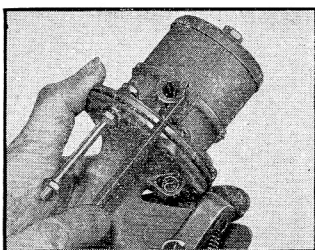
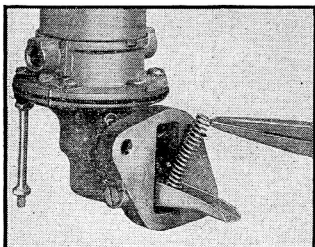


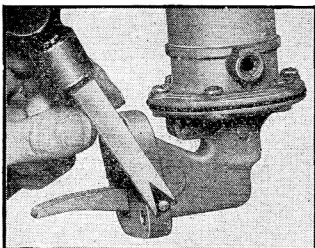
## SERVICE PROCEDURE CARTER MECHANICAL FUEL PUMP



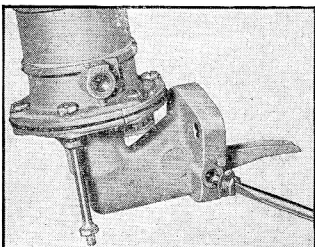
1. Mark pump body and valve housing to facilitate correct reassembly.



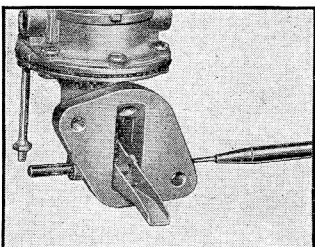
2. Remove cam lever return spring.



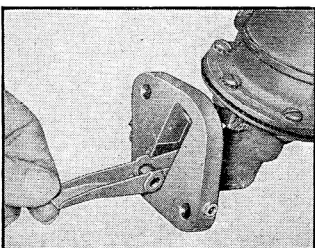
3. Remove rivet plug.  
(Use tool T109-43.)



4. Remove cam lever pin plug and washer.

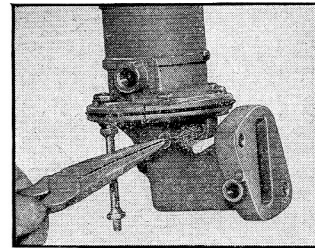


5. Remove cam lever pin.

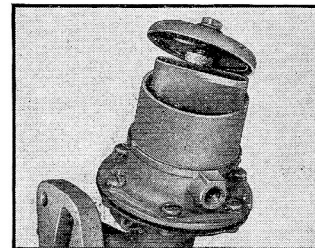


6. Remove cam lever and spring retainer.

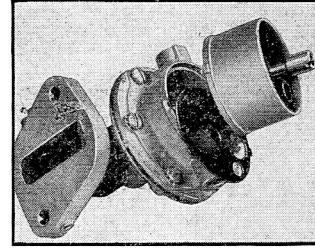
7. Remove vent retainer ring and packing.



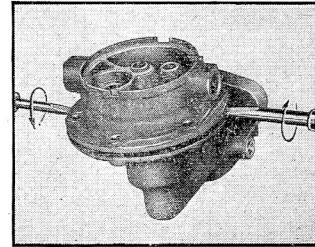
8. Remove bowl cover, gasket and strainer.



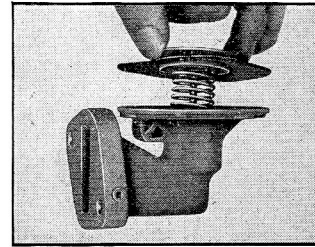
9. Remove bowl retaining screw, bowl and outlet airdome diaphragm.



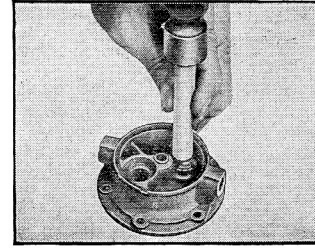
10. Remove pump valve housing. Insert screw drivers between pump valve housing and body at flats of diaphragm. Twist screw drivers as shown.



11. Remove diaphragm assembly.



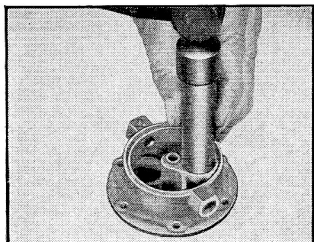
12. Remove both valve cage assemblies.



