

Blower Motor Only Operates on High Speed

Service Category Vehicle Interior

Section Heating/Air Conditioning

Market USA

Toyota Supports
 ASE Certification 

Applicability

YEAR(S)	MODEL(S)	ADDITIONAL INFORMATION
2014	Tacoma	

Introduction

Some 2014 model year Tacoma vehicles may exhibit a condition where the blower motor only operates on high speed and all other blower speeds are inoperative. The blower motor resistor connector terminals have been updated to address this condition.

Production Change Information

This bulletin applies to vehicles produced **BEFORE** the Production Change Effective VINs shown below.

MODEL	PLANT	DRIVETRAIN	WHEEL BASE	ENGINE	CAB TYPE	PRODUCTION CHANGE EFFECTIVE VIN	
Tacoma	TMMTX	2WD	Short	2TR-FE	Regular	5TFNX4CN#EX037496	
			Long	1GR-FE	Access	5TFTX4CN#EX041915	
					Double	5TFJX4CN#EX041924	
					Access	5TFTU4CN#EX001877	
				2TR-FE	Access	5TFTX4GN#EX031710	
					Double	5TFJX4GN#EX031709	
					Access	5TFTU4GN#EX057062	
			S-Long	Double	5TFJU4GN#EX057039		
				4WD	Short	2TR-FE	Double
		Regular					5TFPX4EN#EX021128
		Access	5TFUX4EN#EX026805				
		Long	1GR-FE	Access	5TFUU4EN#EX095916		
				Double	5TFLU4EN#EX095872		
				Double	5TFMU4FN#EX023480		
		S-Long					

Blower Motor Only Operates on High Speed

Production Change Information (Continued)

MODEL	PLANT	DRIVETRAIN	WHEEL BASE	ENGINE	CAB TYPE	PRODUCTION CHANGE EFFECTIVE VIN
Tacoma	TMMBC	2WD	Long	1GR-FE	Double	3TMJU4GN#EM165793
			S-Long			3TMKU4HN#EM040502
		4WD	Long			3TMLU4EN#EM147635
			S-Long			3TMMU4FN#EM067425

Parts Information

PART NUMBER	PART NAME	QTY
82141-04M40	Wire Pigtail	1
82999-12030	Terminal Joint Repair	4

Required Tools & Equipment

SPECIAL SERVICE TOOLS (SST)	PART NUMBER	QTY
Wire Crimper (Non Insulated)*	09042-2C100	1

* Essential SST.

NOTE
 Additional SSTs may be ordered by calling 1-800-933-8335.

MATERIAL	QTY
Electrical Tape	1

Blower Motor Only Operates on High Speed

Warranty Information

OP CODE	DESCRIPTION	TIME	OFP	T1	T2
EL1407	Wire, Instrument Panel	1.1	82141-#####*	72	41

* Select the OFP by confirming the vehicle components/options using the tables below.

APPLICABLE WARRANTY

- This repair is covered under the Toyota Basic Warranty. This warranty is in effect for 36 months or 36,000 miles, whichever occurs first, from the vehicle's in-service date.
- Warranty application is limited to occurrence of the specified condition described in this bulletin.

2TR-FE ENGINE							
TRANS	DRIVE-TRAIN	DOOR SPEAKERS	ROOF SPEAKERS	JBL AUDIO	DOOR LOCK	OPTION	OFP
M/T	2WD	X	-	-	-	-	82141-04K71
		-	X	-	X	-	82141-04K81
	4WD	X	-	-	-	-	82141-04K91
		-	X	-	X	-	82141-04L01
A/T	2WD	X	-	-	-	-	82141-04L11
		X	-	-	X	Double Cab	82141-04L21
		X	-	-	X	110V Outlet	82141-04L31
		-	X	-	X	Access Cab	82141-04L41
		-	X	-	X	Convenience Package	82141-04L51
		-	X	-	X	110V Outlet	82141-04L61
	4WD	X	-	-	-	-	82141-04L71
		-	X	-	X	-	82141-04L81
		-	X	-	X	Convenience Package	82141-04L91
		-	X	-	X	Convenience Package	82141-04L91

Blower Motor Only Operates on High Speed

Warranty Information (Continued)

