

A division of Troy Sheet Metal Works, Inc. 1024 South Vail Avenue, Montebello, CA 90640 www.troyproducts.com 323 720-4100

Part No:PB-20UV-MNTBKTVehicle: Ford PIUVDescription:Front Push BumperModel year: 2020+

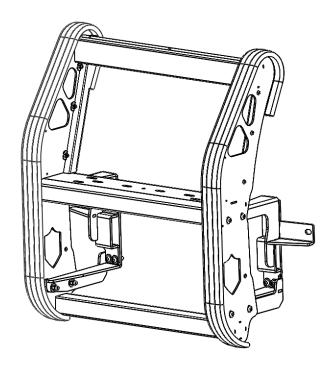


Tools Required: 7/32 Allen wrench 9/16 socket/wrench

5/32 Allen wrench Jig saw + metal blade

Troy Products recommends reading through all installation instructions prior to installation to check all necessary parts have been included (check against bill of materials table.)

IMPORTANT NOTE: This Push Bumper Assembly can be installed with the optional stiffener plates or the optional brush guards.



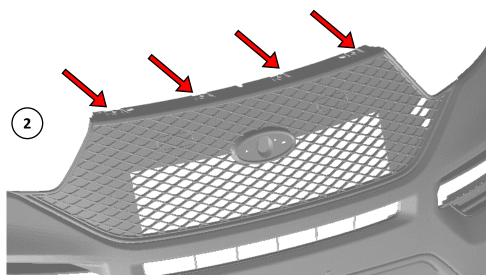
Quick Guide

- 1. Remove the OEM bumper cover.
- 2. Remove the radiator airflow chutes.
- 3. Install the mounting brackets (do not tighten hardware)
- 4. Test fit push bumper
- 5. Tighten down mounting bracket fasteners (30-35 ft-lbs.)
- 6. Remove push bumper.
- 7. Trim and reinstall the radiator airflow chutes.
- 8. Trim and reinstall the grille and bumper cover assembly.
- 9. Install and align the push bumper. Tighten fasteners (30-35 ft-lbs.)

