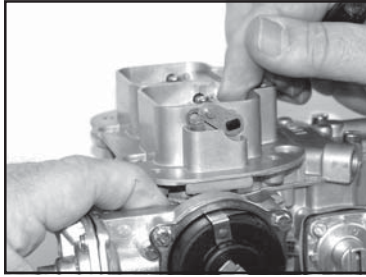
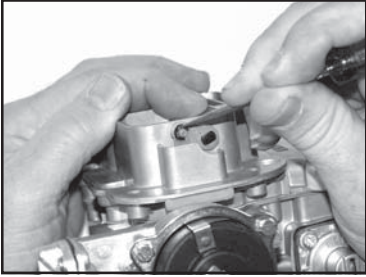




EMPI Carburetor Jetting Instructions

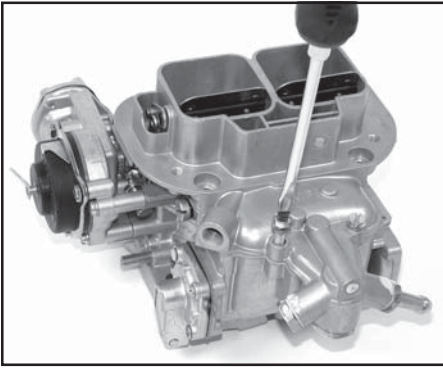
If your carburetor requires some jetting changes, here are some helpful directions:

- Air corrector and main jet changes will require the removal of the top of the carburetor.
- The idle jets are on the outside of the carburetor and do not require removal of the top.

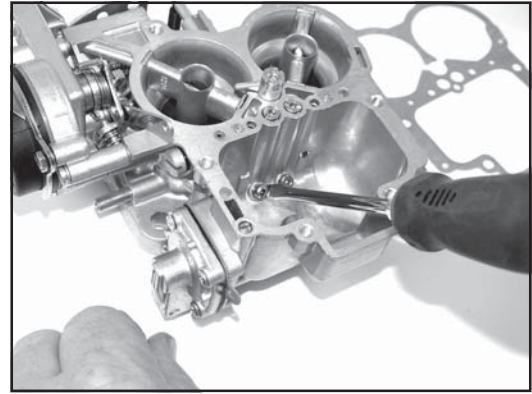


When changing the main and air corrector jets:

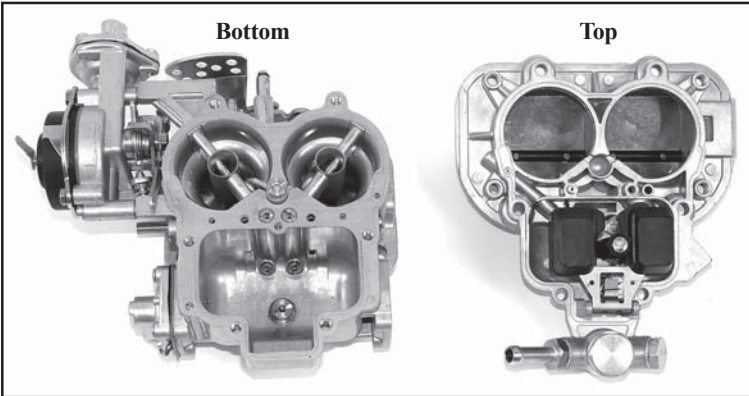
1. Remove the "C" clip from the choke plate arm and slip the arm off of the pin.



