

Product: TRACK-TYPE TRACTOR

Model: D7F TRACK-TYPE TRACTOR 93N

Configuration: D7F TRACTOR / DIRECT DRIVE / 93N00001-01174 (MACHINE)

Disassembly and Assembly SLEEVE METERING FUEL SYSTEM FOR FOUR AND SIX CYLINDER 4.75"

Media Number -REG01400-01

Publication Date -01/03/1974

Date Updated -17/03/2010

REG01400007

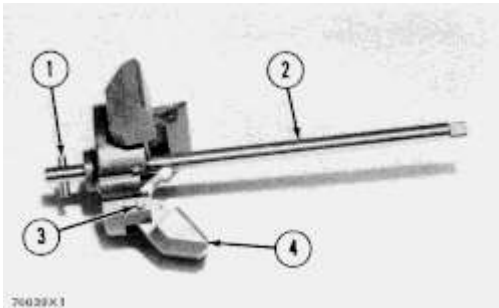
Governor

SMCS - 1264-16; 1264-15

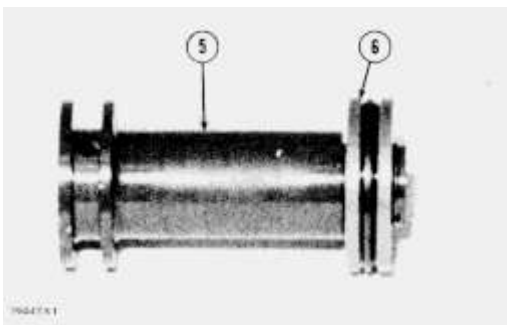
Disassemble Governor

start by:

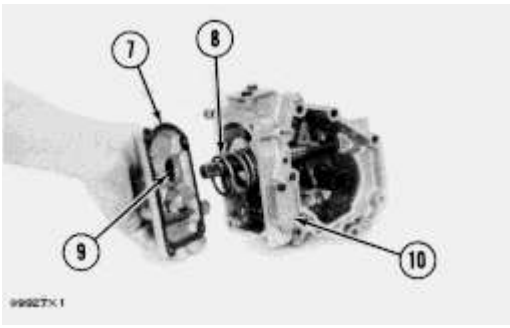
a) separation of governor from fuel injection pump housing



1. Remove shaft (2). Remove pin (1) from shaft.
2. Remove pins (3) from the flyweights. Remove flyweights (4).



3. Remove ring, races (6) and bearing from the riser (follower) (5).

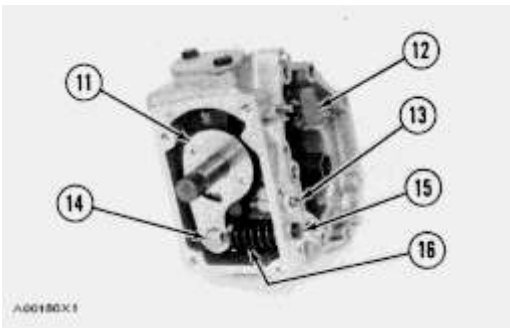


4. Remove cover (7) and spring (8) from governor housing.

NOTE: There is force on the cover from the spring.

5. Remove seal (9) from cover.

6. Remove cover (10) for the low and high idle adjustment.



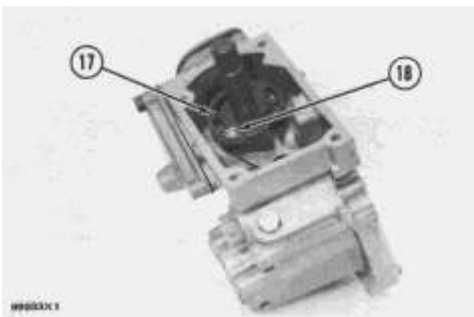
7. Remove locknut and screw (13) for the high idle adjustment.

8. Remove bolt (15) and washers for the low idle adjustment.

9. Remove spring (16) and guide.

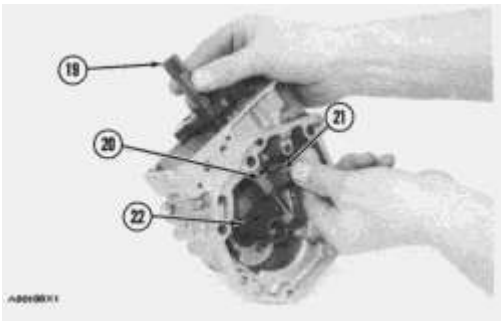
10. Remove pin (14) and plate (11).

11. Remove shaft (12) from the housing.



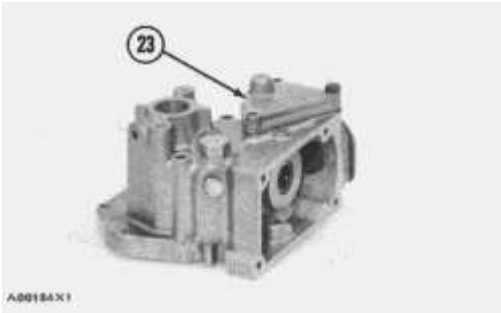
12. Remove pin (18) and two spacers (17) from shaft.

