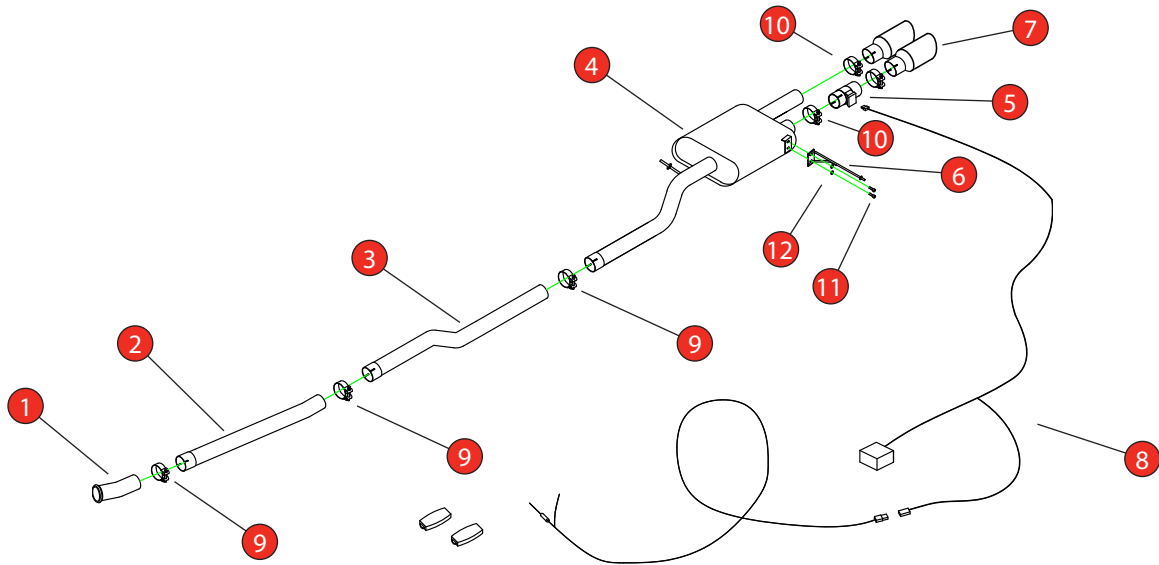


|              |                                          |                 |                      |
|--------------|------------------------------------------|-----------------|----------------------|
| <b>Car</b>   | Mini Cooper S F56 (ROW)                  | <b>Part No.</b> | SMNS033S             |
| <b>Year</b>  | 2014-2024                                | <b>Fit Kits</b> | 478FK                |
| <b>Notes</b> | Where not supplied use original fittings | <b>Features</b> | Pipe Diameter:- 76mm |

Estimated Fitting Time: 60 Minutes



| NO.            | PART NO.   | DESCRIPTION                     | QTY |
|----------------|------------|---------------------------------|-----|
| 1              | 795BM      | Adaptor                         | 1   |
| 2              | 797BM      | Non-Resonated Centre Section    | 1   |
| 3              | 955BM      | Link Pipe                       | 1   |
| 4              | 953BM      | Rear Silencer                   | 1   |
| 5              | 873AU      | Valved Trim Pipe                | 1   |
| 6              | 956BM      | Mounting Bracket                | 1   |
| 7              | Z023.10175 | Ø100mm Polished STW Trim        | 2   |
| 8              | 448FK      | Single Valve Control Module Kit | 1   |
| <b>Fit Kit</b> |            |                                 |     |
| 9              | Z016.10062 | 79mm H/D Clamp                  | 3   |
| 10             | Z016.10064 | 63-68mm H/D Clamp               | 3   |
| 11             | Z017.10070 | M8 x 12mm Cap Head Bolt         | 2   |
| 12             | Z017.10831 | M8 x 17mm Washer                | 2   |
| 13             | Z026.20232 | Ø25 x 5mm Alloy Spacer          | 2   |

|            |            |
|------------|------------|
| DATE       | 10/02/2025 |
| ISSUE      | 02         |
| AUTHORISED | S Shipley  |

**NOTE:** ENSURE SCORPION SYSTEM IS CLEAR OF MOVING PARTS AND ALL ORIGINAL FUNCTIONS WORK CORRECTLY.



Use the Ø25 x 5mm alloy spacer (item 13) to create more clearance from the cross member at the rear of the car.