1GR-FE ENGINE							
TRANS	DRIVE-TRAIN	DOOR SPEAKERS	ROOF SPEAKERS	JBL AUDIO	DOOR LOCK	OPTION	OFF
M/T	2WD	-	X	-	X	-	82141-04M51
	4WD	-	X	-	X	-	82141-04M61
		-	X	-	X	Hydraulic Booster	82141-04M71
		X	-	-	X	-	82141-04M81
		X	-	-	X	Hydraulic Booster	82141-04M91
A/T	2WD	-	X	-	X	-	82141-04N01
		X	-	-	X	Double Cab	82141-04N11
		X	-	-	X	TRD Package	82141-04N21
		X	-	-	X	Seat Heater	82141-04N31
		-	-	X	X	Limited	82141-04N41
		-	-	X	X	Seat Heater	82141-04N51
	4WD	-	X	-	X	-	82141-04N61
		-	X	-	X	Hydraulic Booster	82141-04N71
		X	-	-	X	Double Cab	82141-04N81
		X	-	-	X	Seat Heater	82141-04N91
		X	-	-	X	Hydraulic Booster	82141-04P01
		-	-	X	X	Limited	82141-04P11
		-	-	X	X	Seat Heater	82141-04P21
-	-	X	X	Hydraulic Booster	82141-04P31		

Blower Motor Only Operates on High Speed

Repair Procedure

1. Verify the blower motor only operates on high speed.

NOTE

If the blower motor operates on any speed other than high, this bulletin does NOT apply.

2. Disconnect the negative (-) battery cable.
3. Disconnect, remove, and inspect the blower motor resistor fuse.

Figure 1.

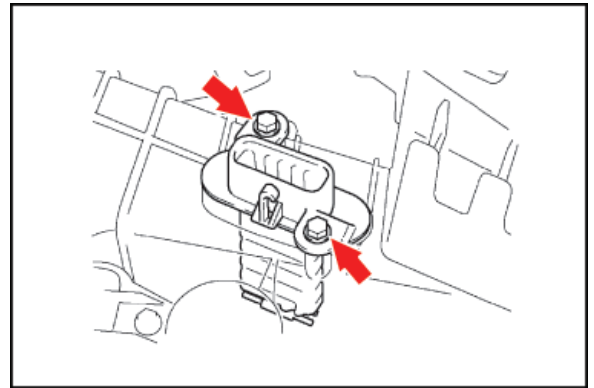
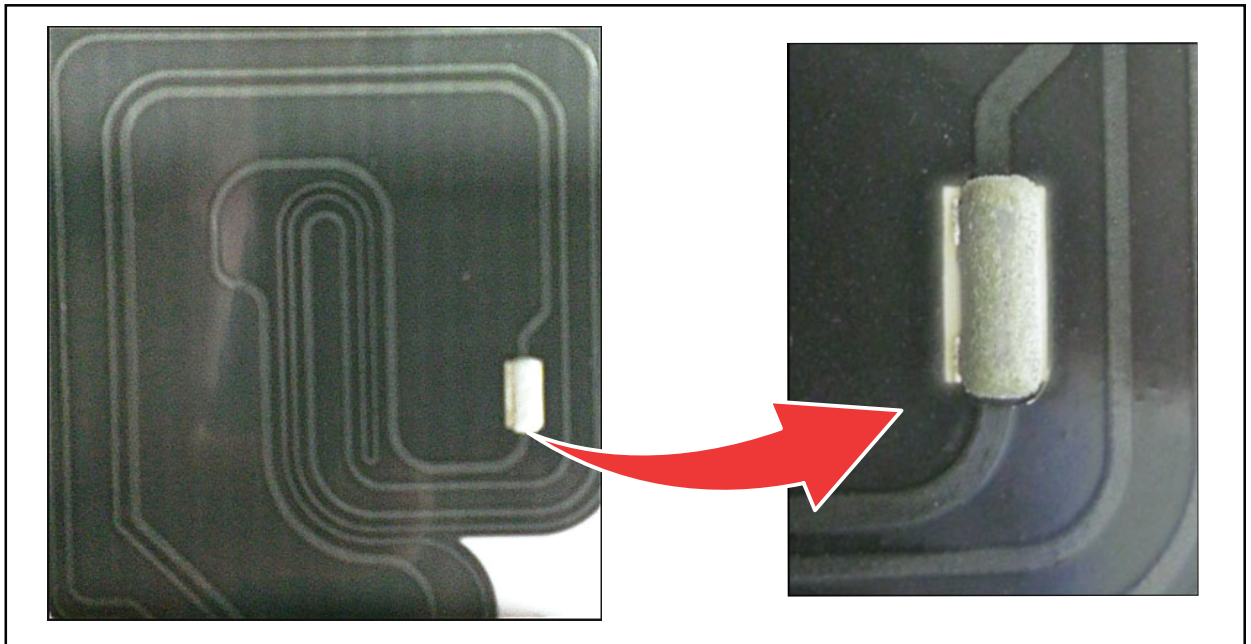


