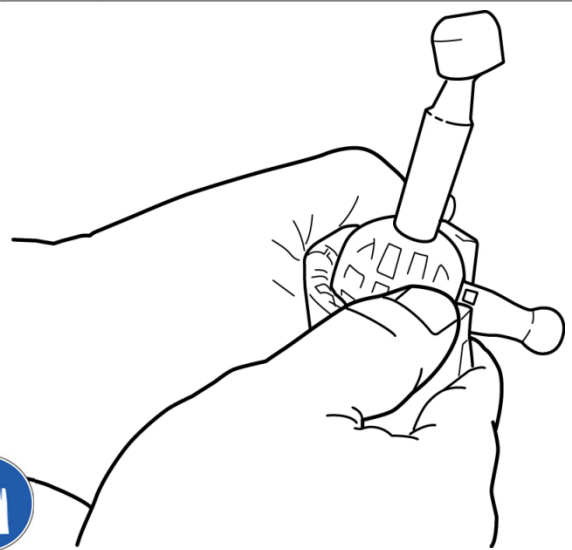

12		Small Flat Screwdriver
		
N O T E	<p>A. Through the opening at the rear of the shifter base, use a small flat screwdriver to spread the spring clip.</p> <p>B. Pull the cable end off of the pivot cup.</p>	
		

Genuine Accessories


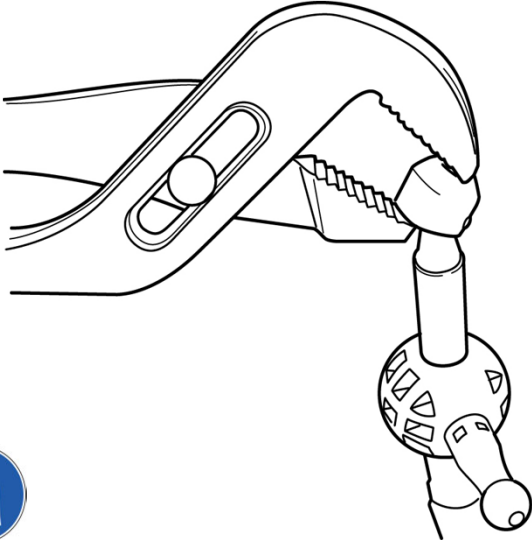


13		Ratchet and 19mm Socket
		
<div style="display: flex; align-items: center;"> <div style="background-color: #cccccc; padding: 5px; text-align: center; width: 30px;"> N O T E </div> <div style="padding-left: 10px;"> <p>A. Slip a ratchet with a 19mm socket through the opening at the rear of the shifter base. Cradle the pivot cup with the socket, and gently push down to apply upward pressure on the bottom of the shift lever.</p> </div> </div>		


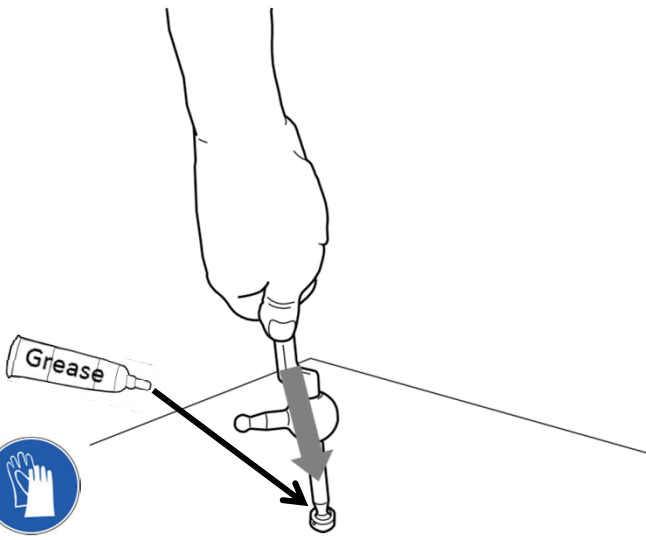


14		1/8" to 3/16" Flat Screwdriver, Ratchet and 19mm Socket
		
<div style="display: flex; align-items: center;"> <div style="background-color: #cccccc; padding: 5px; text-align: center; width: 30px;"> N O T E </div> <div style="padding-left: 10px;"> <p>A. While applying gentle upward pressure to the shift lever, use a 1/8" to 3/16" flat screwdriver to carefully release the four (4) locking tabs that are equally-spaced around the main pivot ball housing to release the housing and shift lever from the base.</p> </div> </div>		
<div style="display: flex; align-items: center;"> <div style="background-color: #ffff00; padding: 5px; text-align: center; width: 30px;">  </div> <div style="padding-left: 10px;"> <p>Always wear safety glasses and use care when prying, to prevent injury from slipping tools. Avoid damage to the plastic shifter base and main pivot ball housing, as they will be re-used.</p> </div> </div>		


