



Team Racing Endurance Challenge (TREC)

Official 2021 National Rules

(Rules subject to change)

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(Note: Latest revisions are in **blue** font, and all previous revisions are in **green**)

1. **Introduction**

Tired of red tape and hassle just to go racing on a real track? This is a cool series where you don't need anything other than a car that meets safety specs and a great attitude to make racing fun. NO PREVIOUS RACING EXPERIENCE, NO LICENSE, NO MEDICAL, NO HISTORY TESTS!

Worried about stupid drivers banging into you? We have a program where we treat everyone like an adult and come down hard on those that act like children. We expect everyone to be mature enough to make good decisions so contact is not something that will be tolerated! If your only desire is to finish first, this is not the place for you to race.

2. **Intent**

The intent of the TREC series is to host a fun, safe endurance racing competition. If you're not having fun, you're doing it wrong in this series.

3. **Sanctioning Body**

The NASA TREC series is supported and sanctioned by the National Auto Sport Association (NASA). All competitors must read and abide by the rules **set forth in the current Club Codes and Regulations (CCR)** and any supplementary rules issued by the Race Directors, Regional Directors, or National Series Directors.

4. **Eligible Vehicles Manufacturers/Models/Configurations**

- 4.1. Anything and everything! Run what you bring! Obviously there has to be some safety stuff, so make sure the vehicle complies with the CCR. We don't want Mr. Pro Racer and/or superfast cars. If your car is too fast, we'll just move you to the highest class and subtract 100 laps (or something worse)!
- 4.2. If you bring a tube frame and/or factory built race car, it better fit within the spirit of our series or you can take it home. Cutting Edge, high tech is not welcome... get it?
- 4.3. There should be a session for us to determine your lap times. Call it warm up, qualifying, practice, or your own pity party. Classes will be made by grouping cars; with spankings for those that sandbag. So, you should absolutely put your fastest driver in for this session.
- 4.4. Tires- You can use any street tire (DOT) that says treadwear 180 (or greater) on the sidewall.

As a guide on what you can expect to race against, refer to Appendix B to learn where we expect to class vehicles during our events.

5. **Safety**

- 5.1. NASA, FIA, INEX, SCCA cage / safety rules apply.
- 5.2. If you have a race chassis or tube frame that isn't a NASA Prototype, you're probably going to be deemed "FU." (see later) Legends and Thunder Roadsters are invited in their original trim or with some light mods (e.g. GTR, GTX).

6. **On-Course Conduct**

- 6.1. Any driver screwing around, driving dangerously, causing body contact, or generally being a problem will be immediately introduced to a classroom to learn about the penalty section! (This could include driving too slowly, which is why we recommend everyone attend NASA HPDE training if they believe they may not be up to speed).
- 6.2. **No blocking!** You get ZERO MOVES. That means no defending your line either. If someone is on the inside of the corner, MAKE ROOM! Because of this rule, you'll get them back on the next corner! Think of this as fun and courteous racing. (Note- This is different than the CCR)
- 6.3. If your friends or crew do something stupid you will pay the price. Driver is responsible for all members of the team.
- 6.4. If a race runs past dusk, brake lights, headlights, and taillights are not just a good idea, it's the law! Don't ask when dusk is, we don't know exactly, but the driver will!
- 6.5. Roof-mounted lights, and obnoxious or blinding lights, are not courteous and will be rendered inoperable by one of the cruel dudes known as pit marshals.

7. **Administration**

- 7.1. As per the NASA CCR, all vehicles must display at least one NASA decal on each side and one on the front and one on the rear. No other current sanctioning body decals are permitted.
- 7.2. Lighted or light-reflective numbers are encouraged.
- 7.3. Each team that wants to be scored must have a working AMB/My Laps transponder.
- 7.4. If you mess up your car and want to use another, check with the Race Director.

8. **Licensing Qualification**

- 8.1. No racing license is needed, except for TREC FU.
- 8.2. TREC 1, 2, 3, and 4 only require a valid state driver's license (or, of course, an accepted racing license as outlined below).

Participation in the shameful TREC FU, class requires drivers to hold one of the following NASA Licenses: TREC, Time Trial, Instructor, or Competition. Additionally, SCCA, FIA, JAF, BMWCCA, et al. licenses are cool too. Any team that enters a vehicle classifies in TREC 1-4 but gets moved to TREC-FU will be held to this standard. In other words.....if you plan to screw up and bring a fast Sprint/WERC car, all drivers must be properly licensed.

- 8.3. Once you complete four (4) TREC events (without pulling off some idiotic moves that landed you in trouble) you may apply for a TREC competition license.
- 8.4. Anyone that has driven in five (5) or more endurance races (within the past three years) outside NASA, may apply for a TREC competition license through their local regional office or through NASA National.
- 8.5. Anyone that completes six (6) NASA TREC events while possessing a TREC license, may apply for a NASA provisional competition license (good for NASA sprint racing, Championships, WERC, etc). However, you must be able to pass the HPDE 4 level checkout ride and pass the CCR test as the minimum prerequisite.

9. **Vehicle Modifications**

- 9.1. Do whatever you want. Just remember the 180 treadwear tire rule. And oh yeah, it's not going to be cool if you run NO2 or methanol. So if you're ride is hooked on this stuff get your car through twelve-steps before you show up!
- 9.2. Remember, the faster you go, the higher the class, so keep mods cheap, and keep it fun to maximize your racing per dollar.

