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 (7 psi) radiator cap – Northern part # RW0021-14.

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 (7 psi) radiator cap – Northern part # RW0021-14.

DO NOT RE USE OLD CAP

WHEN INSTALLING NEW RADIATOR AND ELIMINATING COOLANT VALVE:

1. Install new overflow hose on filler 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.) below 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 (7 psi) radiator cap – Northern part # RW0021-14 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 recheck coolant level.