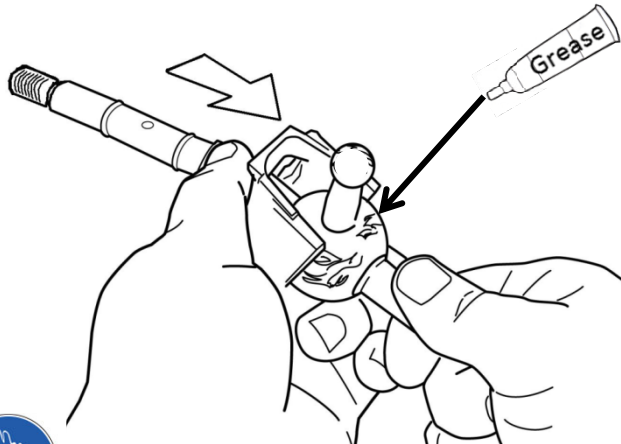


15		
		
<div style="display: flex; align-items: center;"> <div style="background-color: #cccccc; padding: 5px; text-align: center; width: 30px;"> N O T E </div> <div style="padding-left: 10px;"> <p>A. Once the main pivot ball housing tabs are released from the shifter base, lift the shift lever upward while rotating the side pivot arm upward, and remove the shift lever assembly from the base.</p> </div> </div>		


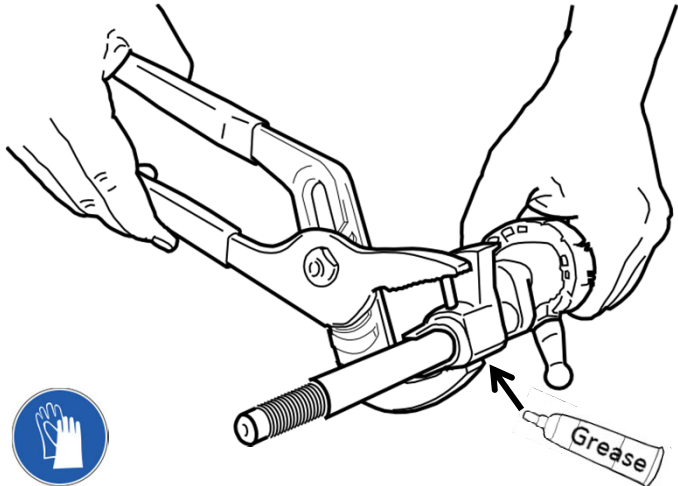


16		
		
<div style="display: flex; align-items: center;"> <div style="background-color: #cccccc; padding: 5px; text-align: center; width: 30px;"> N O T E </div> <div style="padding-left: 10px;"> <p>A. Unsnap the main pivot ball housing from the shifter by pushing the housing off over the pivot ball.</p> </div> </div>		
<div style="display: flex; align-items: center;"> <div style="background-color: #ffff00; padding: 5px; text-align: center; width: 30px;">  </div> <div style="padding-left: 10px;"> <p>Avoid damaging the soft plastic pivot ball housing as it will be re-used.</p> </div> </div>		

Genuine Accessories


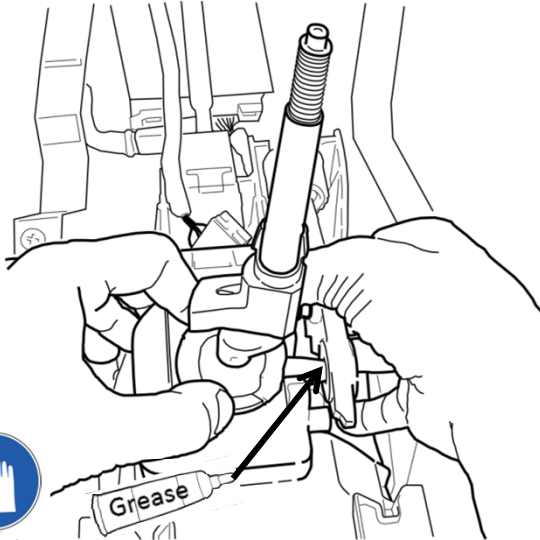

17		Adjustable Pliers
		
		
N O T E	<p>A. Remove the pivot cup from the lower pivot ball with adjustable pliers. To protect the pivot cup, use a towel over the plier jaws.</p>	
	<p>Avoid damaging the soft plastic pivot cup as it will be re-used.</p>	


