



# PCA Zone 8 Concours & Judges School

Engine  
By Bev Gould



# Engine Score Sheet

## Judging Area 4: ENGINE COMPARTMENT Score Sheet

Entrant Name: \_\_\_\_\_ Class: \_\_\_\_\_

Judge Name: \_\_\_\_\_

Subarea	Maximum Points	Deduction	Remarks
i: Engine, engine-driven devices and all belts	20		
ii: Sheet metal, splash pan and radiators as applicable	10		
iii: Engine compartment walls including firewall and interior side panels and oil filler cap and neck	15		
iv: Underside of engine compartment lid and its mating surfaces	5		
v: Rubber and plastic items not included in systems listed in other subareas, all hoses	5		
vi: Wiring and other electrical components, excluding the battery	10		
<b>Total:</b>	<b>65</b>		

This score sheet supercedes all previous versions (dly 11-12-2007)

# Engine

## Engine, engine-driven devices and all belts

- Dirt, oil and grease on engine, especially around thermostats, pressure and temperature senders and around fittings for lines and hoses,
- Grease or dirt in throttle linkage,
- Dirt around air cleaner housing, in air intake and around fuel injection components,
- Dirt on fan, alternator, pump and compressor pulleys, including the back surfaces,
- Dirt on belts,
- Oil and dirt around cam chain covers
- Oil and dirt around distributor drive.



# Sheet Metal

## Sheet metal, splash pan and radiators as applicable

- Dirt on any sheet metal pan around engine,
- Dirt around any engine sheet metal mounting brackets and
- Dirt and insects in radiator, intercooler or air conditioner condenser.



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# Compartment Walls

Engine compartment walls including firewall and interior side panels and oil filler cap and neck

- Dirt on sidewalls and firewall,
- Condition of any sound insulating pad,
- Oil on oil filter, oil filler neck and cap and
- Dirt around fuel filter housing if mounted on sidewall.



# Underside Engine Compartment

## Underside of engine compartment lid and its mating surfaces

- Dirt underneath deck lid and inside any open lips around the underside edges,
- Dirt, insects and debris inside any grill in deck lid,
- Grease and dirt in hinges and gas struts,
- Grease and dirt on latch pin and in latch mechanism,
- Dirt and grease in retractable spoiler mechanism (in 911s starting with 964),
- Dirt in depression around engine compartment into which the deck lid fits
- Dirt or defects in any weather stripping or rubber trim around edges of compartment or underside of lid.



# Rubber & Plastics

Rubber and plastic items not included in systems listed in other subareas, all hoses

- Dirt, oil and grease on water, oil, fuel, air, vacuum, refrigerant and hydraulic lines
- Dirt and grease on any rubber seal around edge of engine compartment.





# Wiring & Electrical

## Wiring and other electrical components, excluding the battery

- Dirt and grease on electrical and relay panels and fuse blocks in engine compartment,
- Dirt and grease on wiring harnesses and ignition wires and
- Dirt and grease on ignition generator.





# Appendix





# Judges Manual touch points – Engine

## ENGINE COMPARTMENT

- ▶ The Engine Compartment as a judging category includes:
  - The upper portion of the engine along with engine-driven accessories such as air conditioning compressors and power steering pumps
  - The portion of the engine's air intake readily accessible to inspection
  - The upper surface of any sheet metal pan which may be installed around the edges of the engine
  - Any radiators present in this compartment
  - The firewall and sidewalls of the compartment, including any components mounted upon them except as listed below
  - The oil filter, oil filler neck and its cap along with the area beneath any access door to the oil filler cap and neck
  - The exposed portions of the upper rear shock absorber mounts in 911s
  - The inside surface of the deck lid over the Engine Compartment, including any devices mounted on it, along with its hinges, struts, latches and weatherstripping
  - Any gutter or depression on the body into which the deck lid or its weatherstripping fit, out to the junction with the exterior surface of the car
  - All hoses along with rubber and plastic items not included in systems named elsewhere in this definition
  - Any electrical components present, including wiring harnesses, fuse blocks and ignition components, except for the battery and other components specifically listed below



# Judges Manual touch points – Engine

- ▶ **The Engine Compartment excludes:**
  - The battery, if physically present within this compartment,
  - The windshield washer reservoir and pump, if physically present within this compartment,
  - The engine oil sump,
  - Any portion of the air intake or manifold system beyond the intake surface of the air filter, or, if no air filter is present, any portion of intake horns, stacks, carburetor barrels or manifold not accessible to manual inspection,
  - Any suspension components which are accessible from the Engine Compartment, along their mounts, except as listed above,
  - Any portion of the transmission accessible from the engine compartment,
  - Except as mentioned above, the interior surfaces of manifolds and plumbing and
  - Any surface at the edge of a metal pan around the engine which is covered by a rubber seal or weatherstripping, along with the surface of the rubber resting against the metal.

# Judges Manual touch points – Engine

## Engine

- ▶ **Engine, engine–driven devices and all belts**
  - Dirt, oil and grease on engine, especially around thermostats, pressure and temperature senders and around fittings for lines and hoses,
  - Grease or dirt in throttle linkage,
  - Dirt around air cleaner housing, in air intake and around fuel injection components,
  - Dirt on fan, alternator, pump and compressor pulleys, including the back surfaces,
  - Dirt on belts,
  - Oil and dirt around cam chain covers
  - Oil and dirt around distributor drive.
- ▶ **Sheet metal, splash pan and radiators as applicable**
  - Dirt on any sheet metal pan around engine,
  - Dirt around any engine sheet metal mounting brackets and
  - Dirt and insects in radiator, intercooler or air conditioner condenser.
- ▶ **Engine compartment walls including firewall and interior side panels and oil filler cap and neck**
  - Dirt on sidewalls and firewall,
  - Condition of any sound insulating pad,
  - Oil on oil filter, oil filler neck and cap and
  - Dirt around fuel filter housing if mounted on sidewall.





# Judges Manual touch points – Engine

- ▶ **Underside of engine compartment lid and its mating surfaces**
  - Dirt underneath deck lid and inside any open lips around the underside edges,
  - Dirt, insects and debris inside any grill in deck lid,
  - Grease and dirt in hinges and gas struts,
  - Grease and dirt on latch pin and in latch mechanism,
  - Dirt and grease in retractable spoiler mechanism (in 911s starting with 964),
  - Dirt in depression around engine compartment into which the deck lid fits
  - Dirt or defects in any weather stripping or rubber trim around edges of compartment or underside of lid.
- ▶ **Rubber and plastic items not included in systems listed in other subareas, all hoses**
  - Judges may look for:
  - Dirt, oil and grease on water, oil, fuel, air, vacuum, refrigerant and hydraulic lines
  - Dirt and grease on any rubber seal around edge of engine compartment.
- ▶ **Wiring and other electrical components, excluding the battery**
  - Dirt and grease on electrical and relay panels and fuse blocks in engine compartment,
  - Dirt and grease on wiring harnesses and ignition wires and
  - Dirt and grease on ignition generator.