10. **Classes**

- 10.1. The official classes are TREC 1, 2, 3, 4. TREC 1 is the fastest scored class. Teams will be classed based on a qualification session to determine which class you will be assigned. (Although, the Race Director can use any system they like in the interest of fun!)

Appendix B gives you a general guideline where your team could compete. This is the class you will register for the event. If all drivers had the same level of skill, cars would be classed as such. However, because this format is to ensure fun, your final race classification will be based on your fastest drivers qualification time. For example, If there is an inexperienced team with a fast car, it might register as TREC 1 but get classed for competition in TREC 4 based on lap times.

For example, classes could be broken up like this:

20 cars or less = 2 classes. Top 10 fastest in TREC 1, slowest 10 in TREC 2.

21 - 30 cars = 3 classes. Cars will be divided among TREC 1, TREC 2, TREC 3.

31+ cars = 4 classes. Cars will be divided among TREC 1, TREC 2, TREC 3, TREC 4.

Alternatively, the Race Director could manually break up all vehicles by time into the classes he/she feels will provide the best racing following your timed session.

It is ultimately up to the Race Director.

- 10.2. Teams that are too fast – YOU KNOW WHO YOU ARE – will be deemed a gamer and put into the “we don’t care class” unofficially called “TREC FU.” The “FU” stands for “*Forgotten & Unscored*.” In fact, any contact while passing will be YOUR fault. FU classed drivers **must** be extra careful picking their passing places carefully. Additionally, you might win the race but you won’t get points or a trophy! Congrats, you now get the street rep of “*Forgotten & Unscored*” because you are so darn fast.
- 10.3. To give you “completive folks” an idea, if you’re turning lap times like a car with more than 10:1 (ST 3 type car) WT/HP, you’re probably going to be put in the FU class. You are welcome to detune before the event.
- 10.4. Sandbagger rule- If your race lap times become faster than your qualification time, the Race Director will likely move you to the next faster class. Or you might be penalized so much that you have no chance to podium. This means you will have to pit for five minutes (or try something in our penalty section) for trying to put one over on us.
- 10.5. The Race Director may consider group/class size, weather during “qualifying,” and any other factors. Any method chosen by the Race Director cannot be questioned, unless there was a mistake in calculations based on stated classing method.

11. **Pits and Flags**

- 11.1. In case of something especially bad, we may use a red flag to stop the race on track. If your vehicle is already in the pitlane or paddock you can continue to wrench, fuel, etc. But you will not be allowed back on track until after the green flag is displayed.
- 11.2. The pits are “closed” during full-course yellows. If a vehicle enters the pit lane during a full course yellow situation, the driver has two options:
 - A) Park in the team’s pit space and do nothing until the green flag is displayed at the starters’ stand. The driver may not exit the vehicle (unless there is an emergency or is instructed to do so by an official). Work of any kind on the vehicle is prohibited.
 - B) Continue through the pit lane and rejoin the field at the discretion of the re-entry marshal based on safe-release conditions.

12. **Fueling, Pitstops, and more serious safety stuff**

Look folks, we can write up a whole bunch of rules, 99% of which is made to limit the “gamers,” and the “pros,” etc. Handling fuel, fueling, and doing pitstops can have elements of danger. So, to keep it simple, DO NOT BE THAT GUY! Work slowly and safely. These are long races and if you want to be careless, we’re just going to drop the hammer on you. This means if you do some stupid stuff, you’re going to get put on the rack...and we don’t mean the kind that holds your car in the air!

- 12.1. Any team that enters the pit lane and stops for fuel will need to remain stationary for a period no less than 5 minutes.

- 12.2. Vehicles with 18 gallons or more of fuel capacity must report to tech before the race begins to verify the fuel tank(s) is/are empty. Once verified empty, 18 gallons can be filled and the fill spout will be sealed for the start of the race.
- 12.3. Fueling has to be performed first before anything else during that stop. **No work** may be done on the car before all the fueling equipment is over the wall and the car's gas cap is securely replaced.
- 12.4. All equipment and crew must be behind the wall (not on top of the wall) until your car comes to a stop in your pitbox.
- 12.5. All fuel must come from a standard 5-gallon can. Do not screw around with this term. If you need help understanding that, refer to Appendix A. However, you can add hoses and funnels; typical stuff you find at the home improvement center.
- 12.6. A catch pan must be used during refuelling to catch any excess fuel that may disperse from the overflow. Catch pans **MUST** be manufactured of metal or sturdy, gas-resistant plastic, minimum of 3" deep. Catch pans should be between 12"- 24" square or diameter.
- 12.7. Anyone touching fuel equipment in the hot pit must be wearing the same personal safety gear as the driver, except the HANS. Nomex lined, outdated helmets are allowed.
- 12.8. During refueling two, properly dressed, fuelers are allowed over the wall while refueling, as well as one fireman holding a fire extinguisher 7' – 10' away. The fireman is not required to wear driver-safety gear. No other personnel over the wall except as listed in the next section.
- 12.9. All competitors are required to keep two gallons of water, at least one 5 lb. or larger BC or ABC rated fire extinguisher (with a gauge indicating fully charged), and at least 5 pounds of oil absorbent in their pit space. CO2 and Halon / Halatron are highly recommended as they do not leave a mess to clean up. Additionally, if Dry Chem or Sodium Bicarbonate is used, there are chemicals such as vinegar that can be kept on hand to remove such chemicals. Sharing of required equipment, such as fire extinguishers, is not permitted between pit spaces, even for the same team.
- 12.10. Driver changes during refueling are permitted. The driver may remain in the car or may exit to change driver. Alternatively, the driver may assist with refueling, but will be counted as one of the two permitted refuelers.
- 12.11. After all of the fueling equipment is back over the cold wall, any number of drivers and crew with a specific duty related to the pitstop may be over the wall in hotpits.
- 12.12. Each team must stop for at least five gallons of fuel within the first hour. However, no team may stop for fuel on the warm up lap or first lap of the race.
- 12.13. Carrying more than thirty-four (34) gallons of fuel at any given time is prohibited.
- 12.14. No team will dump the contents of more than two 5-gallon containers into a single permitted fill point on the car during any stop.