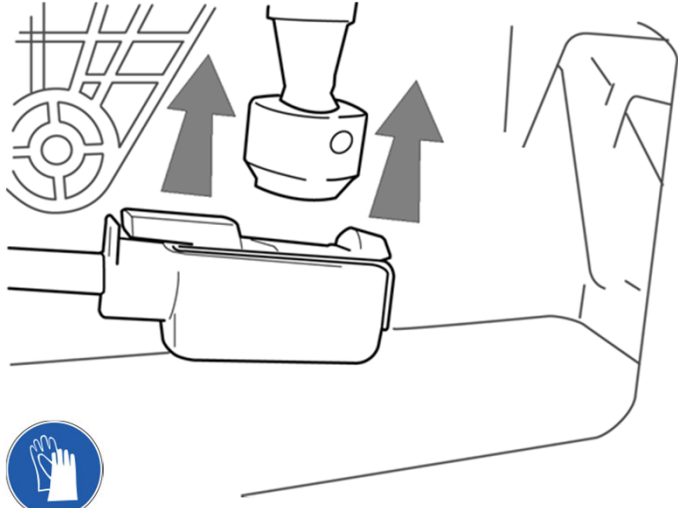

18		
		
		
N O T E	<p>A. On the accessory shift lever, apply the supplied grease to the lower pivot ball. B. Place the pivot cup on a bench or other hard surface, and push the lower pivot ball into the cup.</p>	
	<p>Caution: Apply grease with protective gloves. Ensure the entire lower pivot ball is covered with grease. Ensure the pivot ball is fully seated in the cup.</p>	


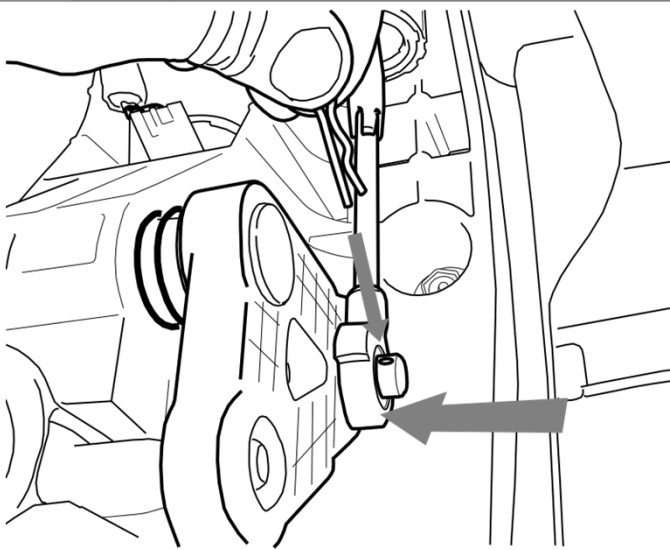
19		
		
		
N O T E	<p>A. Apply grease to the main pivot ball. B. Slip the main pivot ball housing over the top of the shift lever and snap it onto the main pivot ball.</p>	
	<p>Caution: Apply grease with protective gloves. Ensure the entire main pivot ball is covered with grease.</p>	