STAY CONNECTED TO RED POWER.

|              |                                          |                 |                      |
|--------------|------------------------------------------|-----------------|----------------------|
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### Installation of Valve Control Module

#### Contents

- Red scotch locks (1x spare included) (not shown)
- TunR control module
- Fused power cable
- 2x key fobs
- Cable ties

#### Recommended Tools

- Trim removal tools
- Adjustable grips
- Side cutters
- Scissors
- Electrical tape
- Torch
- Flat head screwdriver
- T40 driver
- 10mm Socket

Note: When fitting, ensure cables are correctly suspended away from moving/hot parts. Included 10A fuse must be used. Do not connect directly to battery.

A) Remove right hand side boot cover

B) Carefully remove cigarette lighter using a flat head screwdriver and disconnect the plug

C) Carefully remove boot interior light using a flat head screwdriver. The light can be left connected and suspended. This is removed to make routing cables easier in a later step

D) Remove right-hand side luggage strap using a T40 driver. The plastic cover will need to be prised away to reveal the bolt

E) Use a trim removal tool to remove all clips holding down the boot slam panel trim

F) Carefully pull this panel up to remove it from the vehicle. This will provide the access required to neatly run the cable from the boot floor to behind the cigarette lighter





|              |                                          |                 |                      |
|--------------|------------------------------------------|-----------------|----------------------|
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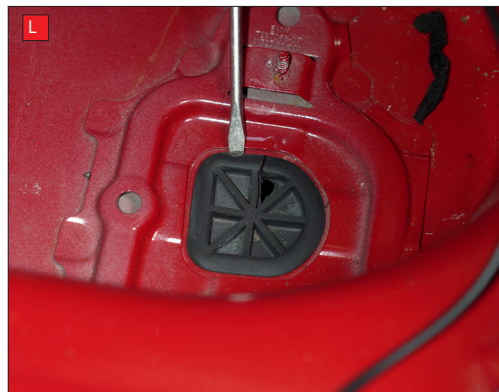
G) Route the cable up to the cigarette lighter hole

H) Remove the tape from the cigarette lighter feed cable. You can temporarily route this through the interior light hole to give more working space

I) Clip the Scotch lock on the blue and red striped wire. Also, slot in the red (12+ positive) wire into the back of the same Scotch lock



J) Use a tool such as adjustable grips or pliers to drive the metal connector into the Scotch lock to ensure good connection. Ensure the wires are firmly pushed in, then clip the Scotch lock together. Repeat this process with the brown and black wires. A spare Scotch lock has been included if required. Electrical tape can be used to secure all cables back together



K) Reconnect and refit cigarette lighter, interior light and right-hand side boot cover

L) Remove grommet that is located on the boot floor (underneath the tool kit). Cut a small incision to allow cable to pass through

M) Pass cable into boot floor and refit grommet, ensuring that the cable is neatly routed



N) Refit tool kit and slam panel trim. The interior stage of the installation is now complete

|              |                                          |                 |                      |
|--------------|------------------------------------------|-----------------|----------------------|
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O) Underneath the car using a 10mm socket remove the nuts that hold the plastic box to the car and gently pull it down, you don't need to fully remove it, this is where you fed the wire to in a previous step.

P) On the left hand side of the car using cable ties, mount the control module up inside the bumper.



Q) Run the cable from the boot over to the control module and plug it in. Run the cable (shown hanging down in the photo) above the heat shield. Then run the cable for the valve along the hanger and plug it into the valve. Secure to the hanger with cable ties. Refit the plastic box to the underside of the car and installation is complete.

#### Troubleshooting

If the valve doesn't open/close when pressing the buttons, first of all try pressing the button for longer. A long press of approximately 1 second is required to operate, this is to prevent changing the mode by accident.

If the valve still doesn't operate check the connections to the valves and the power connections to the control module.

If the connections are ok, try re-pairing the key fob. With the ignition/power to the module off, press and hold the 'open' button, turn the ignition/power to the controller on, wait 2 seconds then release the open button. Pairing is now complete.

If you are still having problems, please contact support [technical@scorpion-redpower.com](mailto:technical@scorpion-redpower.com)