- 12.15. Careless handling of fuel (not just spilling) may bring the “perp walk,” or other penalties including “the sandbox,” and “proficiency challenge.”
- 12.16. Funky, weirdo, crazy, stupid, and/or bizzare fuel equipment, whether inside the car or part of your fuel jugs, storage / handling, will be met with zero tolerance. This event is strictly made for fun. What’s not fun? Getting kicked out for clever attempts to skirt safety rules!

12.17. **Tire changes**

- 12.17.1. Only one tire-changing tool may be used at a time. (impact gun, lug star, etc).
- 12.17.2. Two tires must be in contact with the ground for the purpose of tire changes. (This means you can jack up either side, the front or the rear at a time.)
- 12.17.3. Rotating tires is permitted.
- 12.17.4. Use of air jacks / jacking systems is prohibited.
- 12.17.5. The use of any device during competition other than a manual jack(s) or a manually operated hydraulic jack to raise the vehicle is prohibited.

12.18. **Pitlane safety**

- 12.18.1. Pitlane speed limit is 25 mph.
- 12.18.2. Unless otherwise indicated, the speed limit is in force from the first occupied pit box to the last occupied pit box, unless otherwise marked and specified.
- 12.18.3. Only Officials and authorized media are permitted to stand in the pitlane.
- 12.18.4. Two crewmembers are permitted to remain at the trackside wall for the purpose of signaling their driver. Spectating from the trackside pit wall is prohibited.
- 12.18.5. No one is permitted to be in the hot pit lane or near the trackside wall until after the initial green flag has been displayed and all of the vehicles have passed the first corner.
- 12.18.6. There shall be at least one jack stand under a vehicle if a crewmember(s) is working under the vehicle. The weight of the vehicle need not be on the jack stand.
- 12.18.7. No car is permitted to use reverse gear in the pit lane. However, crew members may push the car backwards.

13. **Penalties**

- 13.1. Penalties are not fun and require event officials to go against the spirit of the event, therefore if a penalty is necessary, you're probably going to get to enjoy one of the several unpleasant experiences below– seriously. We generally educate the offender (perp) and give a warning for first offences. However, if necessary for your safety and others, a penalty could result in you going to “the land of the banned” for many years! No definition needed.
- 13.2. Perp walk– while this can vary per local supps, it's basically a walk of shame whereas the dipstick that screwed up must walk the length of the pitlane and apologize to each team for their transgression, meanwhile their team gets to look at their vehicle sitting with the engine off in their space until the perp returns.
- 13.3. Sent to Your Room– This is a “time out” for a particular driver, whereas he/she/ are barred from getting back in the vehicle for a certain length of time.
- 13.4. Sandbox– When your team has been ordered to park their car for a certain amount of time, they will put it in the sandbox. The sandbox default is middle of hot pit lane, but could be any other designated place.
- 13.5. Proficiency Challenge– A team has been ordered to perform a task(s) such as remove and reinstall all four wheels using a manual lug wrench because they showed lack of sportsmanship, dumb, dangerous, and/or incompetent behavior during a pitstop.
- 13.6. Undergarment Check– public confirmation that the driver is wearing appropriate fire rated undergarment(s)Shirts, socks, etc.
- 13.7. Cavity Search– your vehicle goes to impound for an annual re-inspection during the race. Tech might think it's a good time to re-measure your cage!

Appendix A - Fuel Containers

Approved Containers

NASA approved containers are limited to “5-gallon containers” shown below. These containers might hold slightly more than 5 gallons, as they come from the factory. Note: Modifications to increase the capacity of these cans are prohibited.



LEGAL CONTAINER REGARDLESS OF BRAND



LEGAL CONTAINER REGARDLESS OF BRAND



LEGAL HUNSAKER BRAND ONLY

Note: Any hoses or fittings may be used, but the only modification to the jug permitted is the removal of the top of the outlet to install a hose on the jug outlet.