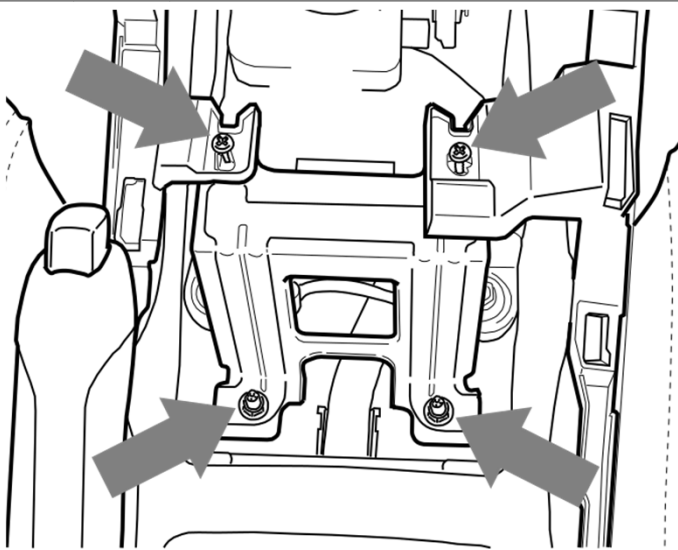
20		Adjustable Pliers
		
		
N O T E	<p>A. Apply grease to the reverse lockout sleeve contact area on the shift lever. B. Slip the lockout sleeve over the shift lever, aligning the hump with the offset (lower) part of the lever. C. Use adjustable pliers to squeeze the roll pin through the lockout sleeve and shift lever.</p>	
	<p>Caution: Apply grease with protective gloves. Ensure the entire reverse lockout sleeve contact area is covered with grease.</p>	

Genuine Accessories


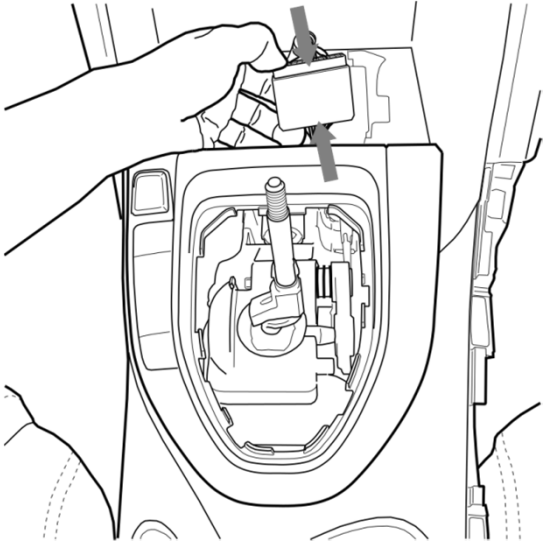

21		
N O T E	<p>A. Apply grease to the side pivot ball.</p> <p>B. On the shifter base, rotate the side pivot arm upward, align the shift lever over the base, and snap the side pivot ball into the pivot arm.</p> <p>C. Push the shift lever and main pivot ball housing into the shifter base until the four (4) locking tabs "click."</p>	
	<p>Caution: Apply grease with protective gloves. Ensure the entire ball is covered with grease. Ensure the four (4) tabs "click" and lock into place, then pull up on the shift lever to verify that the main pivot ball housing is securely retained in the base.</p>	


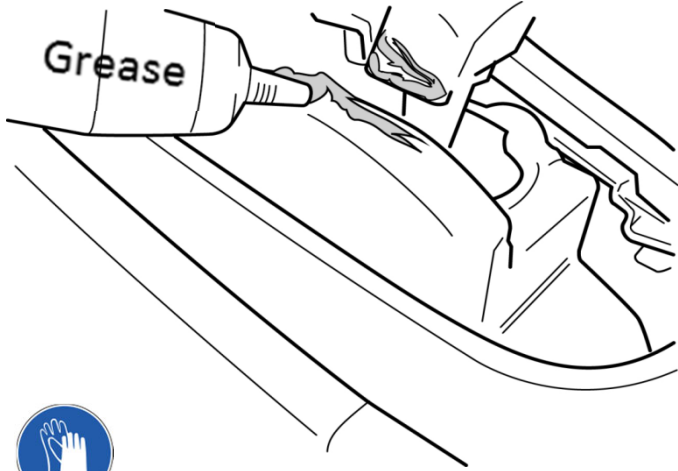

22		
N O T E	<p>A. Reinstall the lower cable end onto the pivot cup.</p>	
	<p>Ensure that the wire clip in the cable end has snapped closed, securing the cable end to the pivot cup.</p>	


