FORD FIESTA ST
INTAKE AND TB SPACER

1. When lifting the car always use stands to secure the car.
2. Demo car has the Symposer Delete Kit installed. For the symposer removal see Ford Fiesta ST Symposer Delete Installation Manual.
3. Remove the engine cover.
4. Disconnect the MAP sensor and the VVT solenoid.
5. Remove the vent line clip.
6. Disconnect the vent line by pulling the ring to the left to unlock it and pulling it out.
7. Disconnect the vent line by pulling the ring to the left to unlock it and pulling it out. Remove the vent line.
8. Disconnect the knock sensors. Remove the wire harness clips.
9. Disconnect the vacuum line.
10. Disconnect the vent line from the valve cover.
11. Disconnect the vent line from the engine block.
12. Disconnect the vent line.

MATERIALS REQUIRED

TOOLS REQUIRED

M7, M8, M10, M13, M15, M17, sockets, M13, M15, M17 box wrench, M3, M4, M5, M6, M8 allen wrench

T30 Torx
E8 socket
Pliers
Dremel

M3, M4, M5, M6, M8 allen wrench

T30 Torx
E8 socket
Pliers
Dremel

Dremel
Remove plastic vacuum hose from rubber adaptor on the top of valve cover (leave rubber adaptor in place).

Loosen the throttle body hose clamp.

Remove the serpentine belt cover.

Move the belt tensioner arm and remove the serpentine belt.

Loosen the intake pipe clamp.

Disconnect the vacuum line and the AT sensor. Remove the nut holding the charge pipe to the transmission.

Remove the serpentine belt cover.

Move the belt tensioner arm and remove the serpentine belt.

Loosen the throttle body hose clamp.

Remove the throttle body.

Disconnect the throttle body connector.

Remove the serpentine belt.

Loosen the intake pipe clamp.

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Disconnect the throttle body connector.

Remove the serpentine belt.
<table>
<thead>
<tr>
<th>Step</th>
<th>Action</th>
</tr>
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<tbody>
<tr>
<td>29</td>
<td>Remove plastic vacuum hose from rubber adaptor on the top of valve cover (leave rubber adaptor in place).</td>
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<tr>
<td>30</td>
<td>Install the lower alternator bolt. TIGHTEN ALL OF THE ALTERNATOR BOLTS.</td>
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<tr>
<td>31</td>
<td>Install the serpentine belt.</td>
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<tr>
<td>32</td>
<td>Install the lower alternator bolt.</td>
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<td>33</td>
<td>Install the serpentine belt cover.</td>
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<tr>
<td>34</td>
<td>Cut 0.950&quot; (24 mm) of the end of the throttle body mounting screws. ONLY WHEN INSTALLING THE THROTTLE BODY SPACER.</td>
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<td>35</td>
<td>Connect the alternator’s connector.</td>
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<td>36</td>
<td>Install the serpentine belt.</td>
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<td>Install the serpentine belt cover.</td>
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<td>Cut 0.950&quot; (24 mm) of the end of the throttle body mounting screws. ONLY WHEN INSTALLING THE THROTTLE BODY SPACER.</td>
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<td>Install the serpentine belt cover.</td>
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<td>41</td>
<td>Secure the throttle body to the spacer with provided 6 mm allen bolts.</td>
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<td>42</td>
<td>Make sure that the alternator wire harness runs under the throttle body and is not pinched between the throttle body and the thermostat.</td>
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<td>43</td>
<td>Reinstall the throttle body spacer with the shortened screws.</td>
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<td>44</td>
<td>Reconnect the throttle connector.</td>
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<td>Secure the throttle body to the spacer with provided 6 mm allen bolts.</td>
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<td>48</td>
<td>Reconnect the throttle connector.</td>
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<td>Reinstall the throttle body spacer with the shortened screws.</td>
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<td>52</td>
<td>Reinstall the vent line. Bottom hose clamp will not go all the way on the connecting nipple. Make sure that bottom hose clamp holds line in place.</td>
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<td>53</td>
<td>Reinstall all of the vent lines, vacuum lines. Secure the wire harness to the intake manifold. Connect all electrical connections.</td>
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<td>54</td>
<td>Install the cover relocation brackets over the cover posts. Clamp the relocation brackets to the cover posts.</td>
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<td>55</td>
<td>Reinstall the charge pipe. Connect the vacuum line and the AT sensor. Secure the pipe to the engine and tighten all of the hose clamps.</td>
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<td>56</td>
<td>Reinstall the engine cover.</td>
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