

Volvo I-Shift / Mack M-Drive Transmission Maintenance Tips



1. Drain Transmission Air Tanks Daily

Drain the moisture from the transmission air reservoir daily. Draining the moisture for the air reservoir helps prevent moisture and contaminants from entering the transmission. Moisture in the transmission can affect operation and damage components.

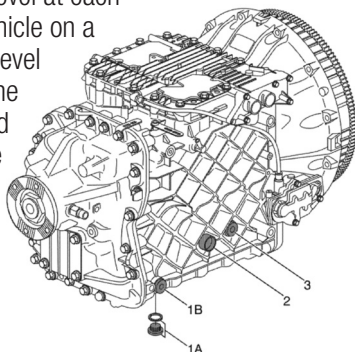


2. Shift Transmission in Neutral when Idle for Long Periods

If you are stopped or stationary for extended periods of time, shift the transmission in neutral from the drive position. This practice will help extend the life of your transmission.

3. Check Oil Level

Check the transmission oil level at each service interval. Park the vehicle on a level surface. Check the oil level through the sight glass on the side of the transmission. Add oil as necessary. Always use the correct approved synthetic oil.



1. (A&B) Drain Plug
2. Sight Glass
3. Fill Plug & Oil Level

4. Oil Change Intervals

The length of time a transmission can operate before an oil change is required depends on the quality of the oil used and the vehicle application. For severe service or off-highway applications, more frequent oil changes may be necessary.

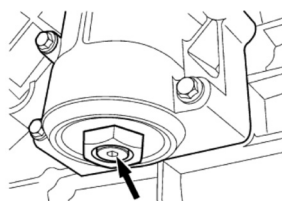


For on-highway applications, change the transmission oil every 400 000 km (250,000 miles). Always replace the oil filter when the oil is changed. Always use the approved synthetic oil whenever changing the transmission oil.

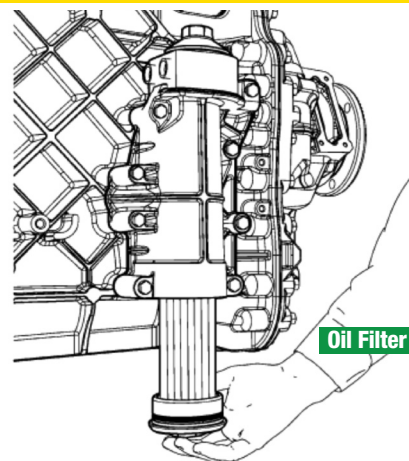
For additional information about oil change intervals, contact your ULT Distributor dealer, and ask for *Bulletin 175-60, Oil and Filters*.

5. Change the Oil Filter at Every Oil Change

Drain the oil filter housing before you remove the filter.



Oil Filter Housing Drain Plug



Oil Filter

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Moncton
New Brunswick
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613.749.4858

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Manitoba
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6. Towing

⚠ CAUTION! Never tow an I-Shift transmission without removing the driveline, regardless of the distance. Failure to do so will result in damage to the transmission.

⚠ CAUTION! You must tow a vehicle equipped with an I-Shift transmission according to the guidelines below. Failure to do so can result in damage to transmission components.

⚠ CAUTION! When towing the vehicle, the output shaft of the transmission must not be allowed to spin or turn. If the vehicle is towed with the drive wheels still in contact with the road surface, the vehicle axle shafts or driveline must be removed or disconnected.

Nomenclature

AT Automated Mechanical Transmission

0 0 = Overdrive
No Letter = Direct Drive

XX Maximum Input Torque Nm (lb-ft)
24 = 2400 *xxxx* **28** = 2800 *2050*
25 = 2500 *1850* **31** = 3100 *2300*
26 = 2600 *xxxx*

12 Forward Speeds

C Design Level

Gear Ratios

Gear Selection	AT2512C and AT2812C	AT02512C and AT03112C
1st	14.94:1	11.73:1
2nd	11.73:1	9.21:1
3rd	9.04:1	7.09:1
4th	7.09:1	5.57:1
5th	5.54:1	4.35:1
6th	4.35:1	3.41:1
7th	3.44:1	2.70:1
8th	2.70:1	2.12:1
9th	2.08:1	1.63:1
10th	1.63:1	1.28:1
11th	1.27:1	1.00:1
12th	1.00:1	0.78:1
R1 (reverse)	17.48:1	13.73:1
R2 (reverse)	13.73:1	10.78:1
R3 (reverse)	4.02:1	3.16:1
R4 (reverse)	3.16:1	2.48:1

I-Shift Towing Caution Label Location



ULT Welcomes Jakob Levin to the Team

Jakob will be leading our I shift program as Manager. Jakob's knowledge of AMT transmissions is vast. We ask everyone to welcome Jakob.



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