3. Examples of Illegal Containers



NOT LEGAL CONTAINER REGARDLESS OF BRAND



NOT LEGAL CONTAINER REGARDLESS OF BRAND

Appendix B - TREC Base Classing

NA = Not Allowed

<u>Make</u>	<u>Model</u>	<u>Class</u>	<u>Make</u>	<u>Model</u>	<u>Class</u>
Acura	CL 2.2L	4	Audi	TT (225 hp)('02-'06)(AWD)	3
Acura	CL V6	4	Audi	TT (250 hp)('04-'06)(AWD)	3
Acura	CL-S	4	Audi	TT Quattro 3.2L ('08-'09)(AWD)	2
Acura	CL-S (6 spd)	4	Austin	Mini 1L (<40hp)	4
Acura	Integra 1.6L ('86-'89)	4	Austin	Mini 1L, 1.1L (40 to 47hp)	4
Acura	Integra 1.8L (non-VTEC)	4	Austin	Mini Cooper (55hp)	4
Acura	Integra GS-R	4	Austin	Mini Cooper 1071S	4
Acura	Integra Type-R	3	Austin	Mini Cooper 1275S	4
Acura	NSX 3.0L ('91-'96)	1	BMW	128i Coupe ('08-'09)	3
Acura	NSX	1	BMW	135i Coupe ('08)	2
Acura	RL ('05-'07)	4	BMW	1 M Coupe ('11)(3.0L turbo)	1
Acura	RL (pre'05)	4	BMW	2002 ('68-'74)	4
Acura	RSX	4	BMW	2002 ('75-'76) (2403 lb)	4
Acura	RSX-S	3	BMW	2002tii	4
Acura	TL-S ('02-'03)	4	BMW	318 1.8L (E30)(pre-'92)	4
Acura	TL (pre '04)	4	BMW	318 (E36)('92-'98)(1.8L & 1.9L)	4
Acura	TL ('04-'05)	4	BMW	318 ti ('95-'99)	4
Acura	TL 3.2L ('06-'07)	4	BMW	323 ('98-'00)(2.5L)	4
Acura	TL Type-S 3.5L ('07-'08)	3	BMW	325e (121 hp)	4
Acura	TL 6-spdt MT SH-AWD ('10-'11)	2	BMW	325 (E30)('87-'91)(168hp)	4
Acura	TSX ('04-'07)	4	BMW	325is (E30)('87-'91)(168hp)	4
Alfa Romeo	164 ('91-'93)(FWD) (183 hp)	4	BMW	325ic ('92)(168 hp)	4
Alfa Romeo	1600 Spider	4	BMW	325 ('92-'95)(189 hp)	4
Alfa Romeo	2000 Spider	4	BMW	325 ('01-'06)(2.5L184 hp)	4
Alfa Romeo	2600 Spider	4	BMW	325i ('06)(3.0L 215hp)	4
Alfa Romeo	Milano 2.5L ('87-'89)	4	BMW	328 2.8L ('96-'00)	4
Alfa Romeo	Milano 3.0L ('87-'89)	4	BMW	328 ('07-'08) (3.0L 230 hp)	4
Audi	A3 2.0T (200 hp)('06-'07)	4	BMW	330 ('01-'06)(225hp)	4
Audi	A3 3.2 AWD (250 hp)('06-'07)	4	BMW	330 ('06)(255hp)	3
Audi	A4 1.8T (150 hp)('97-'00)	4	BMW	335 3.0L ('07-'08)	1
Audi	A4 1.8T (150 hp)(AWD)('97-'99)	4	BMW	5 series (<226hp)(RWD)(inc '07)	4
Audi	A4 1.8T (170 hp)	4	BMW	5 series (RWD)('08)	4
Audi	A4 2.0T (197 hp)('05-'07)	4	BMW	540	3
Audi	A4 2.0T AWD (200 hp)('05-'07)	4	BMW	M Coupe/Roadster (240hp)	3
Audi	A4 2.8L (190 hp)	4	BMW	M Coupe (315 hp)	1
Audi	A4 3.0L (220 hp)	4	BMW	M Roadster (315 hp)	1
Audi	A4 3.2L (255 hp)(AWD)('07)	3	BMW	M3 (E30)(pre-'89)	3
Audi	A6 2.7T (AWD)	4	BMW	M3 (E30)('89-'91)	4
Audi	A6 4.2L ('00-'04)(AWD)	4	BMW	M3 (E36)('95-'99)	3
Audi	A6 4.2L ('05-'06)(AWD)	3	BMW	M3 (E46)('01-'06)	1
Audi	A6 4.2L ('07)(AWD)	3	BMW	M3 (E90, E92, E93)('08-'11)	1
Audi	A8 4.2L (AWD)('97-'03)	3	BMW	M5 E28,E34('85-'93)	3
Audi	A8 4.2L (AWD)('03-'06)	3	BMW	M5 E39 ('00-'03)	1
Audi	A8 4.2L (AWD)('07)	3	BMW	M5 E60 ('06-'08)	NA
Audi	A8 6.0L (AWD)('05-'07)	2	BMW	M6	4
Audi	Coupe (110 hp)	4	BMW	M6 ('06-'08)	NA
Audi	Coupe (164 hp)	4	BMW	MINI Clubman S ('08-'10)	4
Audi	RS 4 (4.2L) (AWD)('07)	1	BMW	MINI Cooper ('01-'04)	4
Audi	S4 ('03-'07)(AWD)	2	BMW	MINI Cooper ('05-'10)	4
Audi	S4 (pre '03)(AWD)	3	BMW	MINI Cooper ('11-'12)	4
Audi	S8 ('01-'03)(AWD)	2	BMW	MINI Cooper S ('02-'04)	3
Audi	TT (180 hp)('00-'06)	4	BMW	MINI Cooper S ('05-'10)	3