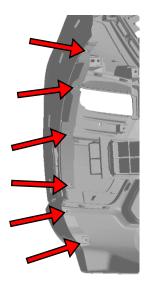
PB-20UV-PSHASM - BILL OF MATERIALS

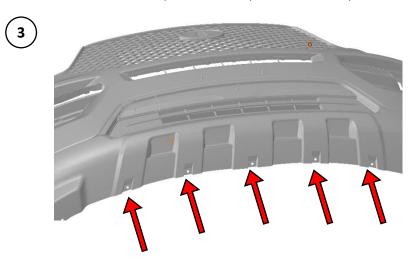
PB-20UV-MNTBKT-#bbwd Description: BUMPER BRACKET WELDMENT-PS QTY: 1 PP-20UV-MNTBKT-#bbwd Description: BUMPER BRACKET WELDMENT-DS QTY: 1 PP-20UV-MNTBKT-#lsbwd Description: LOWER SUPPORT BRACKET WELDMENT-DS QTY: 1 PP-20UV-MNTBKT-#lsbwd Description: LOWER SUPPORT BRACKET WELDMENT-DS QTY: 1 PP-UNIV-UPRSML Description: PP-UNIV-UPRSML Description: PP-UNIV-UPRSML-WIRE-#swcp Description: PP-UNIV-UPRSML-WIRE-#swcp Description: SMALL STEEL WIRE CHANNEL-PS QTY: 1 HARDWARE Part number: PP-UNIV-UPRSML-WIRE-#swcd Description: SMALL STEEL WIRE CHANNEL-DS QTY: 1 HARDWARE Part number: 1-FST-06-61215-AL2 Description: 3/8-16 X 1-1/4" BH CAP SCREW QTY: 16 Part number: 1-FST-35-31200-AL2 Description: 3/8-16 NYLON INSERT LOCKNUT QTY: 8 Part number: 1-FST-35-31000 Description: 3/8-16 NYLON INSERT LOCKNUT QTY: 6	PARTS				
Description: BUMPER BRACKET WELDMENT-PS QTY: 1 Part number: PB-20UV-MNTBKT-#Isbwp Description: LOWER SUPPORT BRACKET WELDMENT-PS QTY: 1 Part number: PB-UNIV-UPRSML Description: Description: Description: Description: Description: Description: PB-UNIV-UPRSML Description: SMALL STEEL WIRE CHANNEL-PS QTY: 1 Part number: PB-UNIV-UPRSML-WIRE-#swcd Description:	Part number:		Part number:		
Description: BUMPER BRACKET WELDMENT-PS QTY: 1 Part number: PB-20UV-MNTBKT-#Isbwp Description: LOWER SUPPORT BRACKET WELDMENT-DS QTY: 1 Part number: PB-UNIV-UPRSML Description: Description: PB-UNIV-UPRSML Description: PB-UNIV-UPRSML Description: PB-UNIV-UPRSML Description: PB-UNIV-UPRSML-WIRE-#swcp Description: PB-UNIV-UPRSML-WIRE-#swcp Description: PB-UNIV-UPRSML-WIRE-#swcp Description: PB-UNIV-UPRSML-WIRE-#swcp Description: PB-UNIV-UPRSML-WIRE-#swcp Description: PB-UNIV-UPRSML-WIRE-#swcd Description: 1-FST-06-61215-AL2 Description: 3/8 BLACK FLAT WASHER QTY: 16 Part number: 1-FST-35-31200-AL2 Description: 1/4-20 x 1/2" BH CAP SCREW QTY: 6 Part number: 1-FST-35-31000 Description: %-20 NYLOCK NUT	PB-20UV-MNTBKT-#bbwp		PB-20UV-MNTBKT-#bbwd	0 0 0	
QTY: 1 Part number: PB-20UV-MNTBKT-#Isbwp Description: LOWER SUPPORT BRACKET WELDMENT-PS QTY: 1 Part number: PB-UNIV-UPRSML Description: PUSH BUMPER UPRIGHT SMALL QTY: 1 Part number: PB-UNIV-UPRSML-#Isbwcd Description: SMALL STEEL WIRE CHANNEL-DS QTY: 1 Part number: 1-FST-06-61215-AL2 Description: 3/8-16 X1-1/4" BH CAP SCREW QTY: 16 Part number: Part number: Part number: 1-FST-06-60820-AL2 Description: 3/8-16 NYLON INSERT LOCKNUT QTY: 6 Part number: 1-FST-35-31000 Description: %-20 NYLOCK NUT	Description:		Description:		
Part number: PB-20UV-MNTBKT-#Isbwp Description: LOWER SUPPORT BRACKET WELDMENT-PS QTY: 1 Part number: PB-UNIV-UPRSML Description: SMALL STEEL WIRE CHANNEL-DS QTY: 1 Part number: PB-UNIV-UPRSML-WIRE-#swcd Description: SMALL STEEL WIRE CHANNEL-DS QTY: 1 Part number:	BUMPER BRACKET WELDMENT-PS		BUMPER BRACKET WELDMENT-DS		
PB-20UV-MNTBKT-#Isbwd Description: LOWER SUPPORT BRACKET WELDMENT-PS QTY: 1 Part number: PB-UNIV-UPRSML Description: PB-UNIV-UPRSML-WIRE-#Iswcp Description: SMALL STEEL WIRE CHANNEL-PS QTY: 1 Part number: PB-UNIV-UPRSML-WIRE-#Iswcd Description: SMALL STEEL WIRE CHANNEL-PS QTY: 1 Part number: PB-UNIV-UPRSML-WIRE-#Iswcd Description: SMALL STEEL WIRE CHANNEL-PS QTY: 1 HARDWARE Part number: 1-FST-66-61215-AL2 Description: 3/8-16 X 1-1/4" BH CAP SCREW QTY: 16 Part number: 1-FST-35-31200-AL2 Description: 3/8-16 NYLON INSERT LOCKNUT QTY: 8 Part number: 1-FST-35-31000 Description: W-20 NYLOCK NUT	QTY: 1	00	QTY: 1	@ @	