NOTE: Earlier fuel systems have a ball in place of spacers (17) and pin (18).

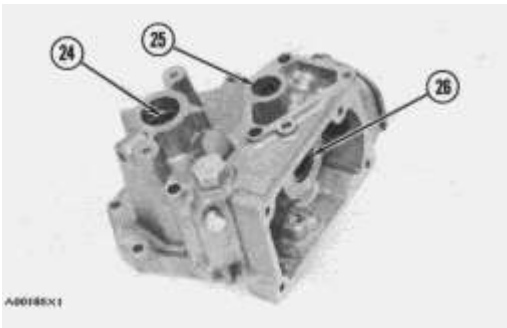


13. Remove shaft (19) from the governor housing.

14. Remove washer (20) and levers (21) and (22) from governor housing.



15. Remove cover (23) from governor housing.

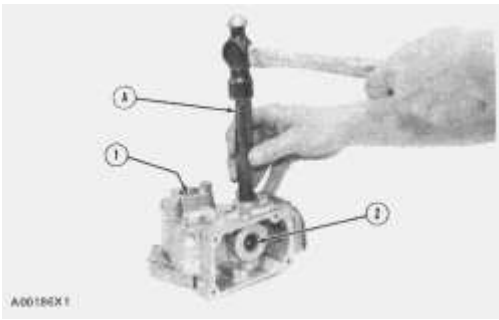


16. Remove seal (25) and bearing.

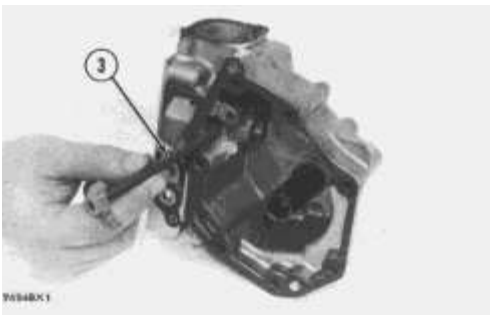
17. Remove seals (24) and (26) from governor housing.

Assemble Governor

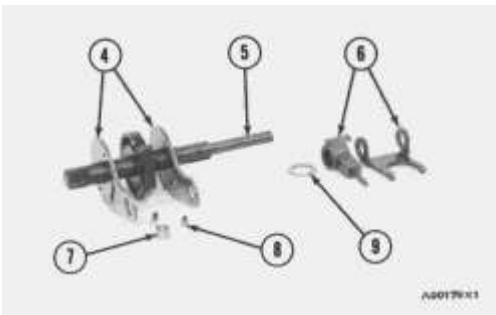
Tools Needed		A	B
1P529	Handle	1	1
1P457	Drive Plate		1
1P471	Drive Plate		1



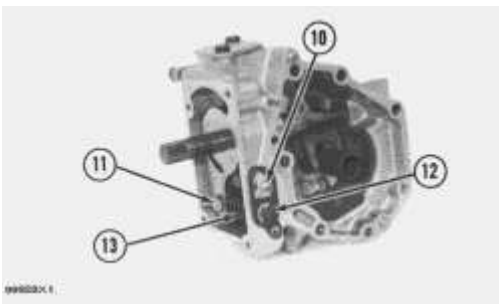
1. Install bearing and seal in the housing with tool (A). The lip of the seal must be toward the bearing.
2. Install seal (1) in housing with tool (A). The lip of seal must be toward inside of housing.
3. Install seal (2) in housing with tooling (B). The lip of seal must be toward the inside of housing.



4. Install shaft (3) in the housing.



5. Install plates (4), spacers (8) and pin (7) on shaft.
6. Install shaft (5) in housing and through washer (9) and levers (6).

