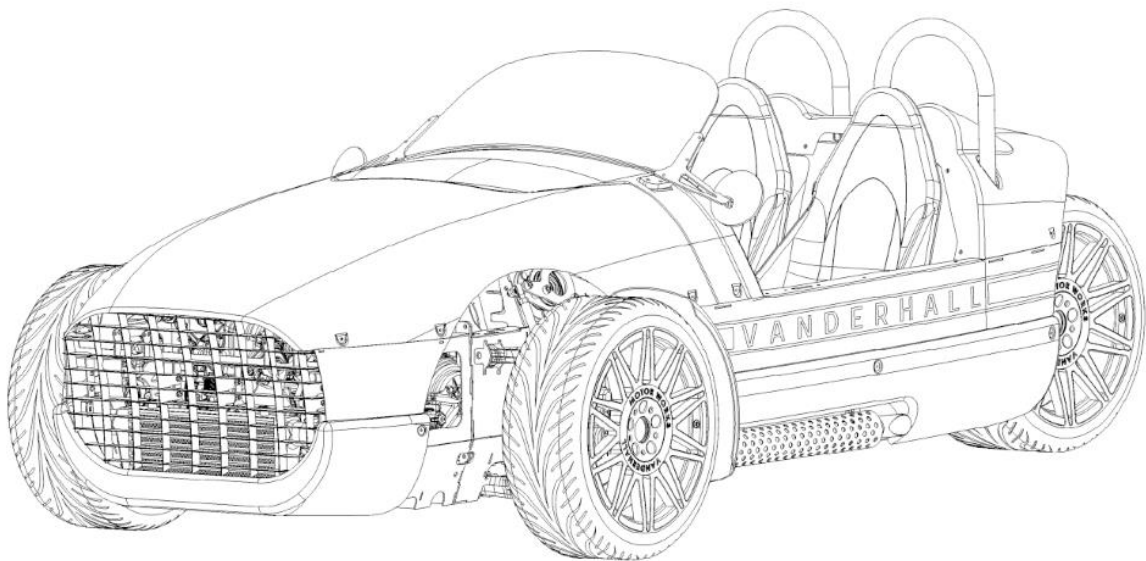




Quick Reference Guide





V A N D E R H A L L

Quick Reference Guide

Fluids

Application	Specification	
	Metric	SAE
Cooling System	6.5 L	6.9 qt
Engine Oil with Filter	4.0 L	4.2 qt
Fuel Tank	35 L	9 Gal
Transmission Oil	7.7 L	8 qt

Torque Specs

Interior Fasteners

Application	Specification	
	Metric	SAE
Seat Rail to Chasis	20 Nm	15 ft lb
Seat Rail to Frame	20 Nm	15 ft lb
Upper Seat Belt Guid	50 Nm	35 ft lb
Seat Belt Retractor	50 Nm	35 ft lb
Lower Seat Belt Mount	50 Nm	35 ft lb
Seat Belt Latch To Chassis	50 Nm	35 ft lb
Dash Bolts	3 Nm	25 in lb
Dead Pedal Mounting Bolts	3 Nm	25 in lb
Center Channel to Chassis	3 Nm	25 in lb
Door Sill to Chassis	3 Nm	25 in lb
Thigh Pad to Chassis	3 Nm	25 in lb
Speaker to Chassis	3 Nm	25 in lb
Shift Boot to Chassis	3 Nm	25 in lb
Traction Plate to Chassis	3.5 Nm	30 in lb
Heater Vent Surround Fasteners	3 Nm	25 in lb



V A N D E R H A L L

Exterior Body Fasteners

Application	Specification	
	Metric	SAE
Windsheild Support to Chassis	22 Nm	16 ft lb
Mirror Post to Windshield Support Screw	7.5 Nm	5.5 ft lb
Style Bar Mounting Bolts (Roll Bars)	47 Nm	35 ft lb
Exterior Body Panel Screws	22 Nm	16 ft lb
Grill Screws	7 Nm	60 in lb
Fender Mounting Nuts	34 Nm	25 ft lb
Front Fender Mounting Bracker to Brake Caliper	115 Nm	85 ft lb
Rear Hub Cover Bolt	3.5 Nm	30 in lb