Description: LOWER SUPPORT BRACKET WELDMENT-PS QTY: 1 Part number: PB-UNIV-UPRSML Description: PUSH BUMPER UPRIGHT SMALL QTY: 1 Part number: PB-UNIV-UPRSML-WIRE-#swcp Description: SMALL STEEL WIRE CHANNEL-PS QTY: 1 Part number: PB-UNIV-UPRSML-WIRE-#swcd Description: SMALL STEEL WIRE CHANNEL-PS QTY: 1 HARDWARE Part number: 1-FST-66-61215-AL2 Description: 3/8-16 X 1-1/4" BH CAP SCREW QTY: 16 Part number: 1-FST-35-31200-AL2 Description: 3/8-16 N VI-ON INSERT LOCKNUT QTY: 8 Part number: 1-FST-35-31000 Description: W-20 NYLOCK NUT	Part number:	(0.0)	Part number:	[0 0]	
LOWER SUPPORT BRACKET WELDMENT-PS QTY: 1 Part number: PB-UNIV-UPRSML Description: PUSH BUMPER UPRIGHT SMALL QTY: 1 Part number: PB-UNIV-UPRSML-WIRE-#swcp Description: SMALL STEEL WIRE CHANNEL-PS QTY: 1 Part number: PB-UNIV-UPRSML-WIRE-#swcd Description: SMALL STEEL WIRE CHANNEL-PS QTY: 1 HARDWARE Part number: 1-FST-06-61215-AL2 Description: 3/8-16 X 1-1/4" BH CAP SCREW QTY: 16 Part number: 1-FST-35-31200-AL2 Description: 3/8-16 NYLON INSERT LOCKNUT QTY: 8 Part number: 1-FST-35-31000 Description: %-20 NYLOCK NUT	PB-20UV-MNTBKT-#lsbwp		PB-20UV-MNTBKT-#lsbwd		
QTY: 1 Part number: PB-UNIV-UPRSML Description: PUSH BUMPER UPRIGHT SMALL QTY: 1 Part number: PB-UNIV-UPRSML-WIRE-#swcp Description: SMALL STEEL WIRE CHANNEL-PS QTY: 1 HARDWARE Part number: 1-FST-06-61215-AL2 Description: 3/8-16 X 1-1/4" BH CAP SCREW QTY: 16 Part number: 1-FST-35-31200-AL2 Description: 3/8-16 NYLON INSERT LOCKNUT QTY: 8 Part number: 1-FST-35-31000 Description: %-20 NYLOCK NUT	Description:		Description:		
Part number: PB-UNIV-UPRSML Description: PUSH BUMPER UPRIGHT SMALL QTY: 1 Part number: PB-UNIV-UPRSML-WIRE-#swcp Description: SMALL STEEL WIRE CHANNEL-PS QTY: 1 PART number: PB-UNIV-UPRSML-WIRE-#swcd Description: SMALL STEEL WIRE CHANNEL-DS QTY: 1 HARDWARE Part number: 1-FST-06-61215-AL2 Description: 3/8-16 x 1-1/4" BH CAP SCREW QTY: 16 Part number: 1-FST-35-31200-AL2 Description: 3/8-16 NYLON INSERT LOCKNUT QTY: 8 Part number: 1-FST-35-31000 Description: %-20 NYLOCK NUT	LOWER SUPPORT BRACKET WELDMENT-PS		LOWER SUPPORT BRACKET WELDMENT- DS	00	
PB-UNIV-UPRSML Description: PUSH BUMPER UPRIGHT SMALL QTY: 1 Part number: PB-UNIV-UPRSML-WIRE-#swcp QTY: 1 Part number: PB-UNIV-UPRSML-WIRE-#swcp QTY: 1 Part number: PB-UNIV-UPRSML-WIRE-#swcp PB-UNIV-UPRSML-WIRE-#swcp QTY: 1 Part number: HARDWARE Part number: 1-FST-06-61215-AL2 Description: 3/8-16 X 1-1/4" BH CAP SCREW QTY: 16 Part number: 1-FST-35-31200-AL2 Description: 3/8-16 NYLON INSERT LOCKNUT QTY: 8 Part number: 1-FST-35-31000 Description: %-20 NYLOCK NUT	QTY: 1	0 0	QTY: 1	0 0	
Description: PUSH BUMPER UPRIGHT SMALL QTY: 1 Part number: PB-UNIV-UPRSML-WIRE-#swcd Description: SMALL STEEL WIRE CHANNEL-PS QTY: 1 HARDWARE Part number: 1-FST-06-61215-AL2 Description: 3/8-16 X 1-1/4" BH CAP SCREW QTY: 16 Part number: 1-FST-35-31200-AL2 Description: 3/8-16 NYLON INSERT LOCKNUT QTY: 8 Part number: 1-FST-35-31000 Description: %-20 NYLOCK NUT	Part number:	f parameters of	Part number:	ħ	
PUSH BUMPER UPRIGHT SMALL QTY: 1 Part number: PB-UNIV-UPRSML-WIRE-#swcd Description: SMALL STEEL WIRE CHANNEL-PS QTY: 1 HARDWARE Part number: 1-FST-06-61215-AL2 Description: 3/8-16 X 1-1/4" BH CAP SCREW QTY: 8 Part number: 1-FST-35-31000 Description: 3/8-16 NYLON INSERT LOCKNUT QTY: 16 Part number: 1-FST-35-31000 Description: 3/8-16 NYLOK NUT	PB-UNIV-UPRSML		PB-UNIV-UPRSML-WIRE-#swcp	g/	
QTY: 1 QTY: 1 QTY: 1	Description:		Description:	6	
Part number: PB-UNIV-UPRSML-WIRE-#swcd Description: SMALL STEEL WIRE CHANNEL-DS QTY: 1 HARDWARE Part number: 1-FST-06-61215-AL2 Description: 3/8-16 X 1-1/4" BH CAP SCREW QTY: 16 Part number: 1-FST-35-31200-AL2 Description: 3/8-16 NYLON INSERT LOCKNUT QTY: 6 Part number: 1-FST-35-31000 Description: 3/8-16 NYLON INSERT LOCKNUT QTY: 6	PUSH BUMPER UPRIGHT SMALL		SMALL STEEL WIRE CHANNEL-PS	//	