Make	Model	Class	Make	Model	Class
BMW	MINI Cooper Works ('06-'08)	3	Chevrolet	Corvette '63-'82 (>425 hp)	1 - 4
BMW	MINI Cooper Works ('09-'10)	2	Chevrolet	Corvette '63-'82 (200hp)	1 - 4
BMW	Z3 4-cyl	4	Chevrolet	Corvette C4 ('85-'91)	2
BMW	Z3 6-cyl (2.5L)	4	Chevrolet	Corvette C4 ('92-'96) (LT1)	2
BMW	Z3 6-cyl (2.8L)	4	Chevrolet	Corvette C4 (LT4 option) (330 hp)	1
BMW	Z3 6-cyl (3.0L)	3	Chevrolet	Corvette C5 (inc. FRC w/o Z51)	1
BMW	Z4 2.5L	4	Chevrolet	Corvette C5 (all w/ Z51)	NA
BMW	Z4 3.0L ('03-'05)	3	Chevrolet	Corvette C6 ('05-'07)(Z51 ok)	NA
BMW	Z4 3.0L (215 hp)('06-'08)	4	Chevrolet	Corvette C6 ('08)(LS3)	NA
BMW	Z4 3.0L (255 hp)('06-'08)	3	Chevrolet	Corvette GS ('96)	1
BMW	Z4 M ('06-'08)	1	Chevrolet	Corvette GS ('10+)	NA
BMW	Z4 sDrive30i ('09-'11)	3	Chevrolet	Corvette Z06 ('01-'04)	NA
BMW	Z4 sDrive35i ('09-'11) (turbo)	1	Chevrolet	Corvette Z06 ('06-'08)	NA
BMW	Z4 sDrive35is ('11) (turbo)	1	Chevrolet	Corvette ZR-1	1
BMW	Z8	1	Chevrolet	Cruze 1.4L Turbo ('11)	4
Buick	Gran Sport 455 ('70)	2	Chevrolet	Cruze 1.8L ('11)	4
Cadillac	Catera	4	Chevrolet	HHR SS ('08-10)	3
Cadillac	CTS 2.8L ('05-'07)	4	Chevrolet	Impala SS ('04-'05)	4
Cadillac	CTS 3.6L ('03-'07)	4	Chevrolet	Impala SS ('06-'08)	4
Cadillac	CTS-V ('04-'07)	1	Chevrolet	Impala SS ('94-'96)	4
Cadillac	CTS-V ('09-'11)	NA	Chevrolet	Monte Carlo 3.9L LTZ ('06)	4
Cadillac	CTS-V Sports Wagon ('11)	NA	Chevrolet	Monte Carlo SS 3.8L ('04-'05)	4
Cadillac	STS (4.6 V8) AWD (05)	3	Chevrolet	Monte Carlo SS 5.3L ('06-'07)	3
Cadillac	STS (V6)('05-'07)	4	Chevrolet	Monte Carlo SS (pre '04)	4
Cadillac	STS (V8)('05-'07)	3	Chevrolet	S10 Extreme (180hp)	4
Cadillac	STS-V ('06-'07)	2	Chevrolet	Sonic (1.4L turbo)('12)	4
Cadillac	XLR ('04-'07)	2	Chevrolet	Sonic (1.8L)('12)	4
Cadillac	XLR-V 4.4L V8 ('07)	1	Chrysler	300 (3.5L) ('05-'07)	4
Caterham	Super 7 (240 hp)	NA	Chrysler	300C (5.7L)('05-'07)	3
Chevrolet	Aveo ('04-'07)	4	Chrysler	300C (5.7L) (AWD)('05-'07)	3
Chevrolet	Camaro 3.1L	4	Chrysler	300C SRT8 ('05-'07)	2
Chevrolet	Camaro 3.4L	4	Chrysler	Cirrus 4-cyl	4
Chevrolet	Camaro 3.8L	4	Chrysler	Conquest (turbo)	4
Chevrolet	Camaro 5.0L carb (170 hp)('87)	4	Chrysler	Conquest Tsi (turbo)	4
Chevrolet	Camaro SS ('98-'02)	2	Chrysler	Crossfire (215hp) ('04-'07)	4
Chevrolet	Camaro SS ('96-'97)	3	Chrysler	Crossfire SRT6 ('05-'06)	1
Chevrolet	Camaro SS ('10-11)	1	Chrysler	PT Cruiser	4
Chevrolet	Camaro SS ('12)	1	Chrysler	PT Cruiser GT	4
Chevrolet	Camaro Z28 ('98-'02)	3	Datsun	510 (96 hp)	4
Chevrolet	Camaro Z28 (pre '98)	3	Datsun	510 (L20B swap)	4
Chevrolet	Camaro ZL1 ('12)	NA	Datsun	1600 Roadster ('66-'70)(96hp)	4
Chevrolet	Cavalier	4	DeTomaso	Pantera	2
Chevrolet	Cavalier Z24	4	Diasio	D962R	NA
Chevrolet	Cobalt 2.2L ('05-'08)	4	Dodge	Caliber RT 2.4L AWD ('07-'08)	4
Chevrolet	Cobalt 2.4L ('06-'08)	4	Dodge	Caliber SRT4 2.4L Turbo ('07-'08)	2
Chevrolet	Cobalt SS 2.0L (S/C)('05-'07)	4	Dodge	Challenger R/T ('09-'10)	2
Chevrolet	Cobalt SS (turbo)('08)	2	Dodge	Challenger SRT8 ('08-'10)	2
Chevrolet	Corvair (140hp)	4	Dodge	Charger 3.5L ('06-'07)	4
Chevrolet	Corvair (95,100hp)	4	Dodge	Charger 5.7L ('06-'07)	3
Chevrolet	Corvair Corsa Turbo	4	Dodge	Charger SRT8 ('06-'07)	2
Chevrolet	Corvair Monza GT Spyder	4	Dodge	Magnum RT	4
Chevrolet	Corvette '63-'82 (>200, <330 hp)	1 - 4	Dodge	Magnum RT AWD	3
Chevrolet	Corvette '63-'82 (>330, <425 hp)	1 - 4	Dodge	Magnum SRT8	2