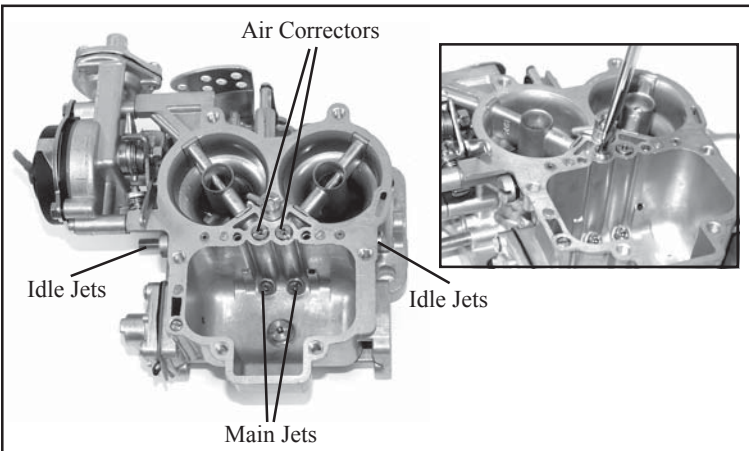
2. Remove the 6 mounting screws from the top of the carburetor and remove the top. Be careful not to tear the gasket.



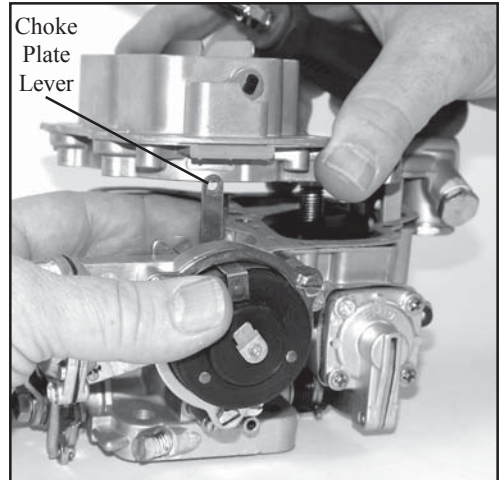
5. The main jets are located at the base of the float bowl. On a 32/36 progressive carburetor, the primary jets are over the butterfly with the throttle lever connected to it. If you are working on a 38 carburetor, both butterflies open at the same time so there is not a primary and both jets are the same size.



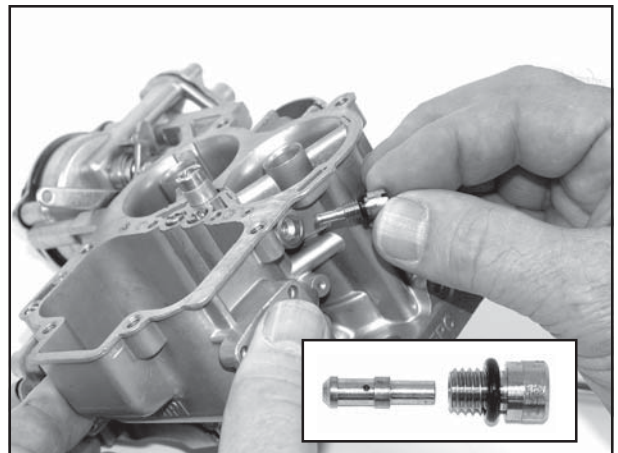
3. You now have access to all of the jets.



4. The air corrector jets are on the top of the carburetor over the float bowl.



6. After changing the jets, be sure to install the top gasket and start the choke plate lever into the slot before reinstalling the mounting screws.



7. If changing idle jets, remove the jet and o-ring from the side carburetor (again the primary jet is over the butterfly with the throttle lever on it). Separate the jet from the holder by pulling them apart. Replace with new jet and reinstall. Be sure to push the o-ring back against the screw head.

Some carburetors may require a jetting change to better accommodate the engine application. The following jets are supplied in your hardware kit and should be changed before installing the carburetor.