PB-UNIV-UPRSML-WIRE-#swcd Description: SMALL STEEL WIRE CHANNEL-DS QTY: 1 HARDWARE Part number: 1-FST-06-61215-AL2 Description: 3/8-16 X 1-1/4" BH CAP SCREW QTY: 16 Part number: 1-FST-35-31200-AL2 Description: 3/8-16 NYLON INSERT LOCKNUT QTY: 8 Part number: 1-FST-35-31000 Description: 3/8-20 NYLOCK NUT	QTY: 1		QTY: 1	Ш	
Description: SMALL STEEL WIRE CHANNEL-DS QTY: 1 HARDWARE Part number: 1-FST-06-61215-AL2 Description: 3/8-16 X 1-1/4" BH CAP SCREW QTY: 16 Part number: 1-FST-35-31200-AL2 Description: 3/8-16 NYLON INSERT LOCKNUT QTY: 8 Part number: 1-FST-35-31000 Description: 3/8-16 NYLOK NUT	Part number:	T			
### STANDLE STEEL WIRE CHANNEL-DS QTY: 1	PB-UNIV-UPRSML-WIRE-#swcd	1			
## Comparison of	Description:	116			
HARDWARE Part number: 1-FST-06-61215-AL2 Description: 3/8-16 X 1-1/4" BH CAP SCREW QTY: 16 Part number: 1-FST-35-31200-AL2 Description: 3/8-16 NYLON INSERT LOCKNUT QTY: 8 Part number: 1-FST-35-31000 Description: 3/8-16 NYLON LOCK NUT Part number: 1-FST-35-31000 Description: 1-FST-35-31000 Description: 1-FST-35-31000 Description: 1-FST-35-31000 Description: 1-FST-35-31000	SMALL STEEL WIRE CHANNEL-DS	$\backslash \! \! \backslash \! \! \backslash \! \! \backslash$			
Part number: 1-FST-06-61215-AL2 Description: 3/8-16 X 1-1/4" BH CAP SCREW QTY: 16 Part number: 1-FST-35-31200-AL2 Description: 3/8-16 NYLON INSERT LOCKNUT QTY: 8 Part number: 1-FST-35-31000 Description: 3/8-16 NYLOK NUT	QTY: 1				
1-FST-06-61215-AL2 Description: 3/8-16 X 1-1/4" BH CAP SCREW QTY: 16 Part number: 1-FST-35-31200-AL2 Description: 3/8-16 NYLON INSERT LOCKNUT QTY: 8 Part number: 1-FST-35-31000 Description: 3/8-20 NYLOCK NUT	HARDWARE				
Description: 3/8-16 X 1-1/4" BH CAP SCREW QTY: 16 Part number: 1-FST-35-31200-AL2 Description: 3/8-16 NYLON INSERT LOCKNUT QTY: 8 Part number: 1-FST-35-31000 Description: 3/8-16 NYLOK NUT	Part number:		Part number:		
3/8-16 X 1-1/4" BH CAP SCREW QTY: 16 Part number: 1-FST-35-31200-AL2 Description: 3/8-16 NYLON INSERT LOCKNUT QTY: 6 Part number: 1/4-20 x 1/2" BH CAP SCREW QTY: 6 Part number: 1-FST-35-31000 Description: 3/8-20 NYLOCK NUT	1-FST-06-61215-AL2		1-FST-50-11208-AL2		
QTY: 16 Part number: 1-FST-35-31200-AL2 Description: 3/8-16 NYLON INSERT LOCKNUT QTY: 8 Part number: 1-FST-35-31000 Description: 3/8-20 NYLOCK NUT	Description:		Description:	(\bigcirc)	
Part number: Part number: 1-FST-35-31200-AL2 1-FST-06-60820-AL2 Description: Description: 3/8-16 NYLON INSERT LOCKNUT 1/4-20 x 1/2" BH CAP SCREW QTY: 6 QTY: 6 Part number: 1-FST-35-31000 Description: ½-20 NYLOCK NUT ½-20 NYLOCK NUT	3/8-16 X 1-1/4" BH CAP SCREW		3/8 BLACK FLAT WASHER		
1-FST-35-31200-AL2 Description: 3/8-16 NYLON INSERT LOCKNUT QTY: 8 Part number: 1-FST-35-31000 Description: 3/2-20 NYLOCK NUT	QTY: 16		QTY: 16		
Description: 3/8-16 NYLON INSERT LOCKNUT 1/4-20 x 1/2" BH CAP SCREW QTY: 8 QTY: 6 Part number: 1-FST-35-31000 Description: ½-20 NYLOCK NUT	Part number:		Part number:		
3/8-16 NYLON INSERT LOCKNUT QTY: 8 QTY: 6 Part number: 1-FST-35-31000 Description: 1/4-20 x 1/2" BH CAP SCREW QTY: 6	1-FST-35-31200-AL2		1-FST-06-60820-AL2	_	
QTY: 8 Part number: 1-FST-35-31000 Description: ½-20 NYLOCK NUT	Description:		Description:		
Part number: 1-FST-35-31000 Description: 1/20 NYLOCK NUT	3/8-16 NYLON INSERT LOCKNUT		1/4-20 x 1/2" BH CAP SCREW		
1-FST-35-31000 Description: %-20 NYLOCK NUT	QTY: 8		QTY: 6		
Description: ¼-20 NYLOCK NUT	Part number:				
%-20 NYLOCK NUT	1-FST-35-31000				
	Description:				
OTV: 6	%-20 NYLOCK NUT				
Q11.0	QTY: 6				

