

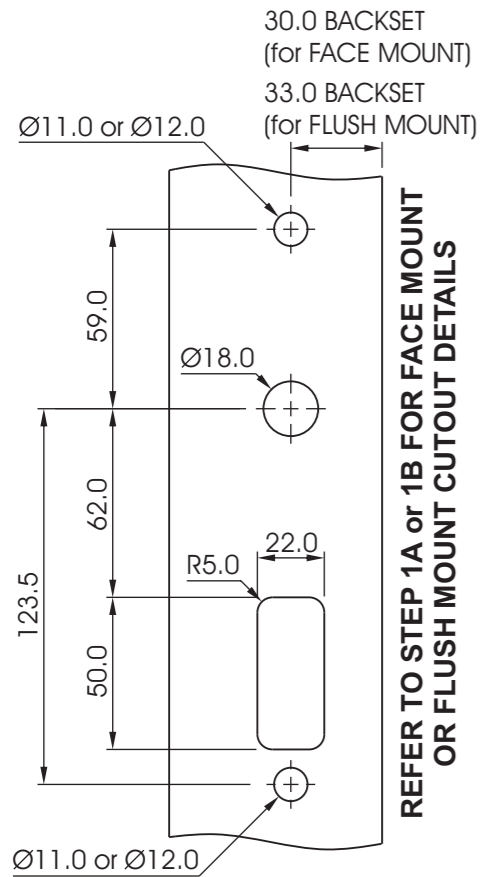


SORRENTO®

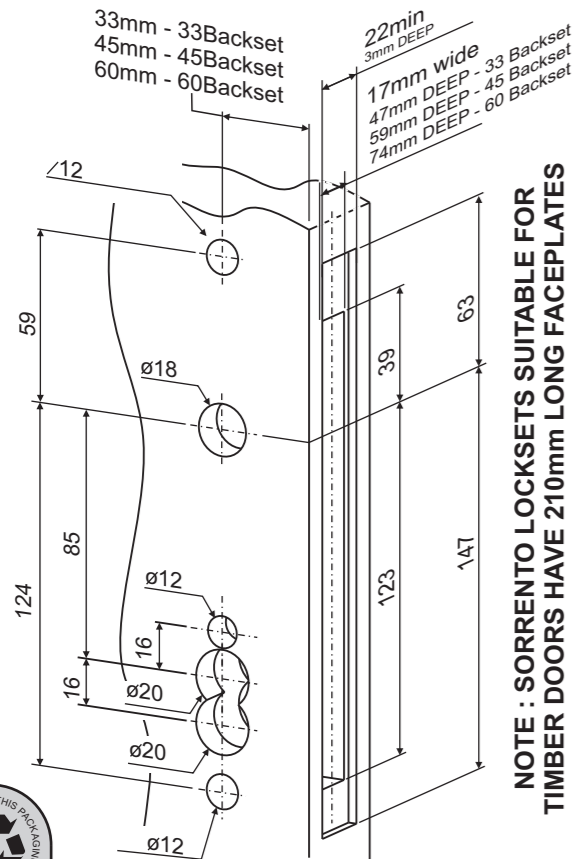
French Door Lock

Illustrated fitting instructions

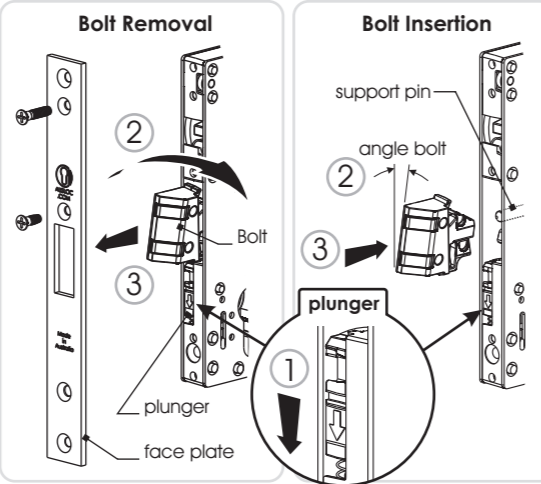
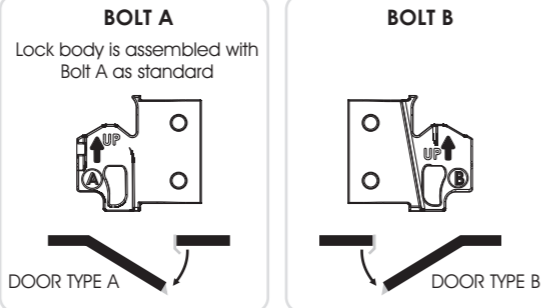
ALUMINIUM DOOR PREPARATION



