

# SERVICE AT A GLANCE

## Maintenance Intervals

H3-45 & X3-45 Series coaches, VIP commercial use (not applicable for Commuter Coaches)

<b>D13 Engine</b> EOBD-U24 compliant engines (EPA24) and newer		<b>Heavy</b> Between 5 mpg & 6 mpg 39 L/100 km & 50 L/100 km	<b>Normal</b> Between 6 mpg & 7.5 mpg 31 L/100 km & 39 L/100 km	<b>Economy</b> Greater than 7.5 mpg Less than 31 L/100 km
<b>Engine Oil &amp; Filters, Fuel Filters (Replace)</b> Using Volvo Premium VDS-5 Motor Oil If idle time is greater than 30%, use Heavy drain level	Miles	45,000	60,000	60,000
	Km	70,000	95,000	95,000
	Hours	1,400	1,700	1,700
Using Other Volvo Approved VDS-5 Motor oils If idle time is greater than 30%, use Heavy drain level	Miles	40,000	55,000	55,000
	Km	65,000	90,000	90,000
	Hours	1,300	1,600	1,600
<b>Air Filter</b> Replace the air filter	Time	When indicated by the air restriction indicator. Maximum 24 months		
<b>Coolant</b> Extended Life Coolant when coolant level is low	Miles	750,000		
	Km	1,200,000		
	Time	96 months		
<b>Coolant Filters</b> Long Life Filter without additives to be used with Extended Life Coolant	Miles	150,000		
	Km	240,000		
	Time	12 months		
<b>Valve Adjustment</b>	Miles	150,000 / then every 300,000		
	Km	240,000 / then every 500,000		
	Time	12 months / then every 24 months		
<b>Drive Belts Inspect</b>	Miles	31,250		
	Km	50,000		
	Time	12 months		
<b>Alternators</b> Remove belts, check for noisy bearings, bearing play	Miles	31,250		
	Km	50,000		
<b>Exhaust Aftertreatment System</b>		<b>Heavy</b>	<b>Normal</b>	<b>Economy</b>
<b>Diesel Particulate Filter (DPF)</b> Either clean the ash from the DPF or replace DPF	Miles	400 000	480 000	480 000
	Km	650 000	772 000	772 000
	Hours	10 000	12 000	12 000
<b>DEF, Pump &amp; Tank Filler Neck Filter</b> Drain DEF tank, Replace DEF pump main filter, Clean DEF tank neck filter	Miles	180 000	240 000	300 000
	Km	289 000	386 000	482 000
	Hours	5 500	7 000	9 000
<b>Transmission</b>		<b>Heavy</b>	<b>Normal</b>	<b>Economy</b>
<b>I-Shift Transmission</b> (Volvo I-Shift transmission Fluids or other Volvo approved oils)	Miles	500 000	500 000	525 000
	Km	800 000	800 000	844 000
	Time	60 months	60 months	60 months
<b>Allison Transmission B500, B500R (retarder)</b> With TES389 approved fluid and Prognostics mode disabled - change transmission fluid, Main & Lube filters	Miles	25 000 (12 000 B500R)		
	Km	40 000 (20 000 B500R)		
	Time	12 months (6 months B500R)		
With TranSynd or TES295 synthetic fluid only, no mixture and Prognostics mode disabled - change transmission fluid, Main & Luk filters	Miles	Fluid: 300 000 (150 000 B500R) Filters: 75 000		
	Km	Fluid: 480 000 (240 000 B500R) Filters: 120 000		
	Time	Fluid: 48 months Filters: 36 months		
With TranSynd or TES295 synthetic fluid only, no mixture and Prognostics mode enabled - change fluid & filters	Time	60 months or when indicated by TRANSMISSION SERVICE indicator		
With TES389 approved fluid with Prognostics mode enabled - change fluid & filters	Time	24 months or when indicated by TRANSMISSION SERVICE indicator		
<b>Chassis</b>		<b>Heavy</b>	<b>Normal</b>	<b>Economy</b>
<b>Power Steering</b> Check power steering fluid condition through visual inspection	Miles	100 000		
	Km	160 000		
	Time	12 months		
Change power steering fluid filter	Time	12 months		
<b>Differential</b> Check oil level, add if necessary	Miles	25,000		
	Km	40,000		
	Time	6 months		
MERITOR: change oil and clean the breather, magnetic fill and drain plugs	Miles	100 000 / Synthetic Oil 250 000		
	Km	160 000 / Synthetic Oil 400 000		
	Time	12 months / Synthetic Oil 48 months		
ZF: Change oil and breather	Miles	106 000		
	Km	170 000		
	Time	36 months		

These maintenance intervals are general recommendations. Please refer to the appropriate maintenance and lubrication manual for your specific vehicle as the authoritative source for all details of a proper and complete inspection and maintenance plan for your vehicle.