Suspension

Application	Specification	
	Metric	SAE
Lower Ball Joint Nut	40 Nm	30 ft lb
Plus	135°	135°
Lower Control Arm to Frame Nut	165 Nm	122 ft lb
Coil Over Shock to Frame	72 Nm	53 ft lb
Coil Over Shock to Rocker	72 Nm	53 ft lb
Sway Bar End Link Nuts	65 Nm	48 ft lb
Sway Bar Bushings	55 Nm	41 ft lb
Tie Rod End Nut	30 Nm	22 ft lb
Plus	115°	115°
Upper Ball Joint Nut	30 Nm	22 ft lb
Plus	150°	150°
Upper Control Arm to Frame	110 Nm	81 ft lb
Suspension Rocker	108 Nm	53 ft lb
Wheel Lug Nuts	122 Nm	90 ft lb
Trailing Arm to Frame	215 Nm	158 ft lb
Coil Over Shock to Frame	72 Nm	53 ft lb
Coil Over Shock to Rocker	72 Nm	53 ft lb
Wheel Hub Bolt	115 Nm	85 ft lb
Front Wheel Drive Shaft Nut	50 Nm	37 ft lb
Plus	60°	60°



V A N D E R H A L L

Steering

Application	Specification	
	Metric	SAE
Steering Gear Bolt	100 Nm	74 ft lb
Plus	97°	97°
Steering Linkage Inner Tie Rod	100 Nm	74 ft lb
Steering Linkage Outer Tie Rod Nut	30 Nm	22 ft lb
Plus	128°	128°
Intermediate Steering Shaft Upper & Lower Bolts	49 Nm	36 ft lb
Steering Column Upper & Lower Support Bracket	22 Nm	16 ft lb
Steering Wheel Bolt	45 Nm	33 ft lb
Front Wheel Drive Shaft Nut	50 Nm	37 ft lb
Plus	60°	60°
Wheel Lug Nuts	122 Nm	90 ft lb

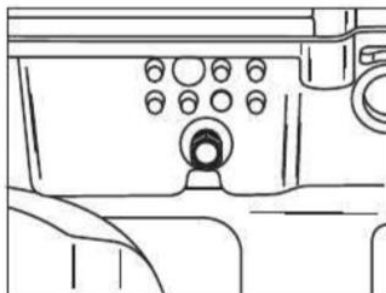
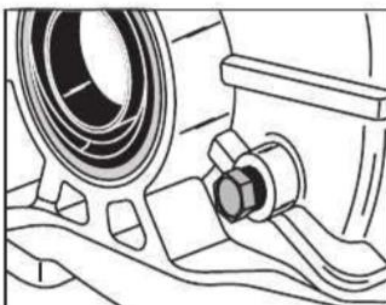
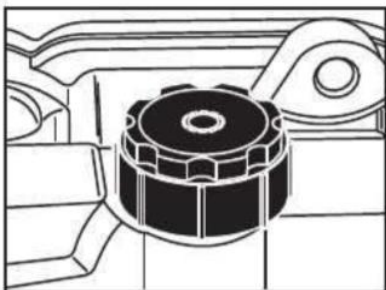
Brakes

Application	Specification	
	Metric	SAE
Brake Pipe Fitting	18 Nm	13 ft lb
Brake Pressure Modulator Valve Bolt	11 Nm	97 in lb
Brake Pressure Modulator Valve Bracket Nut	17 Nm	12 ft lb
Electronic Brake Control Module Bolt	3 Nm	26 in lb
Rear Wheel Speed Sensor Connector Cover Nut	2 Nm	18 in lb
Wheel Speed Sensor Bolt-Front and Rear	8 Nm	71 in lb
Brake Caliper Bleeder Valve– Front 11 Nm 97 lb in	11 Nm	97 in lb
Brake Caliper Bleeder Valve– Rear 14 Nm 10 lb in	14 Nm	10 ft lb
Front Brake Caliper Bolts to Steering Knuckle 115 Nm 85 lb in	115 Nm	85 ft lb
Rear Brake Caliper to Brake Hub Adaptor (Wilwood Caliper)	54 Nm	40 ft lb
Rear Brake Caliper Bolts to Hub Adaptor (TRW Caliper)	115 Nm	85 ft lb
Rear Brake Caliper Guide Pin Bolt (TRW Caliper)	27 Nm	20 ft lb
Brake Hose Fitting Bolt– Front and Rear	40 Nm	30 ft lb
Brake Rotor Screw– Front and Rear	10 Nm	89 in lb
Brake Caliper Bleeder Valve– Front (Sport Brembo)	14 Nm	124 in lb
Front Brake Caliper Bolts to Steering Knuckle (Sport Brembo)	130 Nm	96 ft lb
Wheel Lug Nuts	122 Nm	90 ft lb