TIMBER DOOR PREPARATION : 33mm / 45mm / 60mm Backset



1. Bolt Selection



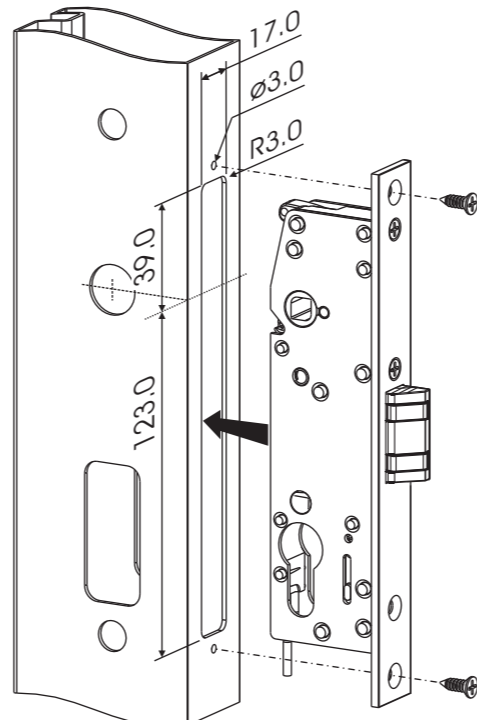
- The lock body has been assembled with a bolt to suit the DOOR TYPE A application as shown above. If installing into DOOR TYPE B, the bolt must be removed and replaced with BOLT B.
 - If replacing the bolt is required, first remove the two screws & face plate as shown. (& spacer if applicable)
1. Slide down & hold the plunger with thumb,
 2. Twist bolt in direction shown,
 3. Bolt will be free to pull out.
- To insert bolt into lock: **Note:** arrow on bolt to point up
1. Slide down & hold the plunger with thumb,
 2. Angle & insert bolt into lock as shown above. **Note:** engage support pin with hole at rear of bolt.
 3. Push bolt fully into lock & slowly let go of bolt.
 4. Re-fix face plate onto lock. (& spacer if applicable)

4. Select Fixing Screws

Door Thickness	Screw Selection
38 to 45mm	57mm Screw
30 to 38mm	50mm Screw
19 to 26mm	38mm Screw

- Several pairs of **Fixing Screws** are provided to suit different door thicknesses. Use the table above to identify which are the correct length **Fixing Screws**.

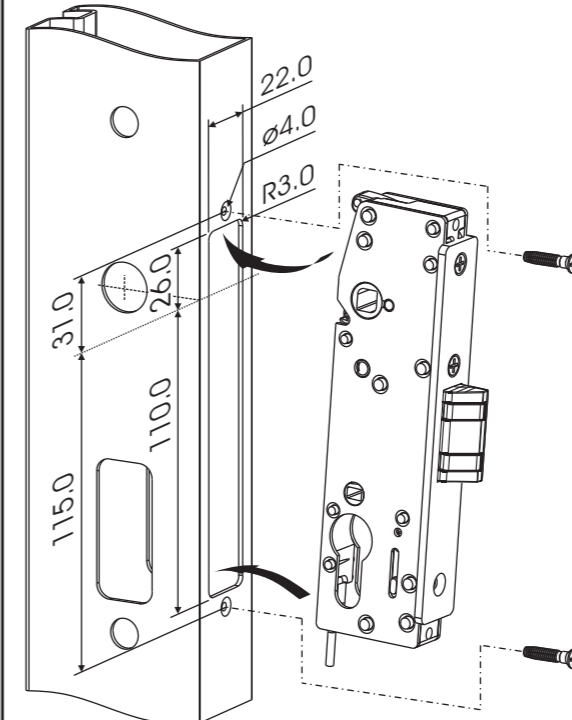
2A. Insert Lock - FACE MOUNT



Note: If applicable, review multipoint instructions on reverse of page before commencing