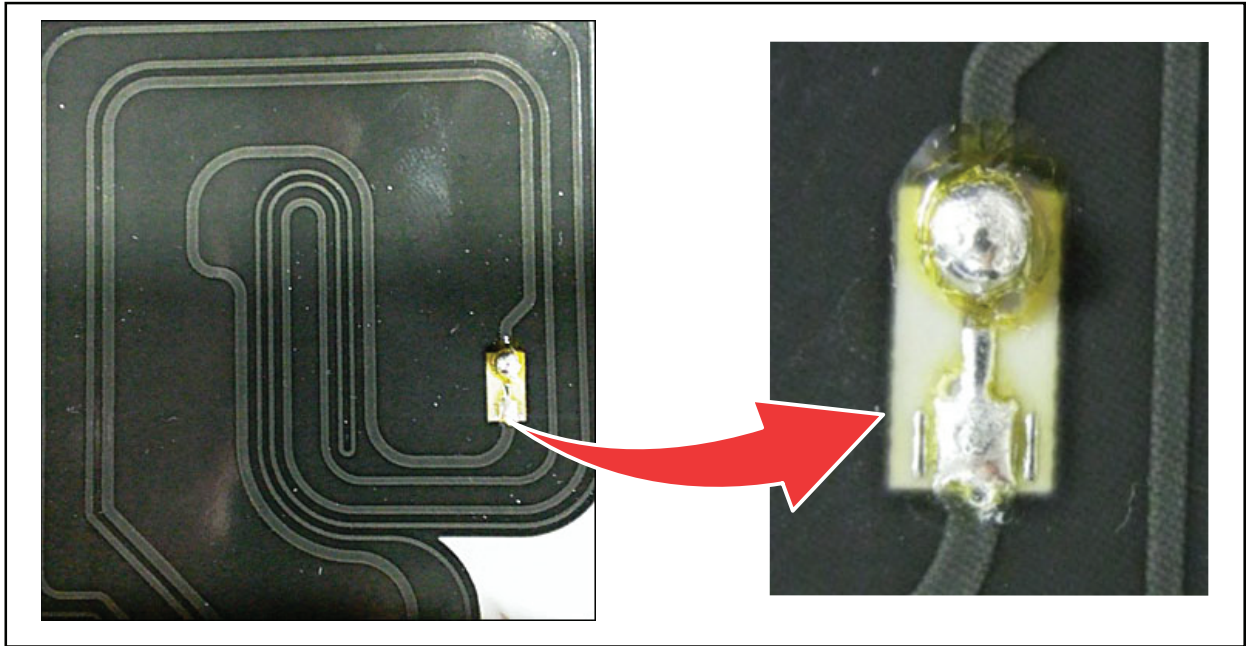
Figure 2. Fuse Intact



Blower Motor Only Operates on High Speed

Repair Procedure (Continued)

Figure 3. Fuse Open



Inspect the fuse. Is the fuse intact?

- **YES** — Continue to step 4.
- **NO** — This bulletin does NOT apply. Continue diagnosis using the applicable Repair Manual.

NOTE

Steps 4 – 8 will need to be repeated for each of the 4 wires on the new connector pigtail.

4. Install the blower motor resistor and connect the new connector.

Torque: 2.0 N*m (20 kgf*cm, 18 in*lbf)

Blower Motor Only Operates on High Speed

Repair Procedure (Continued)

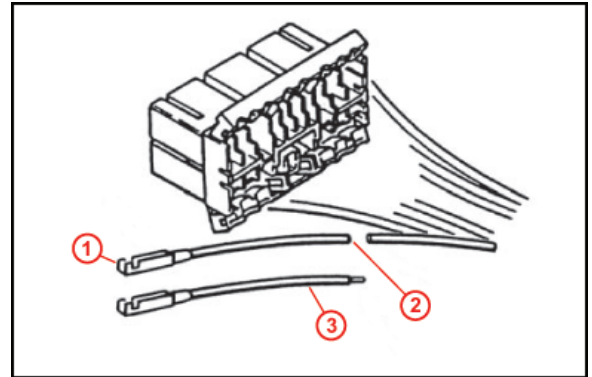
- Cut the old connector from the harness using the new wire lead as a guide for proper length.

