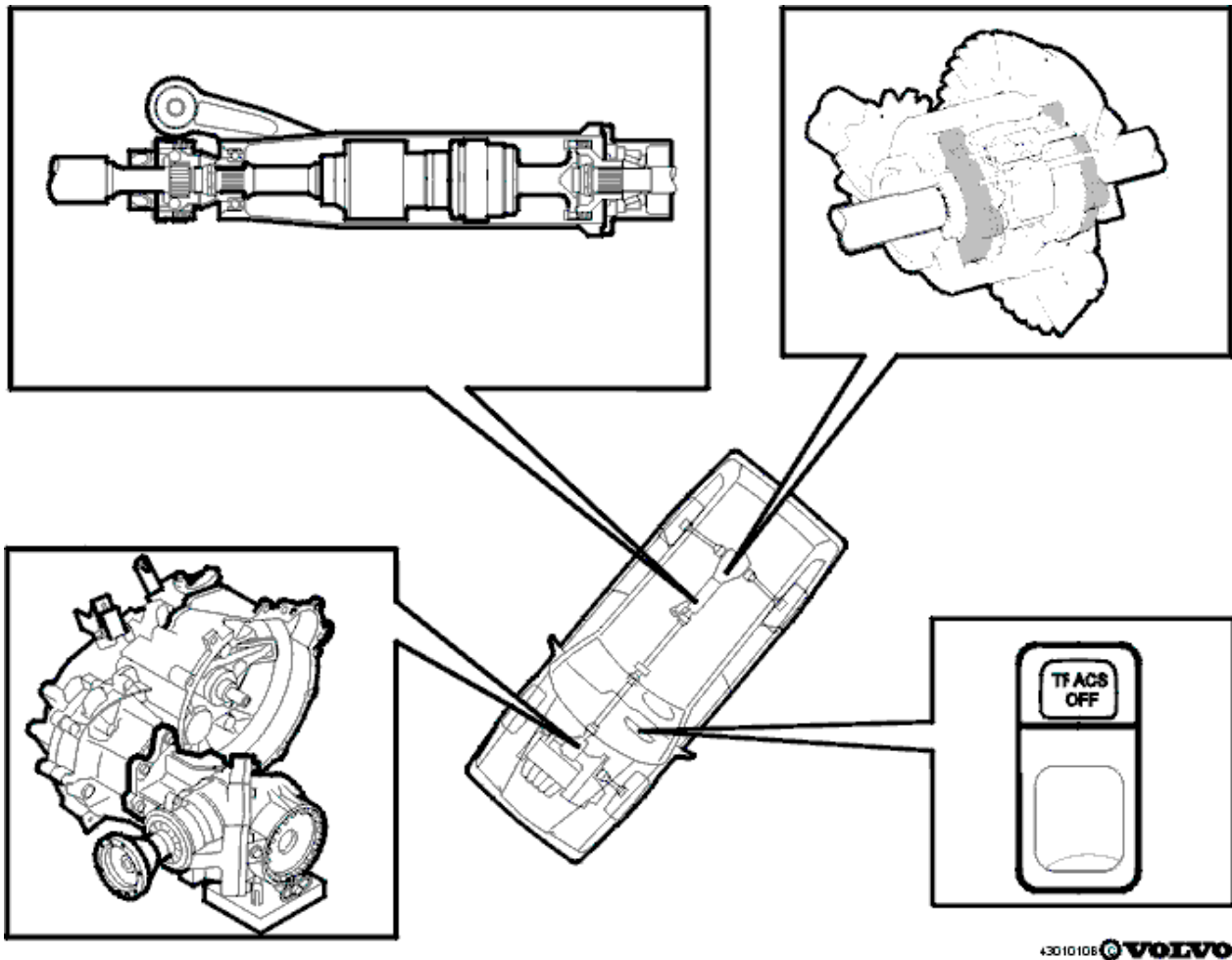


Volvo 850 AWD (= "All Wheel Drive")



General

Permanent four wheel drive with variable power distribution

Volvo 850 AWD has permanent four wheel drive with variable power distribution. Driving power to the front and rear wheels is distributed automatically depending on the condition of the road surface to provide the best possible grip and traction.

Four wheel drive + TRACS + Differential lock

All Volvo 850 AWD have TRACS for front wheels and Volvos differential lock for the rear wheels. Together the four wheel drive + TRACS + differential lock make for a car with excellent ability.

Prioritized characteristics during the development of the Volvo 850 AWD are the development of a user friendly which provides maximum traction when starting and when driving at low speed on slippery surfaces. It is not a car which is intended for rough terrain (ground clearance \approx other 850).

The 850 AWD will initially be available:

- as a station wagon
- with engine B5254T
- with manual transmission (M58)
- in Europe, Canada and certain Overseas markets.

Components

The most important components introduced on the Volvo 850 AWD are:

- Bevel gear on transmission.
- Propeller shaft.
- Torque tube containing:
 - A viscous coupling which distributes the driving force between the front and rear wheels.
 - A freewheel unit which connects the rear wheel drive when braking and makes it possible reverse with four wheel drive.
- Multi-link rear suspension.
- Fuel tank of the saddle type. The fuel tank consists of two halves, one on each side of the propeller shaft. The executable volume is the same as other 850 models.

Note! So as not to risk damage to the viscous coupling it is important to remember the following for the Volvo 850 AWD:

- * **They must be recovered with BOTH axles lifted, alternatively towed with all four wheels in contact with the road surface and able to roll freely.**
- * **If a rolling road test is carried out in must be done in such a way that the wheels which are not being tested can rotate freely.**
- * **Wheel sizes must be the same on all wheels.**

For more information refer to commentary booklet "Volvo 850 AWD".