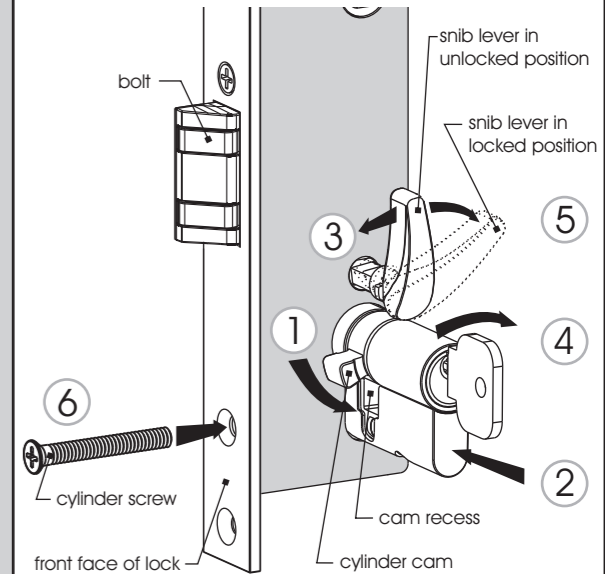
- Insert the **lock body** into the **door cutout**.
- Secure with two G8x13mm screws if mounting to aluminium door.
- Secure with two G8x25mm screws if mounting to timber door.

or 2B. Insert Lock - FLUSH MOUNT



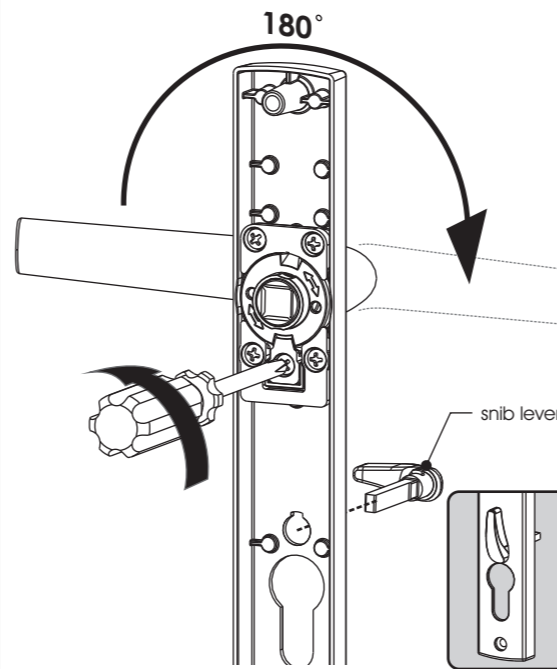
- Cut out face of **door stile** according to the size of the **face plate** on the **lock**.
- Drill and countersink holes to accept the **fixing screws #8x20mm** shown.
- Insert the **lock body** into the **door stile**.
- While holding the **lock body** in place, fix the **#8x20mm screws** and tighten.

3. Cylinder Assembly



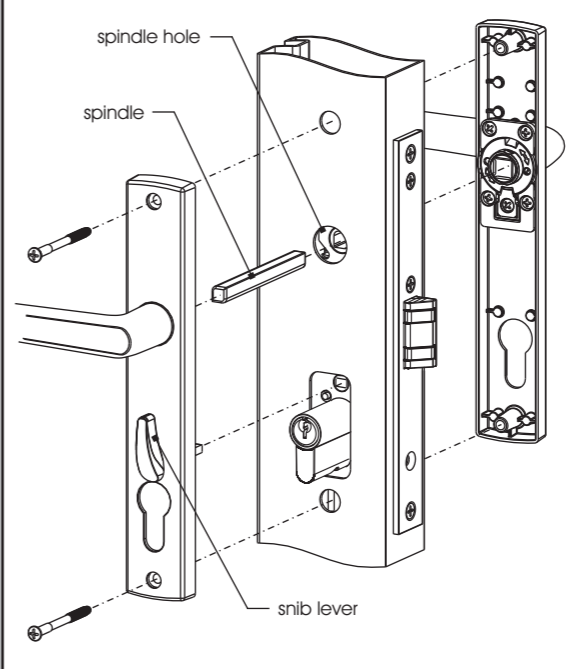
1. Using the **key**, rotate **cylinder cam** back into its **cam recess**.
2. Position the **cylinder** centrally within the **lock body**, ensuring the **cam recess** is towards front face of **lock**, as shown.
3. Turn **snib lever** to unlocked position, as shown.
4. While holding **snib lever** in the unlocked position, rotate **cylinder key** until **snib lever** starts to move.
5. Continue rotating **cylinder key** and allow **snib lever** to rotate into locked position shown.
6. Insert **cylinder screw** and tighten.
7. Test cylinder operation by locking and unlocking with key.
8. Turn key to unlocked position and remove Key.