Make	Model	Class	Make	Model	Class
Dodge	Neon DOHC Coupe	4	Ferrari	Testarossa	NA
Dodge	Neon DOHC Sedan	4	Fiat	124 Spider 1400	4
Dodge	Neon SOHC Coupe	4	Fiat	124 Spider 1600	4
Dodge	Neon SOHC Sedan (1st gen)	4	Fiat	124 Spider 1800	4
Dodge	Neon SOHC Sedan (2nd gen)	4	Fiat	124 Sport Spider 2000	4
Dodge	Neon SRT4 ('03-05)	4	Fiat	128 (55-60 hp)	4
Dodge	Neon SRT4 ACR	3	Fiat	500 ('12)(USA)	4
Dodge	Shelby Charger (110hp)	4	Fiat	X1-9 1.3L	4
Dodge	Shelby Charger (146hp)	4	Fiat	X1-9 1.5L	4
Dodge	Shelby Charger GLHS (turbo)	4	Fiat	X1-9 2000	1
Dodge	Shelby Lancer	4	Ford	Contour SVT	4
Dodge	Shelby Omni GLH (146 hp)	4	Ford	Escort 1.9L	4
Dodge	Shelby Omni GLHS	4	Ford	Escort 2.0L	4
Dodge	Stealth (DOHC)	4	Ford	Escort GT (1.8L)	4
Dodge	Stealth (SOHC)	4	Ford	Escort ZX2	4
Dodge	Stealth Turbo ('91-'93)(AWD)	3	Ford	Escort ZX2 S/R	4
Dodge	Stealth Turbo ('94-'96)(AWD)	2	Ford	EXP 1.6L ('82-'85)	4
Dodge	Stratus 4-cyl	4	Ford	F150 SVT Lightning	4
Dodge	Stratus RT	4	Ford	Festiva	4
Dodge	Viper	NA	Ford	Focus (2.0L 16v) ('05-'08)	4
Dodge	Viper ACR	NA	Ford	Focus (2.0L 16v)('00-'04)	4
Eagle	Talon 2.0L (135-140hp)	NA	Ford	Focus (2.0L 8v)('00-'02)	4
Eagle	Talon Turbo ('90-'94)	4	Ford	Focus (2.3L 16v)('04)	4
Eagle	Talon Turbo ('95-'98)	4	Ford	Focus ST 2.3L 16v ('07)	4
Eagle	Talon Turbo AWD ('90-'94)	4	Ford	Focus SVT (2.0L)('02-'04)	4
Eagle	Talon Turbo AWD ('95-'98)	4	Ford	Focus ZX4 ST (2.3L)('05-'06)	4
Elan	NP01 (NASA Prototype)	1	Ford	GT	NA
Ferrari	308	3	Ford	Mustang Boss 302 ('12)	NA
Ferrari	328	1	Ford	Mustang Cobra ('93)	4
Ferrari	355	NA	Ford	Mustang Cobra ('94-'95)	4
Ferrari	360	NA	Ford	Mustang Cobra ('96-'98)	2
Ferrari	430	NA	Ford	Mustang Cobra ('99 & '01)	2
Ferrari	550	NA	Ford	Mustang Cobra R ('00)	1
Ferrari	612	NA	Ford	Mustang Cobra R ('93)	3
Ferrari	348 (<305 hp)	2	Ford	Mustang Cobra R ('95)	2
Ferrari	348 (320 hp)	1	Ford	Mustang Cobra SVT ('02+)	1
Ferrari	360 Challenge	NA	Ford	Mustang GT ('05-'06)	2
Ferrari	456GT	NA	Ford	Mustang GT ('07-'08)	2
Ferrari	575M	NA	Ford	Mustang GT ('10)	2
Ferrari	Enzo	NA	Ford	Mustang GT ('11)	1
Ferrari	F430	NA	Ford	Mustang I4	4
Ferrari	Superamerica	NA	Ford	Mustang I4 turbo	4