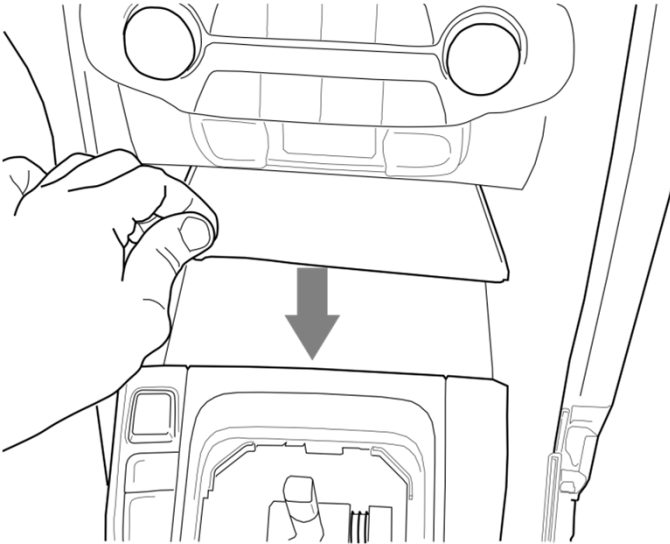

23		
N O T E	<p>A. Reinstall the side cable end onto the side pivot arm.</p> <p>B. Secure the cable end to the side pivot arm using the pin.</p>	


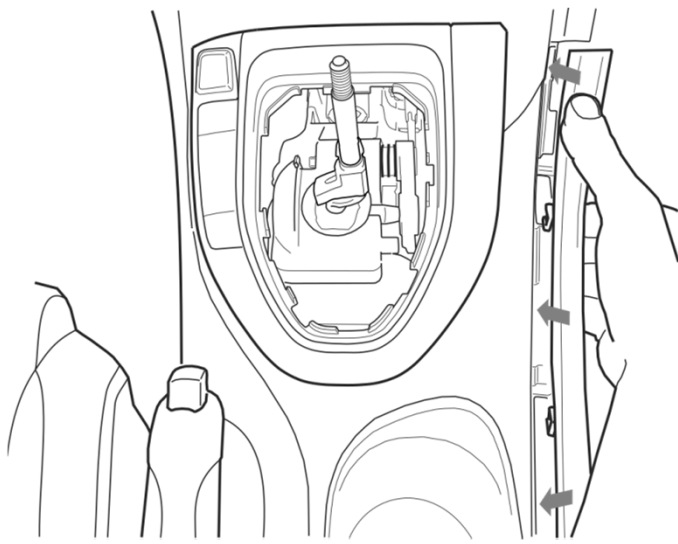
24		<p>Ratchet, Extension, 10mm Socket, #2 Phillips Screwdriver, and Torque Wrench</p> 
N O T E	<p>A. Reinstall the console support bracket.</p> <p>B. Secure the bracket with two (2) nuts at rear / bottom, and two (2) screws at front / top, of console support bracket.</p> <p>C. Torque nuts to 4.5 N·m (0.46 kgf·m, 40 lbs·in).</p>	

Genuine Accessories


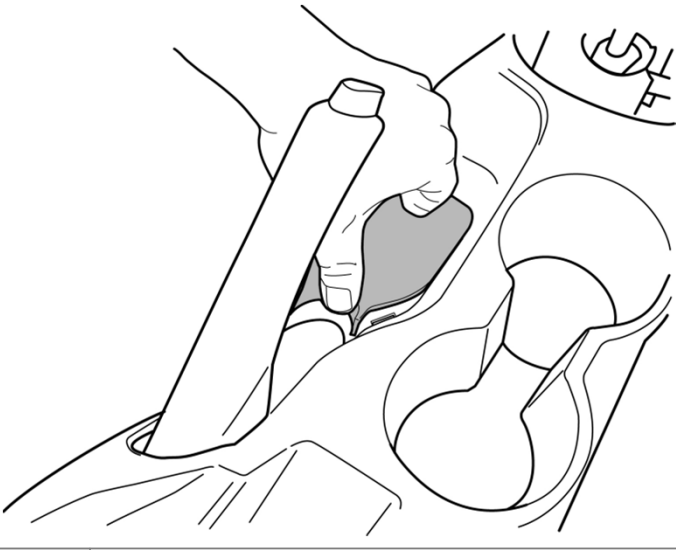
25		
N O T E	<p>A. Ensure that the center console lid is open, and gently lay the console cover over the center console.</p> <p>B. At the front of the console cover, reconnect the White (34-PIN) connector.</p> <p>C. Align the console cover clips and snap the cover into place on the center console.</p>	
	<p>Ensure that the electrical connector is securely connected.</p>	