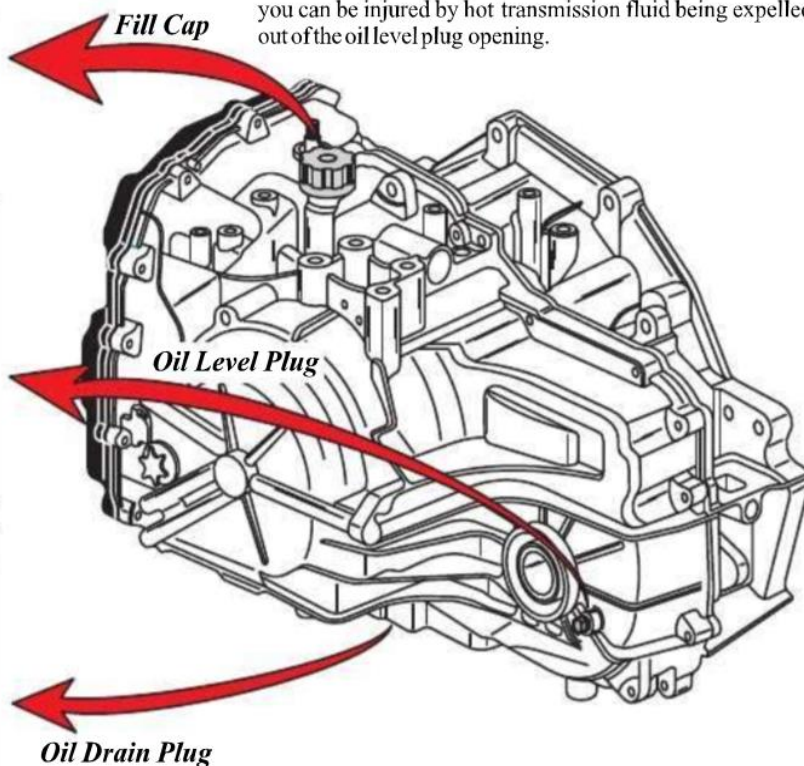


V A N D E R H A L L

6T30/40/45/50



Warning - The engine must be running when the transmission fluid level plug is removed, or excessive fluid loss will occur. Transmission fluid may be hot. Since the actual fluid level is unknown, stand clear when removing the level plug. Have a container ready to capture any lost fluid. Do not turn the engine off with the level plug removed, as you can be injured by hot transmission fluid being expelled out of the oil level plug opening.



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TRANSMISSION FLUID CAPACITY SPECIFICATIONS

<i>DEXRON-VI</i> <i>Automatic Transmission Fluid</i>	SPECIFICATION	
	QUARTS	LITERS
APPLICATION		
Fluid Change - Approximate Capacity	4.2 - 6.3	4.0 - 6.0
Valve Body Cover Removal - Approximate Capacity	5.3 - 7.4	5.0 - 7.0
Overhaul - Approximate Capacity	8.5 - 9.0	8.0 - 8.5

When draining fluid, the fluid temperature must be below 140° F (60° C) due to internal thermal element. The transmission fluid level must be checked when the transmission fluid reaches a temperature of 185 - 203° F (85 - 95° C). Adjusting the fluid level outside these temperatures will result in internal damage (underfilled) or fluid discharge out of the vent (overfilled) or possible overheating of the transmission.



Notes