Make	Model	Class	Make	Model	Class
Ford	Mustang I6	4	Honda	Civic EX 1.6L ('92-'95)	4
Ford	Mustang Mach 1	2	Honda	Civic EX 1.6L ('96-'00)	4
Ford	Mustang SVO ('84-'86)	4	Honda	Civic EX 1.7L ('01-'05)	4
Ford	Mustang V6 (pre-'99)	4	Honda	Civic Non-VTEC (92hp)	4
Ford	Mustang V6 ('99-'04)	4	Honda	Civic Si 1.6L ('92-'95)	4
Ford	Mustang V6 ('05-'09)	4	Honda	Civic Si 1.6L ('99-'00)	4
Ford	Mustang V6 ('10)	4	Honda	Civic Si 2.0L ('01-'05)	4
Ford	Mustang V6 ('11)	2	Honda	Civic Si 2.0L ('06-'12)	3
Ford	Mustang V8 ('64-'68 <272 hp)	4	Honda	Civic Type R ('07) (JDM)(225 hp)	2
Ford	Mustang V8 ('69-'70 <291 hp)	4	Honda	Civic VX	4
Ford	Mustang V8 ('71-'73 <286 hp)	4	Honda	CRX DX 1.5L 16v ('88-'91)	4
Ford	Mustang V8 ('79-'86 <226 hp)	4	Honda	CRX DX 12v ('85-'87)	4
Ford	Mustang V8 LX ('87-'93 <226 hp)	4	Honda	CRX HF	4
Ford	Mustang V8 GT ('87-'93 <226 hp)	4	Honda	CRX Si 1.5L ('85-'87)	4
Ford	Mustang V8 ('94-'98 <226 hp)	4	Honda	CRX Si ('88-'91)	4
Ford	Mustang V8 ('99-'04)	3	Honda	CRX 1.6L DOHC VTEC	4
Ford	Pinto 1.6L	4	Honda	CR-Z (1.5L Hybrid)('11)	4
Ford	Pinto 2.0L ('71-'74)	4	Honda	Fit ('07-'19)	4
Ford	Pinto 2.3L	4	Honda	Prelude S ('92-'96)	4
Ford	Pinto 2.8L	4	Honda	Prelude Si ('92-'96)	4
Ford	Probe GT	4	Honda	Prelude Si (pre-'92)	4
Ford	Probe Turbo	4	Honda	Prelude VTEC ('93-'01)	4
Ford	Sierra Cosworth 2.0L T (204 hp)	3	Honda	S2000 (2.0L)('00-'03)	2
Ford	Sierra Cosworth AWD (220 hp)	3	Honda	S2000 (2.2L)('04-'08)	2
Ford	Shelby GT500 5.4L S/C ('07-'09)	NA	Honda	S2000 CR (2.2L)('08)	1
Ford	Shelby GT500 5.4L S/C ('10-'11)	NA	Hyundai	Accent 1.5L (105hp)	4
Ford	Taurus GL	4	Hyundai	Accent 1.6L ('01-'08)	4
Ford	Taurus SHO	4	Hyundai	Elantra 1.6L	4
Ford	Thunderbird Super Coupe/Turbo	4	Hyundai	Elantra 1.8L	4
Ford	Thunderbird V6 (pre-'02)	4	Hyundai	Elantra 2.0L ('00-'08)	4
Ford	Thunderbird V8 ('02)	4	Hyundai	Genesis 3.8L ('09-'10)	4
Ford	Thunderbird V8 ('03+)	4	Hyundai	Genesis 4.6L ('09-'10)	2
Ford	Thunderbird V8 ('90-'97)	4	Hyundai	Genesis Coupe 2.0L Turbo ('10)	3
Geo	Metro 1.0L	4	Hyundai	Genesis Coupe 2.0L T Track ('10)	2
Geo	Metro 1.3L	4	Hyundai	Genesis Cp 3.8 V6 Track ('10-'12)	1
Geo	Prizm	4	Hyundai	Tiburon 2.0L ('03-'07)	4
Geo	Storm	4	Hyundai	Tiburon 2.0L ('97-'01)	4
Geo	Storm GSI	4	Hyundai	Tiburon V6 2.7L ('03-'07)	4
Honda	Accord 2.0L (120hp)	4	Hyundai	Tiburon V6 GT LTD 2.7L ('06-'08)	4
Honda	Accord 2.2L ('90-'97)(130hp)	4	Infiniti	G20 ('93-'02)	4
Honda	Accord 2.3L	4	Infiniti	G20 ('91-'92)	4
Honda	Accord 2.4L ('03-'07)	4	Infiniti	G35 (incl. 6MT) (pre-'05)	3
Honda	Accord 2.7 V6 ('95-'97)	4	Infiniti	G35 (incl. 6MT)('05-'06)	3
Honda	Accord 3.0 V6 ('03-'07)	4	Infiniti	G35 Coupe 6MT ('07)	3
Honda	Accord 3.0 V6 ('98-'02)	4	Infiniti	G35 (306 hp)(incl. Sport)('07-'08)	3
Honda	Civic 1.6L SOHC ('88-'91)	4	Infiniti	G35x (AWD)('07-'08)	2
Honda	Civic Base ('88-'91)	4	Infiniti	G37 (7 sp auto)('09-'11)	1
Honda	Civic Coupe 1.8L ('06-'08)	4	Infiniti	I30 ('00-'01)	4
Honda	Civic CX ('92-'95)	4	Infiniti	I30 ('96-'99)	4
Honda	Civic del Sol S (<107hp)	4	Infiniti	I35	4
Honda	Civic del Sol Si (<128hp)	4	Infiniti	Q45 ('02-'07)	4
Honda	Civic del Sol VTEC (DOHC 1.6L)	4	Infiniti	Q45 (pre-'02)	4
Honda	Civic DX 1.5L 16v ('88-'91)	4	Jaguar	S-Type 3.0L (235 hp)	4