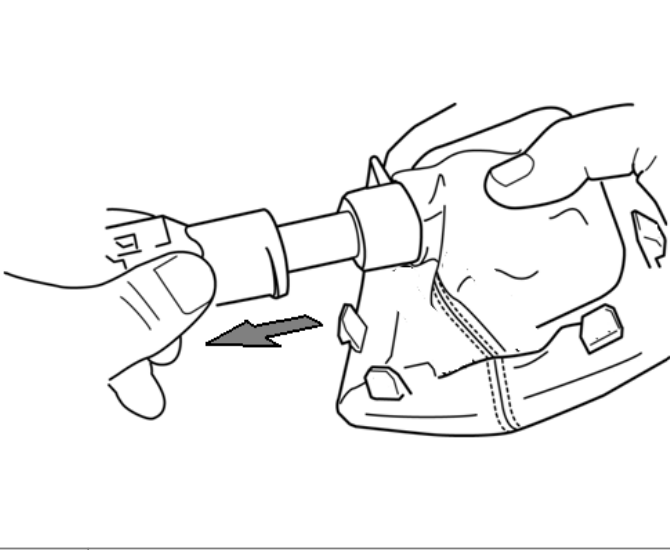
26		
N O T E	<p>A. Apply grease to the contact surfaces at the reverse lockout sleeve and the reverse lockout lip on the shifter base.</p>	
	<p>Caution: Apply grease with protective gloves. Make sure all reverse lockout contact surfaces are covered with grease.</p>	


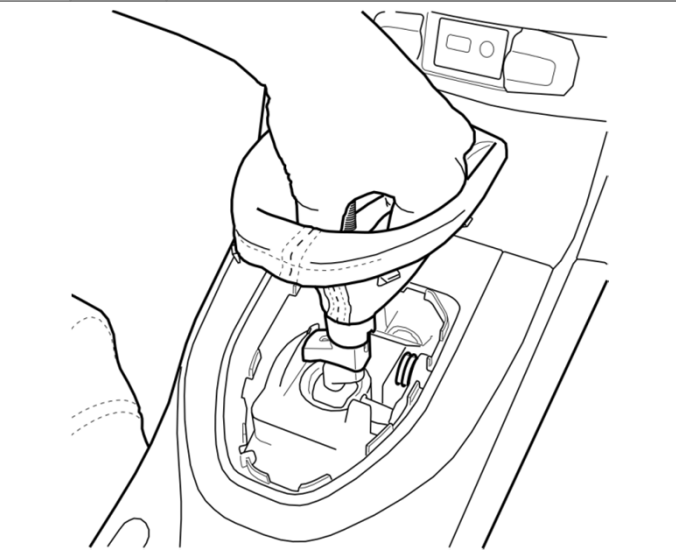

27		
N O T E	<p>A. Reinstall the flat panel into its opening in front of the shifter opening.</p> <p>B. Reinstall the rubber mat on top of the panel.</p>	
	<p>Ensure the flat panel is securely attached on all four (4) sides.</p>	


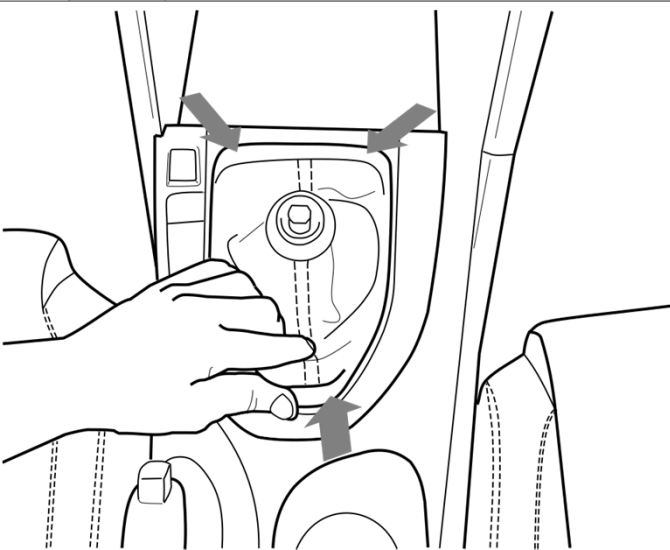
28		
N O T E	<p>A. Ensure that the center console lid is open, and reinstall the passenger-side panel on the center console.</p>	