NOTICE

If the length of wire removed is NOT approximately the same length as the new piece, the following problems may develop:

- Too short – tension on the terminal, splice, or the connector, causing an open circuit.
- Too long – excessive wire near the connector, may get pinched or abraded, causing a short circuit.

Figure 4.



1	Existing Terminal
2	Cut
3	New Terminal with Lead

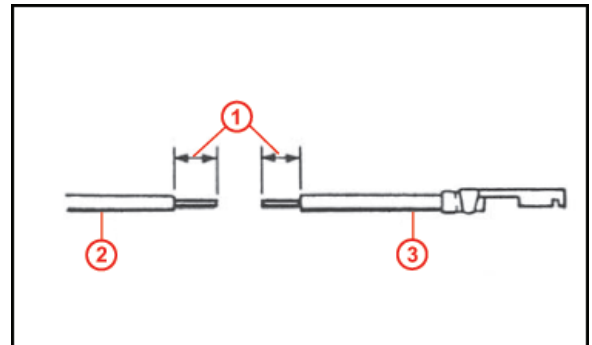
- Strip insulation from wire on the harness and replacement terminal lead.

Start stripping at least 8 mm (0.31 in.) to 11 mm (0.43 in.) away from the end of the existing harness at vehicle side and also from the end of the repair wire.

NOTICE

Make sure NOT to damage the wire when stripping the wire harness lead. After finishing the operation, visually inspect the wire. If there is any damage, perform the operation again.

Figure 5.

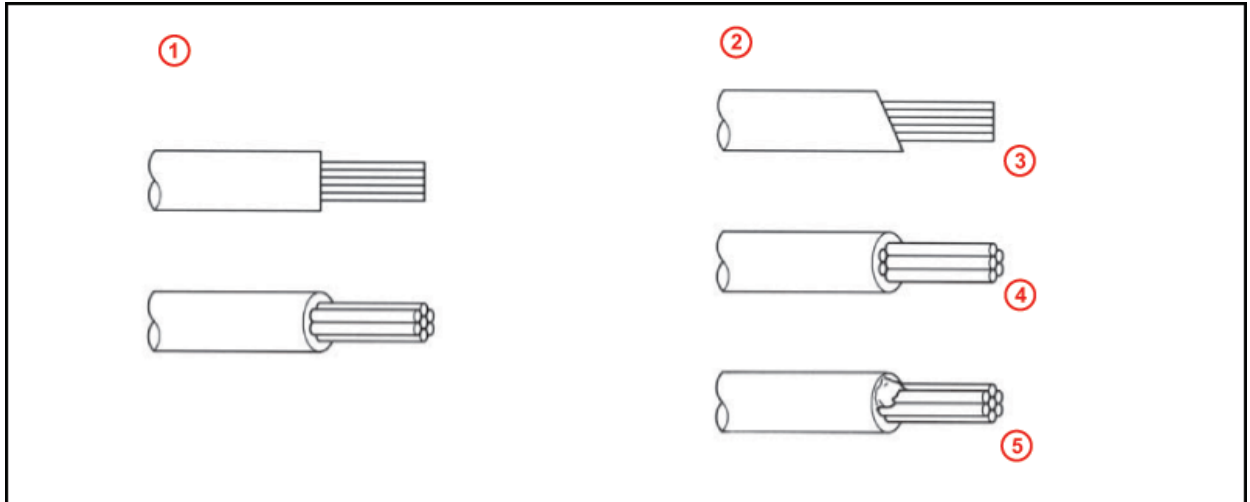


1	Stripped Insulation Length (Approximately 8 – 11 mm)
2	Existing Harness
3	Supplied Lead with New Terminal

Blower Motor Only Operates on High Speed

Repair Procedure (Continued)

Figure 6.



