

Fluids


Air Conditioning

Depending on its intended sales region, the air conditioning system is filled with R134a or 1234yf refrigerant. Refer to the label on the RH front trunk trim.

Table 1. Refrigerant

Fluid	Part Number
EMEA only: R1234yf Refrigerant	2006643-00-A
USA, CA, and APAC only: R134a Refrigerant	1012403-00-B

If oil needs to be added to the system, use only POE ND-11 (part number1023305-00-A) or equivalent.

 **Caution:** Do not mix different types of air conditioning system oil. Model S, Roadster 1.5 and Roadster 2.0/2.5 all use different oils. Model S and Model X use the same A/C system oil.

If ultraviolet dye needs to be added to the system to troubleshoot a leak, use only Tracerline Tracer-Stick TP-3811 (Hybrid / POE) dye.

Coolant Solutions

The cooling system contains an ethylene glycol (phosphate and nitrate free) based coolant.

Tesla G-48 coolant (part number 1029320-00-A or 1061466-00-A) is a pre-mixed 50/50 solution of antifreeze and water. The coolant is ready to use. Do not add water.

 **Caution:** Do not top-up or refill the cooling system with any other type of coolant.

Coolant Concentration

The overall coolant concentration should not fall below 50% by volume to ensure that the anti-corrosion properties of the coolant are maintained. Coolant concentrations greater than 60% are not recommended as cooling efficiency will be impaired.

Tesla G-48 coolant (part number 1012820-00-A) is a pre-mixed 50/50 solution of coolant and water. The coolant is ready to use. Do not add water.

Brake Fluid

DOT 3 Dow 372LB (part number 1060099-00-A) is the recommended brake fluid. Only use new fluid from sealed containers.

Note: Avoid mixing DOT 3 and DOT 4 type brake fluids. Perform the brake system flush procedure if changing brake fluid types. Vehicles are originally supplied with DOT 3 brake fluid.

Electrical Joint Compound

Penetrox A-13 electrical joint compound (part number 2006271).

Transmission Fluid

Front drive unit part number 1035000-00-F and earlier: Mobil SHC 629

Front drive unit part number 1035000-00-J and later: Automatic transmission fluid - SK lubricant 212-B – quart (part number 1031106-00-A)

Rear drive unit (small and large): Automatic transmission fluid - SK lubricant 212-B – quart (part number 1031106-00-A)

Rear drive unit (small and large): Automatic transmission fluid - SK lubricant 212-B – drum (part number 1061469-00-A)

Washer Fluid

Tesla Windshield Wash, part number 6005944-00-A (1 gallon) or 1061464-00-A (drum).