Genuine Accessories


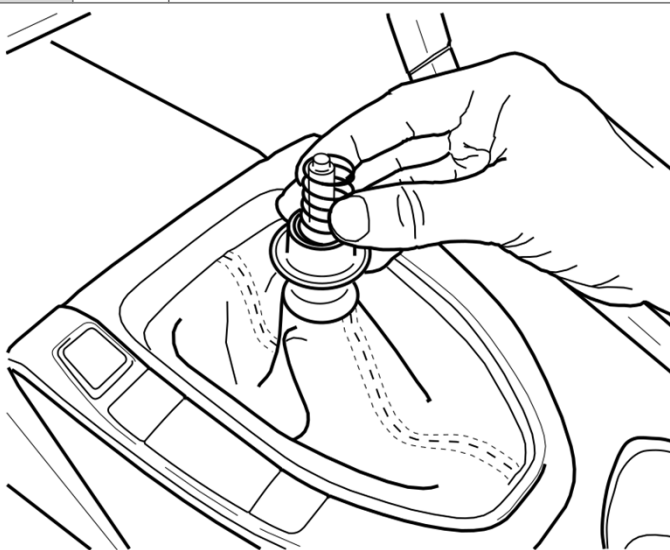
29		
		
NOTE	A. Snap the parking brake trim cover into the center console cover.	


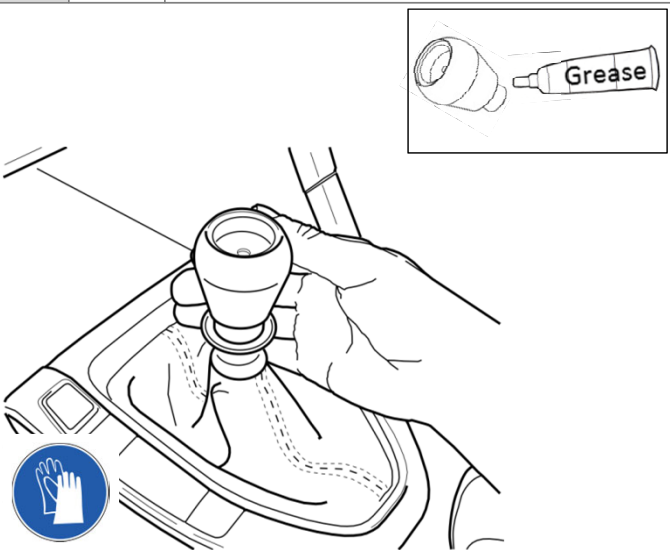

30		
		
NOTE	A. On the underside of the shifter boot, pull the reverse lockout sleeve apart from the reverse lockout collar.	
	B. Discard the reverse lockout sleeve.	


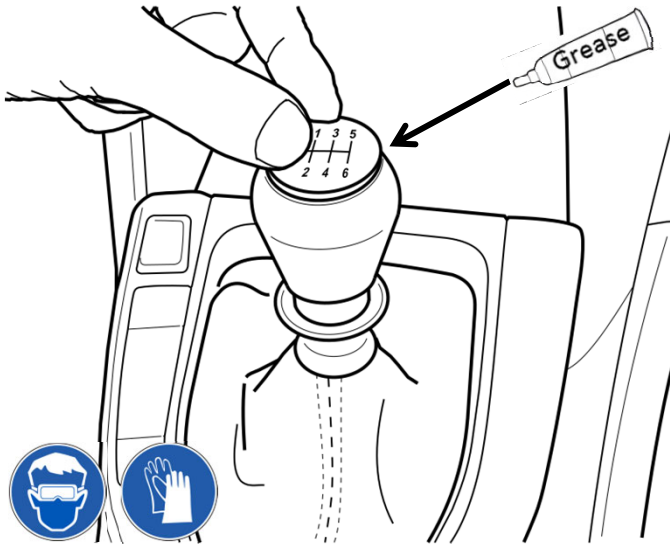

31		
		
NOTE	A. Turn the shifter boot inside out to reveal the bottom of the reverse lockout collar.	
	B. Orient the boot assembly wide end forward, tapered end rearward. Slide it onto the shift lever, and push the reverse lockout collar onto the reverse lockout sleeve until they "click."	
	Ensure the reverse lockout collar and sleeve "click" and lock into place, then pull on them to verify that they are securely attached to each other.	