1	Good Example
2	Bad Example
3	Wire Insulation is Stripped at a Slant

4	Wire Lead is Cut
5	Insulation Remains on the Lead

7. Use the sleeve (P/N 82999-12030) to join the connector pigtail to the wire harness.

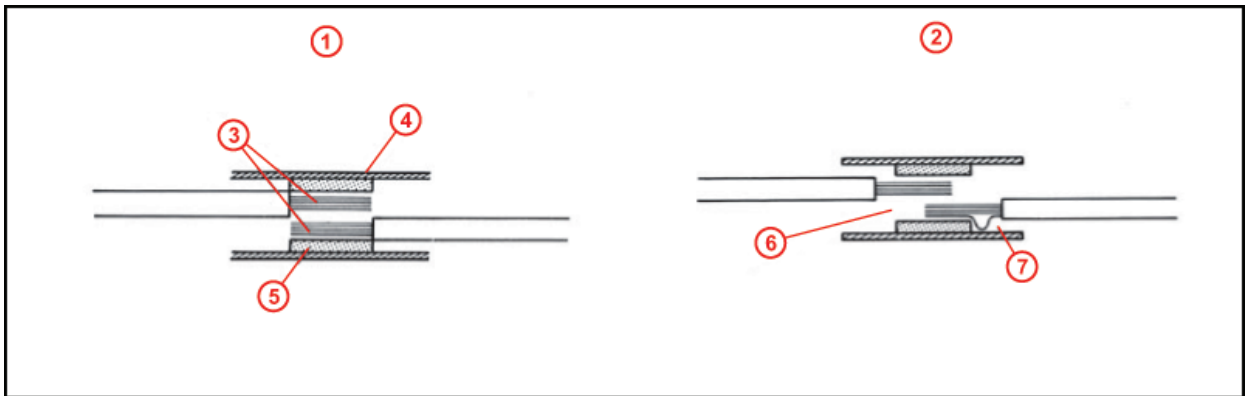
NOTE
 Part Number 82999-12030 is designed to fit with an outside diameter of 3.0 – 5.0 mm.

Blower Motor Only Operates on High Speed

Repair Procedure (Continued)

8. Crimp the replacement terminal lead to the harness lead.

Figure 7.



1	Good Example
2	Bad Example
3	2 Stripped Wires
4	Sleeve (Blue)

5	Pressure-Contact Section
6	Wire in Short Position
7	Wire Bend

- A. Overlap the 2 stripped wire ends inside the sleeve as shown.

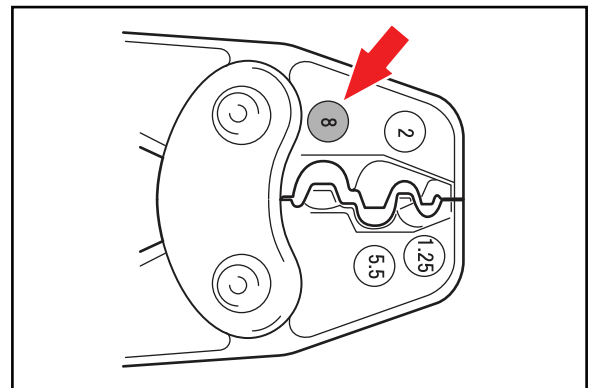
- B. Place the sleeve into the 8 mm crimp die of the Wire Crimper (Non Insulated).

SST: 09042-2C100

NOTE

The Wire Crimper tool handles must be fully depressed for it to release. Verify alignment is proper prior to applying pressure to crimper handles.

Figure 8.



- C. With the center of the sleeve correctly placed between the crimping jaws, squeeze the crimping tool until this sleeve has been fully crimped.

HINT

Check to see that the sleeve and wires are still in the correct position before closing the crimping tool ends with steady pressure.

Blower Motor Only Operates on High Speed

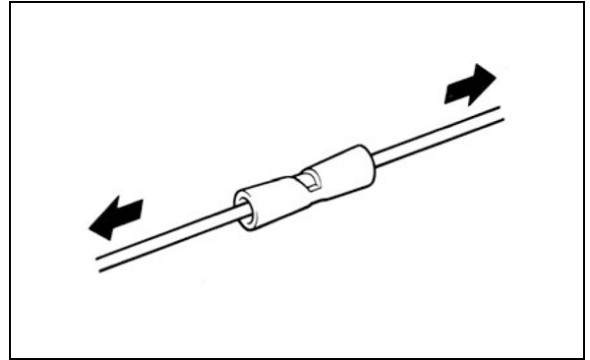
Repair Procedure (Continued)

- D. Pull the joined wires to either end. Make sure that they are joined firmly by the sleeve.

NOTICE

If the joined wires come loose, the splice is defective. Replace the sleeve and repeat the procedure.

Figure 9.



- E. Apply additional crimps slightly beyond the crimp in the center. The end result should look similar to Figure 10.