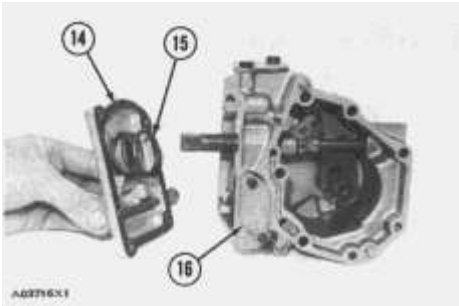


7. Install pin (11) in holes of the plates.
8. Install screw (10) and locknut for high idle adjustment.

9. Install spring (13) and guide.

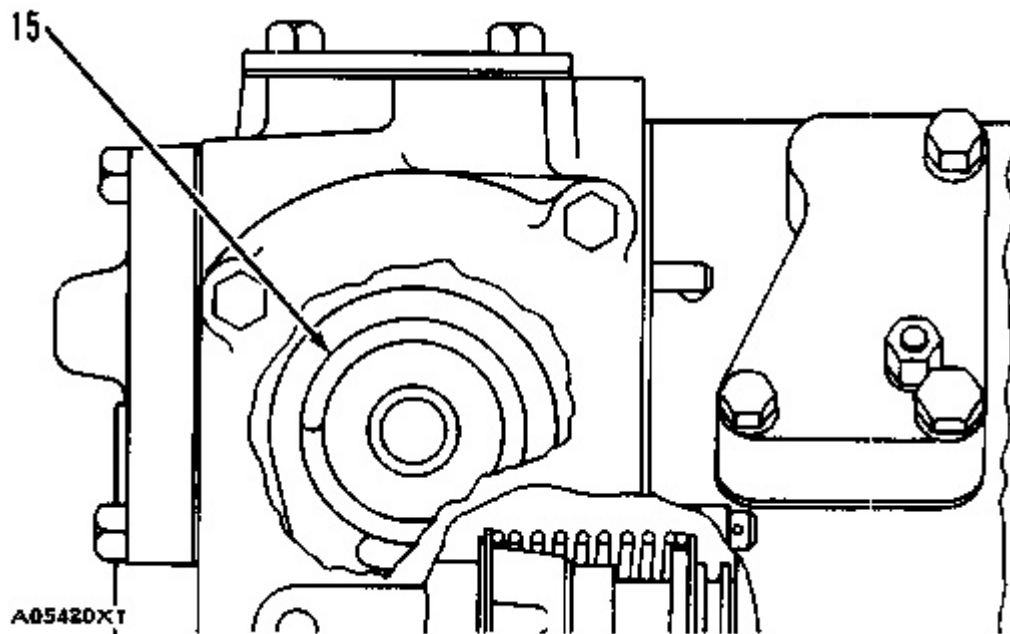
10. Install bolts (12) and washer for low idle adjustment.

11. Push plate and pin (11) over toward the bolt (12) and tighten the bolt.



12. Install seal in cover with tooling (B). The lip of seal must be toward the inside.

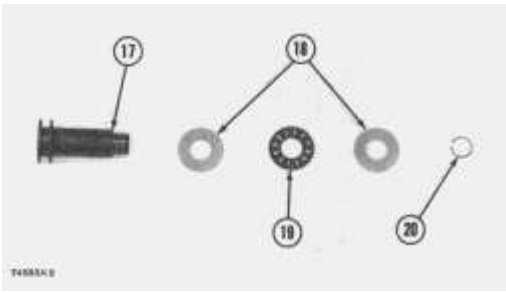
13. Install spring (15) in the cover. Install cover (14) on housing.



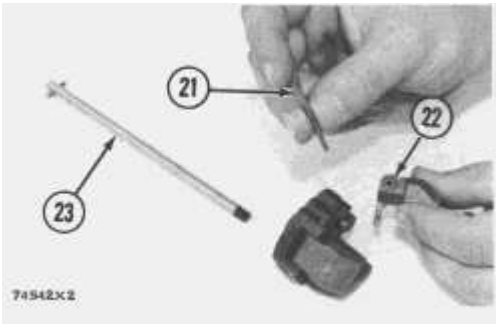
NOTICE

The spring (15) must be installed with the end of spring as shown.

14. Install cover (16) for the idle adjustment screws.



15. Install bearing (19) between the races (18) on riser (follower) (17). Install ring (20) that holds the washers on the riser (follower).



16. Install pin in shaft (23).

17. Install flyweights (22) and pin (21).

18. Install shaft (23) in the flyweight assembly.

end by:

a) connection of governor to fuel injection pump housing

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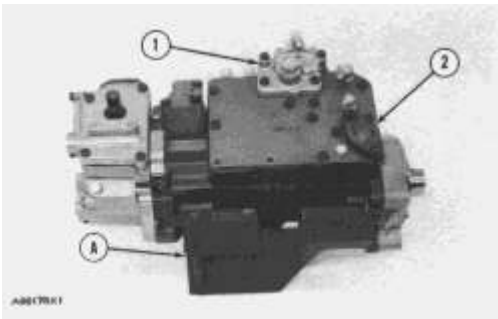
REG01400008

Fuel Check Valve And Bypass Valve

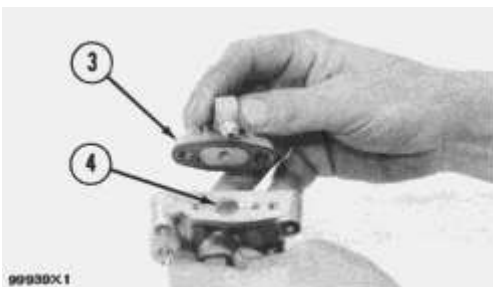
SMCS - 1264-16; 1264-15

Remove Fuel Check Valve And Bypass Valve

Tools Needed		A
2P8315	Bracket Assembly	1



1. Remove fuel from the pump housing and install on tool (A).
2. Remove cover (2) from top cover.
3. Remove fuel inlet and return housing (1) from top cover.



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