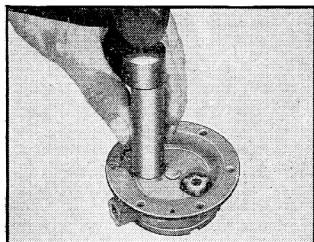
13.

Clean all parts in gasoline or solvent and dry with compressed air. Replace all worn or damaged parts.

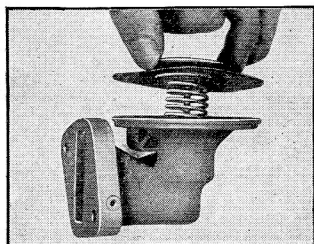
To Reassemble.



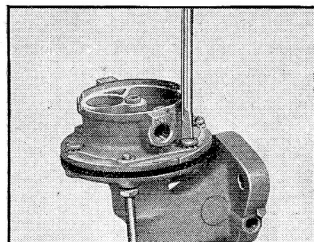
14.  
Install new intake valve cage assembly.  
(Use tool T109-191.)



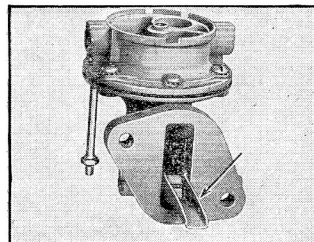
15.  
Install new discharge valve cage assembly.



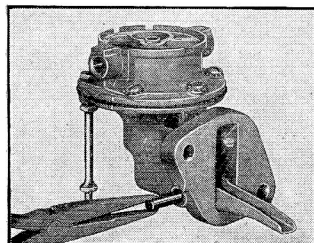
16.  
Install diaphragm assembly with flats toward ports.



17.  
Install pump valve housing.  
Align marks, then start all screws but do not tighten.



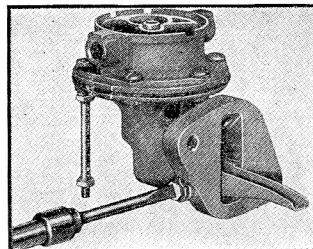
18.  
Install cam lever and spring retainer.



19.  
Install cam lever pin.

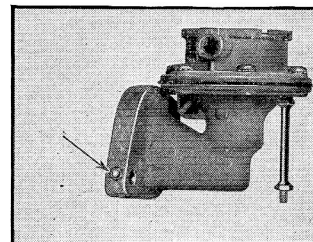
20.

Install cam lever pin plug and washer.



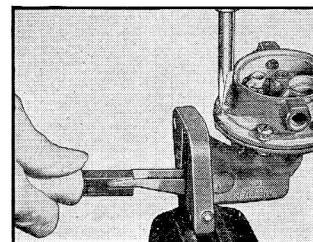
21.

Install new rivet plug.  
(Use tool T109-43.)



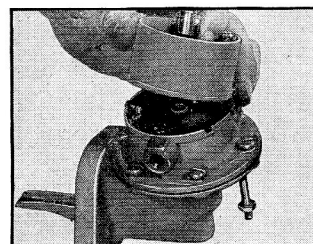
22.

Flex diaphragm assembly to full downward position and hold in place while tightening valve housing attaching screws.  
(Use tool T109-192.)



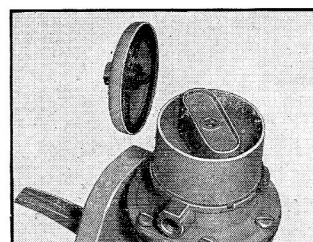
23.

Install outlet airdome diaphragm, bowl and bowl retaining screw and washer.



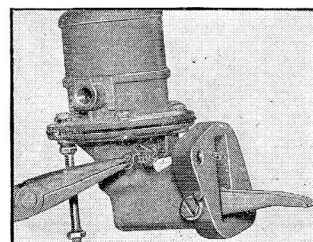
24.

Insert cap screw through gasket and bowl cover and install felt packing on screw. Then install strainer, bowl cover and ring gasket.



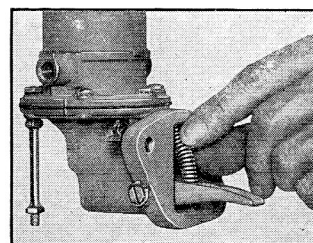
25.

Install vent packing and retainer.



26.

Install cam lever return spring.



**CAUTION**—When installing pump on engine be sure slot and stud holes in gasket are aligned with those in face of pump body.