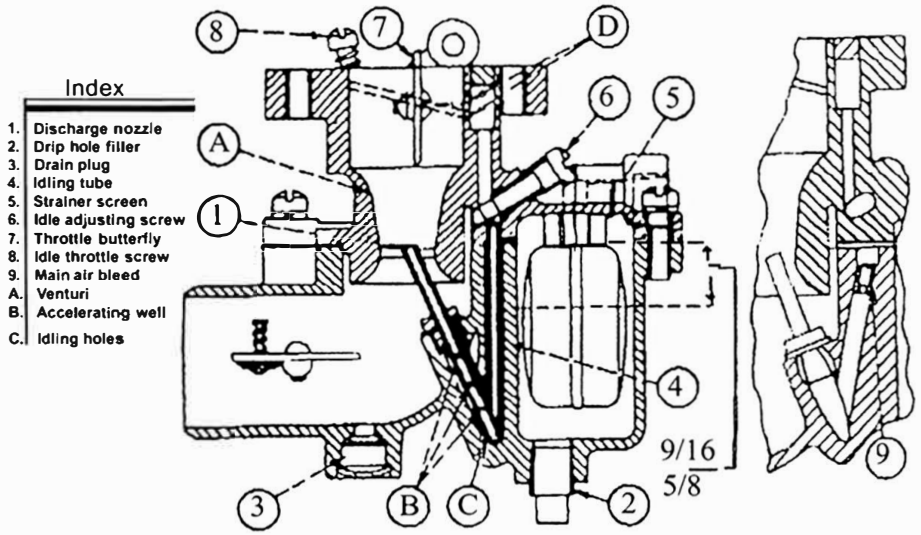
Instructions
International Harvester ¾ Updraft



Illust. 1
Cutaway side view of carburetor.

THROTTLE BODY

√ Remove the four assembly screws and separate the two halves of the carburetor, being careful to pull the cover straight up from the bowl to prevent breaking off or damaging the idle tube.

√ Remove the float lever pivot float assembly and float needle valve cage assembly.

√ Remove the throttle shaft screws, throttle butterfly and throttle shaft. Pry out the dust seal retainer and dust seal.

√ Remove the idle air adjustment screw and retainer.

√ Remove the strainer screen located in the fuel inlet just ahead of the float valve cage.

FUEL BOWL

√ Remove the main jet, discharge nozzle, starting shutter screws, starting shutter and starting shutter shaft and lever assembly. Pry out the dust seal retainer, dust seals, drip hole filler retainer and the drip hole filler. It should not be necessary to remove the main air bleed.

√ Clean the throttle body, fuel body casting, and all of the detail parts which are being reused, in a good commercial gum solvent. Blow out all the passages in the casting with compressed air. After cleaning, examine the castings to see if they have been damaged to any extent by corrosion; if so, replace the castings.

√ ### ASSEMBLY

Install the throttle shaft dust seal and retainer. The retainer may be pressed in on an arbor press or driven in with several light hammer blows. Install the throttle shaft assembly and throttle butterfly, being sure that the idle throttle adjusting screw is backed out to permit the throttle butterfly to close in the bore. The throttle butterfly must fit the bore closely with a minimum of light showing between the throttle bore and the butterfly. Do not use the throttle butterfly if the edges are nicked or damaged; replace with a new part. The throttle shaft must be free to turn without binding, except for the friction caused by the packing.

After the butterfly is located and the screws tightened, clinch over the exposed ends of the throttle butterfly screws. This can be done by fastening a 1/4" square rod in a vertical position in a vise, and locating the throttle body on the rod through the venturi to bring the end of the rod directly under the end of one of the throttle screws with the throttle in the open position. A flat end punch can then be tapped against the other side of the screw, flattening it down on the end only. Assemble the new float valve cage assembly, float assembly and float lever pivot. Turn the cover upside down and measure the distance from the bottom of the float (now the top of the float) to the gasket surface on the cover. If the measurement is not between the limits as shown in Illusts. 2, the location of the float may be changed by bending the lever, while holding it with a pair of piers, at the point marked "A". When bending the lever be sure to apply pressure on the lever itself and not on the thin wall of the float. Assemble the complete throttle body using the new parts provided. Care should be used in installing the idle tube to be sure it is screwed in tightly but is not turned in so far that it interferes with the idle air adjustment screw. The strainer screen is assembled by pressing it in place with a piece of 5/16" OD tube.

FUEL BOWL ASSEMBLY

√ Install the starting shutter shaft dust seal retainers, dust seal, and starting lever friction spring. Assemble the starting shutter shaft assembly and the starting shutter assembly. Locate the shutter in the bore with the same care used in locating the throttle butterfly. After assembly, clinch over the starting shutter screws to prevent them from becoming loose.

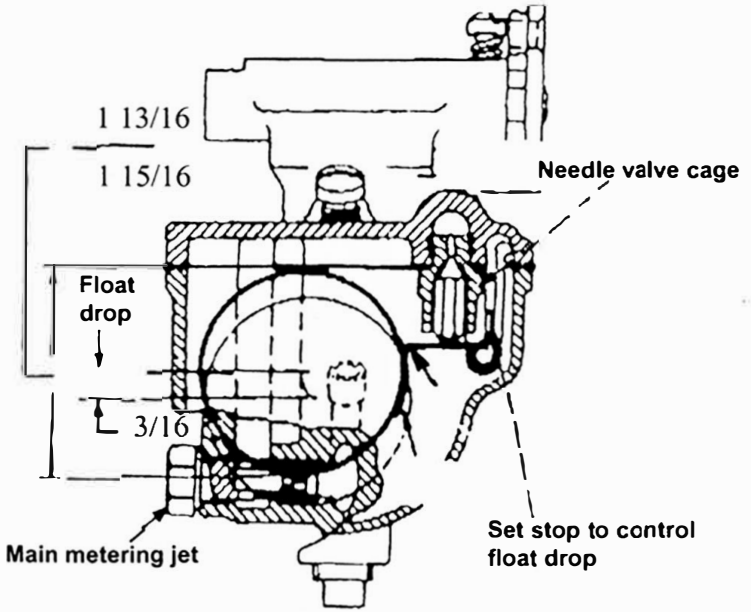
√ Install the drip hole filler and the drip hole plug. With a center punch stake the fuel bowl metal over the plug. Do not try to expand the plug.

√ Install the remainder of the parts in the carburetor using the new parts wherever furnished.

√ Assemble the two halves of the carburetor.

√ Set the idle air adjusting screw about one and one-half turns off the seat. Set the idle throttle stop screw to open the throttle about one turn of the screw.

√ Check the assembly screws and retighten them after the carburetor has been in use a short while, to take up the initial set of the gasket.



© 2022 Walker Products, Inc. All rights reserved.