# FORD MUSTANG ECOBOOST
## INTAKE AND TB SPACER

### TOOLS REQUIRED
- M8, M10 sockets
- M12 box wrench
- M4, M5, M6 allen wrench
- E5 socket
- Flat screwdriver

### MATERIALS REQUIRED

### Steps necessary for installing the Throttle Body Spacer ONLY have blue background.

1. Remove the engine cover.
2. Remove the engine cover’s stud and install it in the new location on the valve cover.
3. Remove the throttle body air duct.
4. Disconnect the throttle body wire harness.
5. Remove the throttle body.
6. Disconnect the MAP sensor.
7. Disconnect the vacuum line and the solenoid’s wire harness.
8. Prepare the Boomba Racing manifold and throttle body spacer kit.
9. Remove the wire harness’ clips from the intake manifold.
10. Remove the screw securing the coolant line to the intake manifold.
11. Remove the intake manifold’s bolts. Remove the intake manifold.
12. Prepare the Boomba Racing manifold and throttle body spacer kit.
<table>
<thead>
<tr>
<th>Step</th>
<th>Task</th>
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</thead>
<tbody>
<tr>
<td>13</td>
<td>Line up the intake manifold spacer’s locating pins with the engine block. Install the intake manifold and secure it to the engine head with the provided screws.</td>
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<tr>
<td>14</td>
<td>Reconnect the MAP sensor, the solenoid and the vacuum line. Secure the wire harness to the intake manifold.</td>
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<tr>
<td>15</td>
<td>Install the throttle body spacer and the throttle body. Secure it with the provided screws. Install the throttle body air duct.</td>
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<tr>
<td>16</td>
<td>Install the left engine cover’s relocating bracket.</td>
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<tr>
<td>17</td>
<td>Install the right engine cover’s relocating bracket.</td>
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<tr>
<td>18</td>
<td>Cut of the screw shield on the engine cover.</td>
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<td>19</td>
<td>Install the engine cover.</td>
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</tbody>
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