5. Lever Handing & Snib Lever



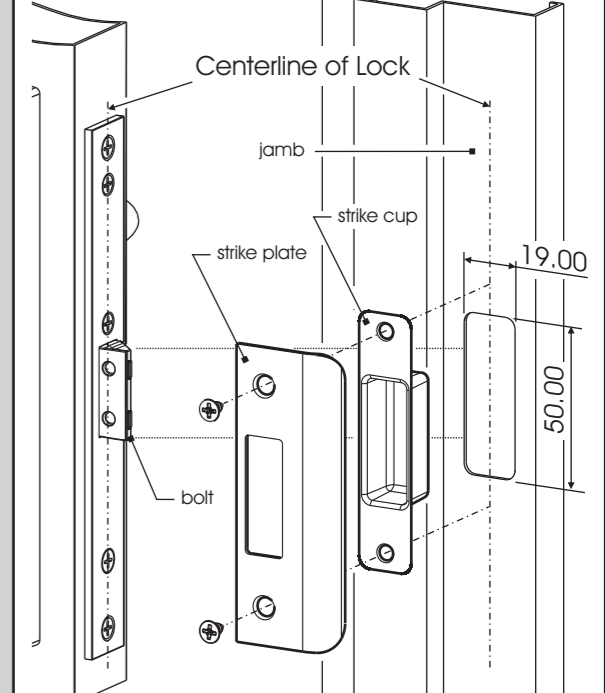
- Determine the handing of the **levers**.
- If they need to be changed, use a Philips screwdriver to loosen the screw as shown.
- The **lever** will then become loose. Rotate the lever 180 degrees and tighten the screw.
- To insert the **snib lever**, hold it horizontally and insert it into the **snib lever hole**.
- Turn the **snib lever** until it is vertical as shown.

6. Lever Assembly



- Select the **interior handle** assembly with the **snib lever**.
- If the **handles** do not point towards the door hinge, return to step 5. (Lever Handing).
- While holding the **snib lever** vertical, place the **interior lever** assembly against the inside of the door.
- Insert the **spindle** through the **spindle hole**.
- Place the **exterior lever** assembly over the door.
- Fix the levers using the **screws** selected from screw chart in step 4. (Select Fixing screws).

7. Strike Assembly



- On the jamb, mark the centre of the strike cutout with the lock bolt as shown.
- Cut the 50 x 19mm hole in the jamb.
- Assemble the strike cup underneath the strike plate.
- Set the **strike assembly** in the **cutout**
- Secure with **#8x19mm screws** if mounting on Metal Jamb.
- Secure with **#8x25mm screws** if mounting on Timber Jamb.

TURN PAGE FOR MULTIPOINT ASSEMBLY

Multipoint Assembly

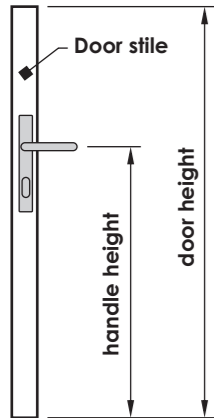
Step M1

Cut the tubes to length according to the equations below:

TOP TUBE = (DOOR height) minus (HANDLE height) minus 110mm.

BOTTOM TUBE = (HANDLE height) minus 180mm

NOTE:
Handle height is measured from the centre of the spindle hole.



DO NOT CUT FROM THREADED END OF TUBE.

Step M2

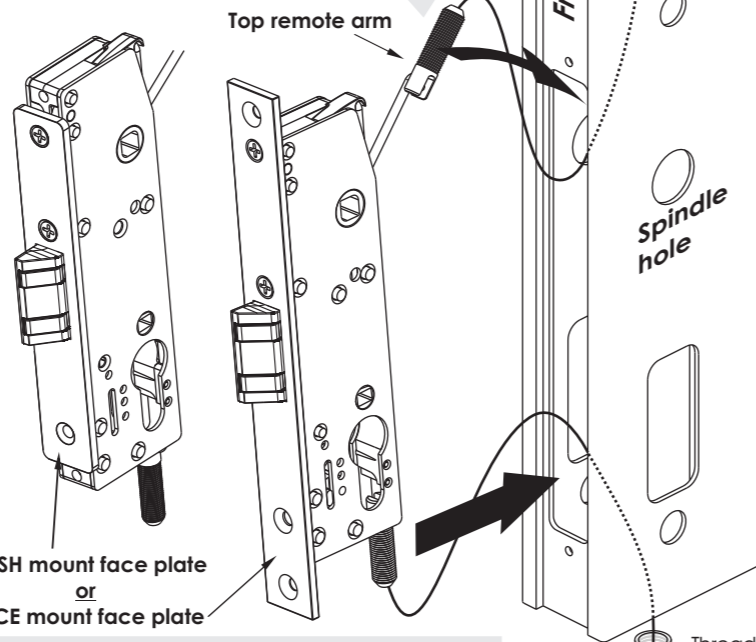
Tie the **guide wire** on to the **lock** using the loops provided. Feed top and bottom **guide wire** through **door stile** until the wire protrudes at each end.