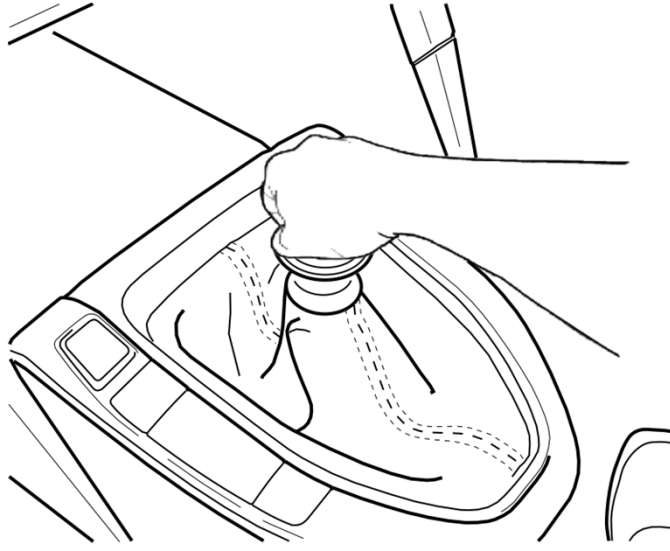

32		
		
NOTE	A. Snap the shifter boot ring back into its opening in the center console.	

Genuine Accessories

33		
		
N O T E	<p>A. Install the reverse lockout collar spring over the end of the shift lever.</p>	



34		
		
N O T E	<p>A. Apply grease to the O-ring on the shift knob. B. Thread the shift knob all the way onto the shift lever and tighten it hand-tight.</p>	
		<p>Caution: Apply grease with protective gloves.</p>

35		Rubber Mallet, Torque Wrench, Ratchet and 10mm Socket
		
N O T E	<p>A. Apply grease to the O-ring on the shift knob insert. B. Correctly orient the shift pattern on the insert and tap it into the shift knob with a rubber mallet. C. Reconnect the negative battery cable, torque to 5.0-6.0 N·m (0.50-0.60 kg·m, 45-52 lbs·in).</p>	
		<p>Caution: Apply grease and reconnect battery cable with protective gloves. WARNING! Shock Hazard. Do not touch vehicle's negative battery terminal to vehicle's positive battery terminal. Serious injury and damage to the vehicle may occur.</p>





36		
		
N O T E	<p>A. Ensure smooth and accurate engagement of all gears and proper operation of the reverse lockout before starting car. Pay special attention to the engagement of First, Second, and Reverse gears.</p>	
		<p>Start the vehicle and statically ensure smooth and proper engagement of all the gears. Ensure the reverse lockout feature operates properly and that the reverse gear is NOT accessible when the collar released. Maneuver the vehicle less than one (1) foot forward in First gear and less than one (1) foot rearward in Reverse gear to verify proper operation.</p>

Genuine Accessories


Visual Check

Items to be Checked		Results of the Check	
	Ensure the knob does not easily loosen.	The knob is securely attached to the shifter lever and is not loose.	
	The reverse lockout feature resets quickly and smoothly after each use. NOTE: Reverse gear should NOT be accessible when the collar is released.	The reverse lockout feature resets quickly & smoothly after each use.	

Troubleshooting

Issue / Concern		Items to be Checked	
	Shift pattern is not correctly oriented.	Place palm on top of the shift knob insert and rotate as needed to orient the shift pattern correctly. If needed, the shift knob insert can be removed by unscrewing the shift knob from the shift lever and pressing through the center hole of the shift knob.	
	Shifting operation is difficult or does not engage properly in all the gears.	Check steps 21 through 23 and ensure shift cables are secured.	
	The buttons on the center console do not function.	Ensure the battery cables are connected and the vehicle has power. Check step 25 and ensure the White (34-PIN) Connector is properly connected.	
	The reverse lockout feature does not reset quickly or smoothly.	Check steps 20 & 31 and ensure the reverse lockout sleeve is properly aligned and the shifter boot is properly lubricated and fully engaged with the lockout sleeve.	

Electronic Installation Instructions

	If this is a printed copy of the installation instructions, ensure you have the latest revision by scanning the QR code or by entering the website address listed below before beginning installation. Use the latest revision date as noted by "Rev. Date".
	www.hyundaiaccessories.com/admin_media_uploads/installationSheets/j3f19_au200.pdf