

TOYOTA MATRIX 2009-
Part Number: 00016-12925; 01,02,03,04,08,10 & 11
Accessory Code: CX1

SPOILER



Kit Contents

Item #	Quantity Req'd.	Description
1	1	Lip Spoiler
2		
3		
4		
5		
6		
7		
8		

Hardware Bag Contents

Item #	Quantity Req'd.	Description
1	2	10 mm nuts
2	2	8mm screws
3		
4		
5		
6		
7		
8		

Additional Items Required For Installation

Item #	Quantity Req'd.	Description

Conflicts

Note:

Recommended Tools

Safety Tools	Safety Glasses
Special Tools	
Drill	
Installation Tools	
10 mm drill bit	
8 mm drill bit	
8 mm socket	magnetic
10 mm socket	
Torque wrench	0 to 100 in lbs
Debur tool	
Special Chemicals	50/50 Alcohol Water Solution
3M Ultra Pro Body Sealant	Rust Preventative

Color Applicability/Trim Level

Accessory Color	Vehicle/Trim Color													
	040 Super White													
	1F7 Classic Silver													
	1G3 Magnetic Gray													
	209 Black Sand Pearl													
	3L5 Radiant Red													
	4T6 Sundance													
	8S6 Nautical Blue													
	8T7 Blue Streak													

General Applicability

All models except XRS

Recommended Sequence of Application

Item #	Accessory	
1		
2		
3		


*Mandatory


Legend


- STOP:** Damage to the vehicle may occur. Do not proceed until process has been complied with.
- OPERATOR SAFETY:** Use caution to avoid risk of injury
- CRITICAL PROCESS:** Proceed with caution to ensure a quality installation. These points will be audited on a completed vehicle installation
- TOOLS & EQUIPMENT:** This calls out the specific tools and equipment required for this process
- REVISION MARK:** This mark highlights a change in installation with respect to previous issue.

SPECIAL NOTE:

After TMS and Safety mandated preparatory steps have been taken, the installation sequence is the suggested method for completing the accessory installation. In some instances the suggested sequence is written for one associate to install and in others the sequence is given as part of a team accessory installation. Unless otherwise stated in the document, the associates may perform the installation steps in any order to make the installation as efficient as possible while maintaining consistent quality.

 **CAUTION:** Vehicle and spoiler mounting surface temperature must be a minimum of 60 degrees F, prior to the attachment of spoiler.

-  1. Verify kit contents
- 2. Ensure all application area is free from dirt and debris.
- 3. Lay protective covers as shown in FIG. 1
- 4. Clean area of application with 50/50 alcohol-water solution.
- 5. Lay protection tape on rear hatch as shown in FIG 2.

-  6. Remove rubber plug left and right, retain plug for reinstall. See FIG 3.

 **Section II – installation procedure**


-  1. Align the drill fixture to top of rear hatch, self centering. See FIG 4.
- 2. Connect vacuum and air hose.



FIG 1



FIG 2



FIG 3



FIG 4



NOTE: Set drill stops 40mm from tip of bit to bottom of drill stop.



3. Turn vacuum on. Using a 10mm drill bit, drill through upper port 1. Repete process for port 2 .Using a 8mm drill bit, drill through lower port 1. Repeat process for port 2. See FIG 5. And FIG 6.

4. remove drill fixture and protection tape.



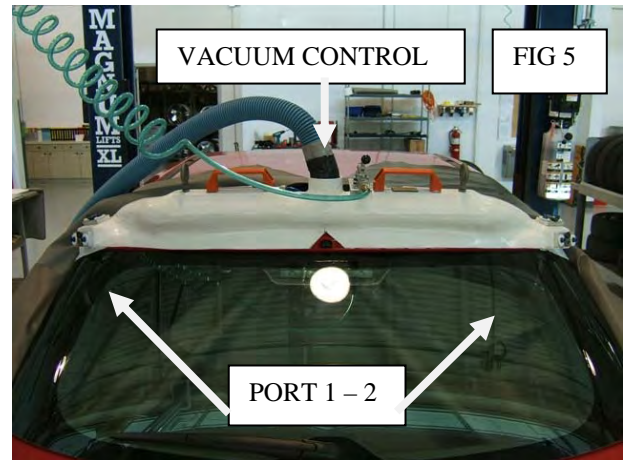
5. Debur drilled holes. See fig 7.



6. Dry fit rear spoiler to rear hatch. Making sure spoiler is alined equally on both sides of deck lid.



7. Apply rust preventative to drilled holes. See FIG 8.



8. Remove approx. 1" of protective strip from tape. Fold forward to pull after installation. See FIG 9.

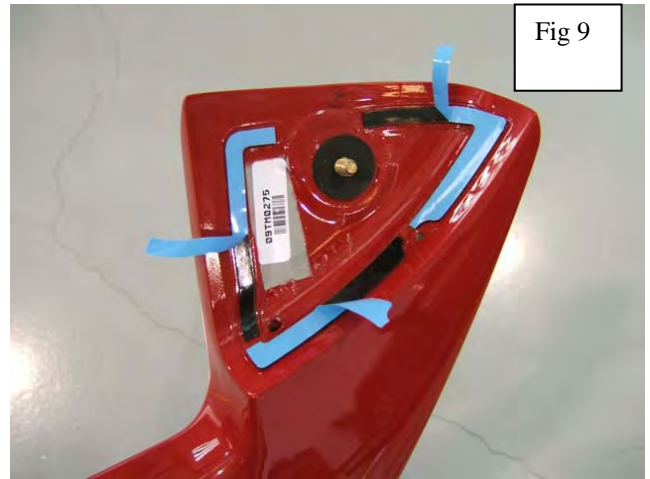


Fig 9



NOTE: Torque the (2) 8mm screws before the 10mm nuts.

10. Center spoiler on rear hatch, finger start the 2 nuts. Pull blue protective tape from spoiler. Using a magnetic 8mm socket install the 2 left and right screws. Torque to 20 in lbs. See FIG 10.



FIG 10



NOTE: No more than 2 mm side to side variance is allowed.

11. Torque the 2 hand started 10 mm nuts to 25 in-lbs. See FIG 11.



FIG 11



12. Reinstall rubber plugs.

13. Remove all covers and do final clean up. See Finished installation FIG 12.



FIG 12



FUNCTION VERIFICATION

Check For

Gaps

Proper alignment.

10 mm nut torque

8 mm screw torque

LOOK FOR

No more than 1mm allowed.

No more than 2mm side to side difference.

25 in lbs

20 in lbs