- 1.) Remove the entire factory front bumper cover and grill assembly. There are several screws and plastic fasteners securing the bumper facia to the front of the vehicle. Take care not to damage the bumper cover assembly as it is removed.
- 2.) Open the hood and remove the 4 screws that attach the upper grill to the front structure.

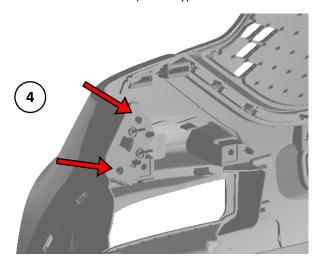


3.) Remove 4 screws and 2 plastic rivets located in the wheel wells (this is typical on both driver and passenger sides). Also, remove all the lower screws under the vehicle to loosen the bottom part of the bumper cover assembly.

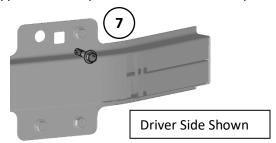




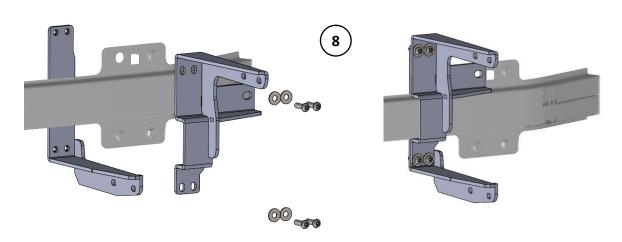
4.) Remove the 2 screws under the fender (This is typical on both driver and passenger sides).