Step M3

Insert **lock** into **door stile**, bottom end in first.

Step M4

Insert & pivot **top remote arm** down through opening in **stile** and push **lock** until it sits flat against front face of **door stile**.



Step M5

Return to Step 2A. or 2B. over the page, and screw the lock body to the section. Continue with the instructions until the lever assembly as well as the strike plate & cup is fitted. Then feed top and bottom **guide wire** through **remote tubes** and **remote tips**, while ensuring threaded end of tube is pointing towards the **lock body**.

Step M6

Insert **remote tip** into **remote tube** and secure by crimping the tube in the position shown.

For best crimping results, use Sidchrome 28110 Multi Grip pliers

Use area indicated for crimping

Step M7

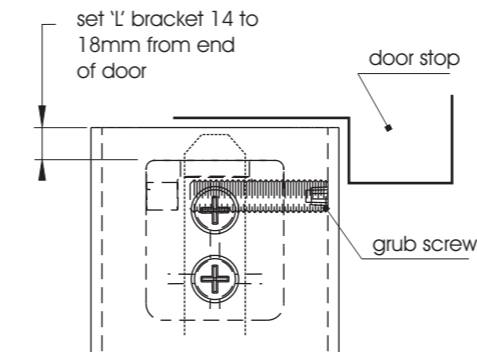
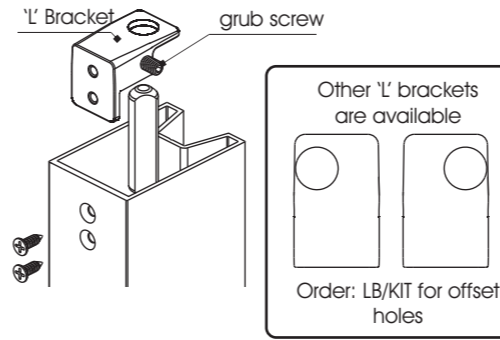
First extend the remote tubes by lifting the levers upwards. Screw top and bottom **remote tubes** onto **lock body** by rotating the secured **remote tip** with spanner, ensuring the **remote tubes** become tight. **Note: grip the tip on the flats shown.** Cut any remaining **wire** which is protruding from the **remote tips**.

Step M8

While the **remote tubes** are extended, screw the **threaded sleeve** onto the tip until tight. **Then retract the tip by pulling the levers downwards.** Continue to wind the sleeve until it is level or 1 to 2mm within the end of the door as shown right. Do this for both top & bottom threaded sleeves.

Step M9

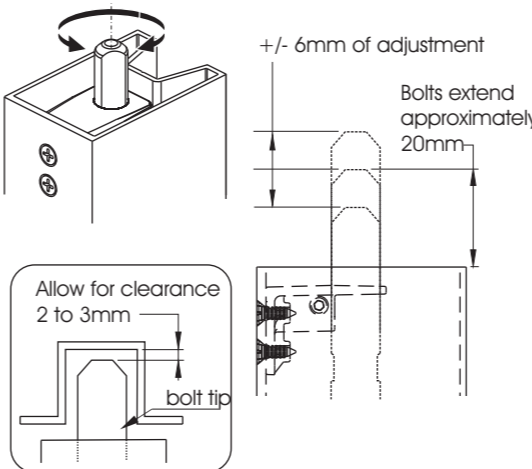
Multipoint 'L' Brackets



- o If a plastic end-cap is not provided, 'L' brackets are supplied to support the multipoint tips at the extreme ends of the door.
- o Wind the grub screw so that it protrudes towards the 'door jamb or door stop,' also ensure that it touches the inside of the door section.
- o Set the 'L' brackets between 14 to 18mm from the top and bottom end of the door.
- o Drill and countersink the front face of the door stile.
- o Slide the 'L' brackets into position over the tip.
- o Fix the 'L' brackets to the top and bottom of the door using the G8 x 13mm undercut screws as shown.