Figure 10.



9. Protect joined section by wrapping electrical tape around the joints to protect them from moisture.

HINT

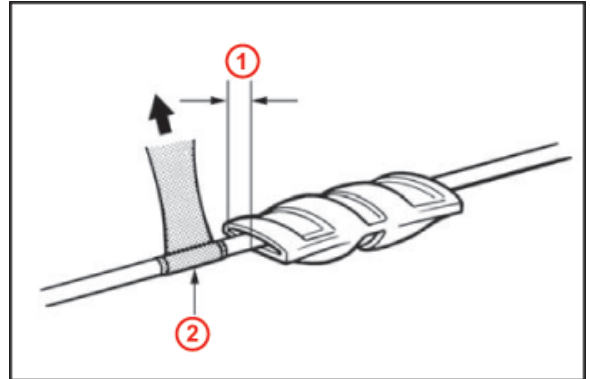
- Before starting the operation, thoroughly wipe dirt and grease off the sections to be joined.
- Do NOT let oil and dust, etc. get on the tape surface.

Blower Motor Only Operates on High Speed

Repair Procedure (Continued)

- A. Stretch the electrical tape until its width is reduced by half.

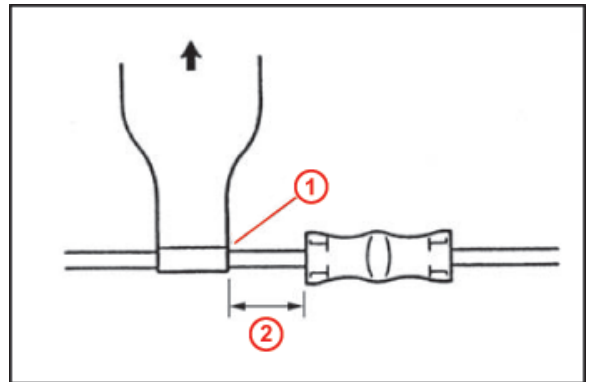
Figure 11.



1	10 mm (0.39 in.)
2	3 or More Times

- B. Starting approximately 10 mm (0.39 in.) from the end of the sleeve, wrap the electrical tape around the sleeve 3 or more times while stretching the tape.

Figure 12.



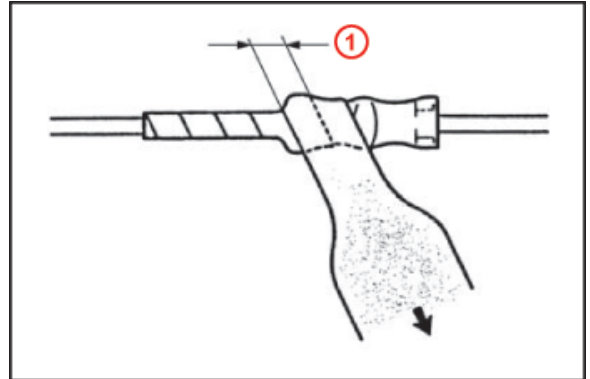
1	3 or More Times
2	10 mm (0.39 in.)

Blower Motor Only Operates on High Speed

Repair Procedure (Continued)

- C. When wrapping the sleeve with electrical tape, overlap each wrap half the width of the tape.

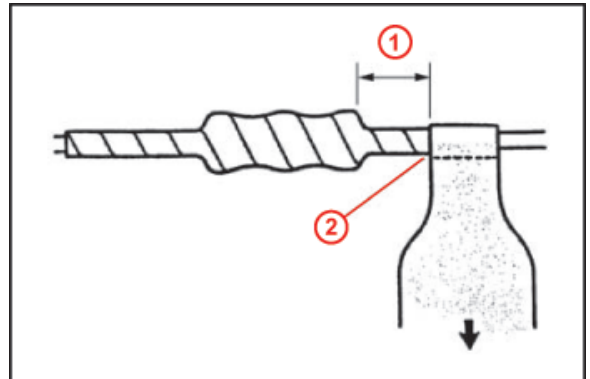
Figure 13.



1	Tape Overlapping
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- D. Firmly wrap the tape 2 times or more about 10 mm (0.39 in.) from the other end of the sleeve, then wrap the tape back towards the start again and firmly finish winding the tape around the center of the sleeve.

Figure 14.



1	10 mm (0.39 in.)
2	2 or More Times

10. Connect the negative (-) battery cable.
11. Verify the blower motor operates on all speeds.