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## Instructions for elimination of coolant overflow valve on John Deere tractors;

**4040, 4050, 4240, 4350, 4440, 4450, 4640, 4840 and 4850:**

The modifications 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 the radiator.
2. Discard overflow valve, hose clamps, hoses, elbow and radiator cap.
3. Install new (10 psi) radiator cap – AP Air part # 21-25

**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 – AP Air part # 21-25

**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 the 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.*

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 – AP Air part # 21-25

### Refill radiator to level specified below:

**4050** - 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.

**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.