- 5.) Carefully remove the entire front bumper and grill assembly
- 6.) Remove the radiator airflow chutes by pulling forward and detaching them from the radiator support.
- 7.) Remove the upper inside bumper bolts on both driver and passenger sides.

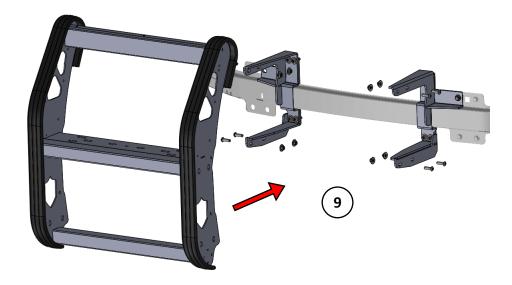


8.) Install the driver (#bbwd & #lsbwd) and passenger (#bbwp & #lsbwp) clamp brackets using the provided (Qty-8) 3/8-16 x 1-1/4" lg BH Cap Screws (1-FST-06-61215). DO NOT TIGHTEN HARDWARE AT THIS TIME



9.) Test fit the push bumper (PB-UNIV-UPRSML) with the bumper cover assembly off to ensure proper fitment. Line up all the holes and secure with the provided (Qty-8) 3/8-16 X 1-1/4" long BH Cap Screws.

DO NOT TIGHTEN HARDWARE AT THIS TIME



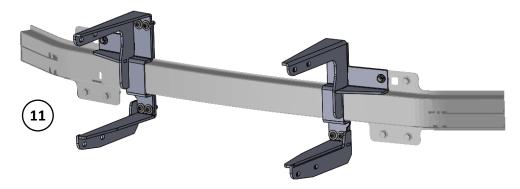
10.) Align and adjust the push bumper as necessary. Tighten the fasteners to 30-35 ft-lbs.

TIGHTEN DOWN THE MOUNTING BRACKET HARDWARE ONLY.

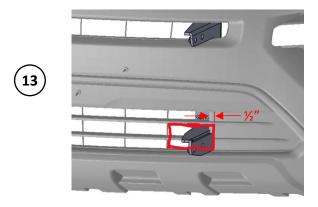
DO NOT TIGHTEN THE PUSH BUMPER HARDWARE AT THIS TIME.



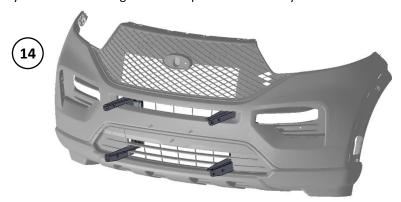
11.) Remove the push bumper and follow **Steps 12-14** to reinstall the grille and bumper cover assembly.



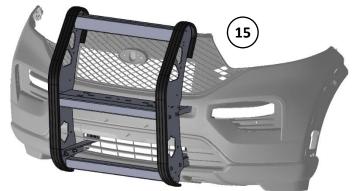
- 12.) Reinstall the radiator airflow chutes. Care must be taken to trim the air chutes to clear the mounting brackets.
- 13.) Before installing the bumper cover assembly, trim the lower grill slots and $\frac{1}{2}$ " of the solid area on both sides as needed to clear the mounting brackets.



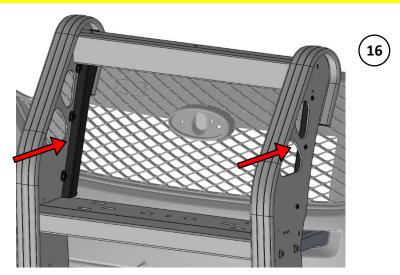
14.) Carefully reinstall the front grill and bumper cover assembly.



15.) Install and align the push bumper using the provided (Qty-8) 3/8-16 x 1-1/4" lg BH Cap Screws. Tighten all fasteners to 30-35 ft-lbs.



16.) Install the two wire covers (#swcd & #swcp) with the provided (Qty-6) ¼-20 x 5/8"lg BH Cap Screws and the (Qty-6) ¼-20 Nylock Nuts. THE WIRE COVERS SHOULD BE INSTALLED ONLY AFTER ALL THE LIGHTING HAS BEEN PROPERLY INSTALLED



Your installation is now complete. If you have any questions or suggestions for adding additional instructions, please call **Customer Service at (800) 700-8769.**