Instructions for elimination of Coolant Overflow Valve on JOHN DEERE Tractors 4040, 4050, 4150, 4240, 4250, 4350, 4440,4450, 4550 4640, 4840 AND 4850:

The modification procedure for the 4050, 4150, 4250, 4350, 4650, and 4850 Tractors is similar except for the location of the overflow valve and hoses.

WHEN INSTALLING NEW RADIATOR ONLY:

1.
Drain and replace radiator.
2.
Discard overflow valve, hose clamps, hoses, elbow and radiator cap
3.
Install new (10 psi) radiator cap – Northern part # RW0021-25.
DO NOT RE USE OLD CAP

WHEN ELIMINATING COOLANT OVERFLOW VALVE ONLY:

1.
Lift hood. Drain coolant from bottom of radiator to a level below overflow valve

2.
Remove and discard overflow valve, hose clamps, hoses, elbow and radiator cap
3.
Install new (10 psi) radiator cap – Northern part # RW0021-25.
DO NOT RE USE OLD CAP

WHEN INSTALLING NEW RADIATOR AND ELIMINATING COOLANT VALVE:

1.
Install new overflow hose on fil1er neck and route the same way as old hose. Route lower end of hose so that coolant drains away from center of tractor.

If necessary trim excess hose length to prevent hose kinks. Hose should extend 25 to 50mm(1 to 2 in.) be1ow the lower frame plate of tractor.
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2.
Clean the threaded holes. Coat threads with sealant provided and install pipe plugs in the two holes.

3.
Install new (10 psi) radiator cap - Northern part # RW0021-25.
DO NOT RE USE OLD CAP

Refill radiator to level specified below:

4050 92mm (3.6 in.) below top of filler neck

4150 92mm (3.6 in.) below top of filler neck

4250 92mm (3.6 in.) below top of filler neck

4350 92mm (3.6 in.) below top of filler neck

4450 92mm (3.6 in.) below top of filler neck

4650 114mm (4.5 in.) below top of filler neck

4850 114mm (4.5 in.) below top of filler neck

4040 92mm (3.6 in.) below top of filler neck

4240 92mm (3.6 in.) below top of filler neck

4440 92mm (3.6 in.) below top of filler neck

4640 114mm (4.5 in.) below top of filler neck

4840 114mm (4.5 in.) below top of filler neck

Operate tractor, check for leaks and re-check coolant level.