Step M10

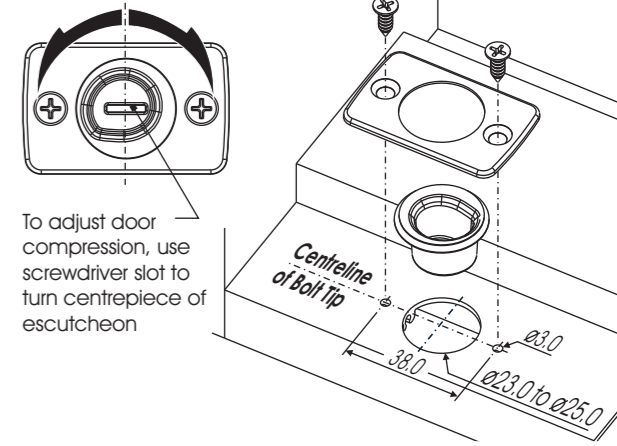
Adjust The Bolt Tips



- o To set the starting point of the bolt tip length, wind the tip gently with a small spanner so that when in the retracted position (lever down), the tip is level with the end of the door. This allows approximately +/- 6mm of fine adjustment.
- o **Note:** Ensure clearance between the bolt tip and the escutcheon or track when the bolt is fully extended to allow for door movement.

Step M11

- o To assemble the multipoint escutcheons, mark the center position of the remote tips on the head and sill of the door frame.
- o Cut out the large hole using the dimensions given.
- o Fix the escutcheon assembly using the #8x13mm screws provided.
- o To adjust the door compression, loosen the #8x13mm undercut screws, turn the centrepiece using a screwdriver and tighten screws.
- o Test by closing the door & activating the multi-points, repeat the steps above if further adjustment is required.



Sorrento - CARE & MAINTENANCE

Installation

The product must be installed according to the instructions included in the product packaging and the door should be apertured according to the door "cut-out" dimensions and tolerances shown.

Prior to fitting ensure that:

- Doors stored on site are stored in a clean dry area free from cement, lime, paint, acid etc.

During fitting of the lock ensure that :

- No metal swarf or other contaminants enter the lock body.
- The fixing screws do not damage the product finish.

After installation of the door ensure that:

- The door is correctly adjusted with the correct clearances.
- The lock engages the strike plate correctly.

The door is protected from building fall-out such as wet plaster, mortar, paint and welding splatter.

If the door becomes contaminated:

- Do not paint the lock body or faceplate.

Remove wet plaster, cement, mortar and other droppings immediately, using ample clean water and a sponge or rag, to avoid permanent staining or scratching of the product finish. If removal is delayed and scraping becomes necessary the surface finish may suffer.

Maintenance

Annually inspect the door to confirm that the door operates with the correct clearances, closes and opens without obstruction and confirm that the lock tongue slides easily up the strike plate wing to freely enter the strike plate aperture when the door is closed - adjust the door if necessary.

Annually check that when the door is closed, the lock can be locked by key and by the snib lever.

Quarterly wipe the strike plates with a soapy rag to remove built up debris and to lubricate the strike plate (To prevent bouncing of the door).

NB : The lock assembly has been lubricated for life, and should not be disassembled by the user.

Cleaning Powder Coatings

Every six months, powder coated surfaces should be cleaned to protect the finish. However, in areas where pollutants are more prevalent, especially in coastal or industrial regions, cleaning should be carried out every two to three months.

To clean the powder coated surface:

- Carefully remove any loose deposits with a wet sponge.
- Use a soft brush (non abrasive) or cloth and a mild household detergent solution to remove dust, salt and other deposits. Do not use steel wool, scrapers, scouring liquids or powders to remove deposits as these permanently scratch the coating surface.
- Rinse off with clean fresh water.

Cleaning Chrome, Satin Chrome, Gold and Brass Finishes

Brass finishes are susceptible to tarnishing if they come into contact with moisture, wet paint, or water vapour. All brass finishes should be coated with a non-abrasive furniture or car wax immediately after installation. Brass finishes should be regularly wiped with a non-abrasive furniture or car wax, taking care not to scratch any protective finishes that are employed to protect the surface and prevent tarnishing.

Sorrento - MAINTENANCE LOG

In order to comply with your warranty, record all maintenance activity in the following log:

Address of Building :		
Name of Door :		
Date	Activity	Signed



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