Kit Number: **47-1550-0**
47-1552-0
47-1553-0
47-1602-0
47-1646-0
47-1696-0
47-2743-0

Kit 47-1550 (EPC 32/36E)

| | Current | Part # | Change To | Part # |
|------------------|---------|---------|-----------|---------|
| Primary | | | | |
| Main | 145 | 43-5329 | 175 | 43-5335 |
| Air | 160 | 43-5437 | No Change | - |
| Idle | 75 | 43-5508 | 60 | 43-5505 |
| Secondary | | | | |
| Main | 145 | 43-5329 | 170 | 43-5334 |
| Air | 170 | 43-5439 | No Change | - |
| Idle | 60 | 43-5505 | No Change | - |
| Pump | 50 | 43-5393 | 70 | 43-5397 |

Kit 47-1552 (EPC 32/36E)

| | Current | Part # | Change To | Part # |
|------------------|---------|---------|-----------|---------|
| Primary | | | | |
| Main | 145 | 43-5329 | No Change | - |
| Air | 160 | 43-5437 | 170 | 43-5439 |
| Idle | 75 | 43-5508 | 45 | 43-5502 |
| Secondary | | | | |
| Main | 145 | 43-5329 | No Change | - |
| Air | 170 | 43-5439 | No Change | - |
| Idle | 60 | 43-5505 | 50 | 43-5503 |
| Pump | 50 | 43-5393 | No Change | - |

Kit 47-1553 (EPC 32/36M)

| | Current | Part # | Change To | Part # |
|------------------|---------|---------|-----------|---------|
| Primary | | | | |
| Main | 140 | 43-5328 | No Change | - |
| Air | 170 | 43-5439 | No Change | - |
| Idle | 65 | 43-5506 | 60 | 43-5505 |
| Secondary | | | | |
| Main | 150 | 43-5330 | 135 | 43-5327 |
| Air | 180 | 43-5441 | No Change | - |
| Idle | 50 | 43-5503 | No Change | - |
| Pump | 50 | 43-5393 | No Change | - |

Kit 47-1602 (EPC 32/36E)

| | Current | Part # | Change To | Part # |
|------------------|---------|---------|-----------|---------|
| Primary | | | | |
| Main | 140 | 43-5328 | No Change | - |
| Air | 170 | 43-5439 | No Change | - |
| Idle | 65 | 43-5506 | 55 | 43-5504 |
| Secondary | | | | |
| Main | 150 | 43-5330 | No Change | - |
| Air | 180 | 43-5441 | No Change | - |
| Idle | 50 | 43-5503 | No Change | - |
| Pump | 50 | 43-5393 | No Change | - |

Kit 47-1646 (EPC 32/36E)

| | Current | Part # | Change To | Part # |
|------------------|---------|---------|-----------|---------|
| Primary | | | | |
| Main | 145 | 43-5329 | 135 | 43-5327 |
| Air | 160 | 43-5437 | No Change | - |
| Idle | 75 | 43-5508 | 60 | 43-5505 |
| Secondary | | | | |
| Main | 145 | 43-5329 | 135 | 43-5327 |
| Air | 170 | 43-5439 | No Change | - |
| Idle | 60 | 43-5505 | No Change | - |
| Pump | 50 | 43-5393 | No Change | - |

Kit 47-1696 (EPC 32/36E)

| | Current | Part # | Change To | Part # |
|------------------|---------|---------|-----------|---------|
| Primary | | | | |
| Main | 145 | 43-5329 | No Change | - |
| Air | 160 | 43-5437 | 170 | 43-5439 |
| Idle | 75 | 43-5508 | 60 | 43-5505 |
| Secondary | | | | |
| Main | 145 | 43-5329 | No Change | - |
| Air | 170 | 43-5439 | No Change | - |
| Idle | 60 | 43-5505 | 50 | 43-5503 |
| Pump | 50 | 43-5393 | No Change | - |

Kit 47-2743 (EPC 38E)

| | Current | Part # | Change To | Part # |
|------------------|---------|---------|-----------|---------|
| Primary | | | | |
| Main | 142 | 43-5329 | 150 | 43-5330 |
| Air | 185 | 43-5442 | 190 | 43-5443 |
| Idle | 45 | 43-5502 | No Change | - |
| Secondary | | | | |
| Main | 142 | 43-5329 | 150 | 43-5330 |
| Air | 185 | 43-5442 | 190 | 43-5443 |
| Idle | 45 | 43-5502 | No Change | - |
| Pump | 70 | 43-5397 | 55 | 43-5394 |