

**CLUTCH AND SYNCHRONISER CALIBRATION**

The Semi-powershift transmission has 5 clutch packs and 2 synchronisers that require periodic calibration to compensate for wear. Calibration should only be necessary only if a deterioration in gear shift quality is noted.

**NOTE:** During the calibration procedure the electronic management system detects precisely the point at which the clutches start to engage. The engagement is detected by a reduction in engine speed. During calibration it is essential that no action is taken to cause the engine speed to vary. Be sure that the air conditioner and all electrical equipment is switched off. Do not operate the PTO or any hydraulic lever or move the hand or foot throttle.

There are two methods to enter the calibration mode

By depressing both up/down shift buttons together during start up.

or alternative method,

Using diagnostic tool 380000488 (FNH00874) plugged into the white diagnostic connector and entering mode H1, Figure 39, by depressing diagnostic tool button after engine start up.

**Tractor Preparation**

**NOTE:** The clutches should be adjusted when the transmission oil temperature is between 20°C (68°F) and 50°C (122°F).

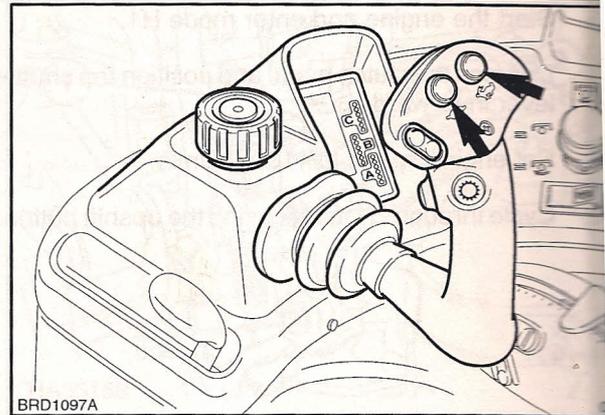
Park the tractor on level ground, away from obstacles (in case of unexpected tractor movement).

Apply handbrake, switch off all electrical equipment and air conditioning if fitted. Lower hydraulic equipment to the ground place remote levers in neutral and stop the engine.

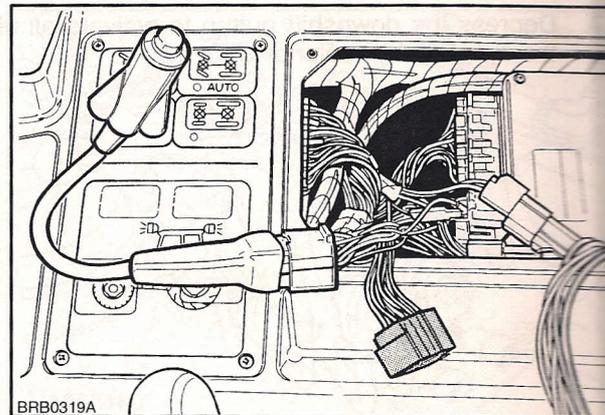
Place the shuttle in neutral. Block the wheels, front and rear.

Enter calibration mode using upshift/downshift buttons or diagnostic tool.

Release the buttons. The display will change to show transmission temperature.



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