Make	Model	Class	Make	Model	Class
Jaguar	S-Type 4.0L, 4.2L	3	Mazda	Mazda6 2.3L ('07-'08)	4
Jaguar	S-Type R 4.2L S/C ('03-'04)	2	Mazda	Mazda6 3.0L (V6) ('03-'05)	4
Jaguar	S-Type R 4.2L S/C ('05-'07)	2	Mazda	Mazda6 3.0L (V6) ('06-'08)	4
Jaguar	XJ Vanden Plas (<301 hp)	4	Mazda	Mazdaspeed Protégé (Turbo)	4
Jaguar	XJ8 3.5L	4	Mazda	Mazdaspeed3 (turbo)('07-'09)	3
Jaguar	XJ8 4.2L	3	Mazda	Mazdaspeed3 (turbo)('10)	3
Jaguar	XJ8 S/C ('00-'07)	2	Mazda	Mazdaspeed6 (AWD)('06-'07)	3
Jaguar	XJR ('98-'07)	2	Mazda	Miata 1.6L	4
Jaguar	XJS ('88-'91)	4	Mazda	Miata 1.8L ('94-'97)	4
Jaguar	XKR-SC ('00-'06)	2	Mazda	Miata 1.8L ('99-'05)	4
Jaguar	XKR-SC ('07)	1	Mazda	Miata MX-5 ('06-'11)	4
Jaguar	XKE	3	Mazda	Miata MX-5 turbo ('04-'05)	4
Jaguar	X-Type ('02-'07) AWD	4	Mazda	MX-3	4
Jen.-Healey	2.0L ('73-'76)	4	Mazda	MX-3 GS	4
Kia	Rio	4	Mazda	MX-6 (2.2L)(110hp)	4
Kia	Sephia	4	Mazda	MX-6 GT (turbo)	4
Kia	Spectra	4	Mazda	MX-6 V6 ('92-'97)	4
Lamborghini	Diablo VT	NA	Mazda	Protégé 1.6L	4
Lexus	GS300 ('06)	4	Mazda	Protégé 1.8L	4
Lexus	GS300 ('93-'05)	4	Mazda	Protégé 2.0L	4
Lexus	GS350 ('07-'08)	3	Mazda	Protégé 5	4
Lexus	GS400	3	Mazda	Protégé MP3	4
Lexus	GS430 ('01-'07)	3	Mazda	RX-3 ('72-'78) (12A)	4
Lexus	GS460 ('08)	3	Mazda	RX-7 12A	4
Lexus	IS250 ('06-'08)(6sp man.)	4	Mazda	RX-7 13B	4
Lexus	IS250 (AWD)('06-'08)	4	Mazda	RX-7 13B GSL-SE (1st Gen)	4
Lexus	IS F ('08-'09)	1	Mazda	RX-7 TT	1
Lexus	IS300	4	Mazda	RX-7 Turbo II	3
Lexus	LS400	4	Mazda	RX-8 ('04-'08)	3
Lexus	LS430	4	Mazda	RX-8 ('09-'11)	3
Lexus	LS460 ('07-'08)	3	Mazda	RX-8 R3 ('09-'11)	2
Lexus	SC300	4	Mazda	RX-8 (197 hp)(Auto)('04-'05)	4
Lexus	SC400	4	Mazda	RX-8 (212 hp)(Auto)('06-'07)	4
Lexus	SC430 ('02-'08)	4	Mercedes	190E 2.3 (16v)	4
Lincoln	LS (V8) ('03-'06)	4	Mercedes	190E 2.6L ('86-'93)	4
Lotus	Elan M100 ('91-'92)(turbo)	3	Mercedes	C230 ('02-'05)	4
Lotus	Elise ('05-'07)	1	Mercedes	C230 ('06-'07)	4
Lotus	Esprit (V8) TT	NA	Mercedes	C280 ('94-'00)	4
Lotus	Esprit 4 Turbo	1	Mercedes	C280 ('06-'07)	4
Lotus	Exige ('06)	1	Mercedes	C300 ('08)	4
Lotus	Exige S ('07)	NA	Mercedes	C32 AMG ('02-'04)	2
Lotus	Exige 240R, S240, S260	NA	Mercedes	C320 ('01-'05)	4
Mazda	323 (pre'95--82hp)	4	Mercedes	C43 AMG ('98-'00)	2
Mazda	323 GTX (1.6L T)	4	Mercedes	C55 AMG ('05-'06)	1
Mazda	626 2.0L	4	Mercedes	CL55 AMG (5.4L)('01-'02)	2
Mazda	626 2.5L V6	4	Mercedes	CL65 AMG ('06)	NA
Mazda	Mazda2 ('11)	4	Mercedes	CLK55 AMG ('04-'06)	2
Mazda	Mazda3 (2.0L)('04-'06)	4	Mercedes	CLK430 ('99-'01)	3
Mazda	Mazda3 (2.0L)('07-'10)	4	Mercedes	CLK430 ('02-'03)	3
Mazda	Mazda3 (2.3L)('04-'06)	4	Mercedes	CLK500 ('03-'06)	3
Mazda	Mazda3 (2.3L)('07-'09)	4	Mercedes	CLK550 ('07)	2
Mazda	Mazda3 (2.5L)('10)	4	Mercedes	CLK63 AMG ('07)	NA
Mazda	Mazda6 2.3L ('03-'06)	4	Mercedes	E55 AMG ('03-'06)	1

Make	Model	Class	Make	Model	Class
Mercedes	E55 AMG ('99-'02)	2	Mitsubishi	Starion ESI-R (turbo)	4
Mercedes	E63 AMG ('07)	NA	Nissan	200SX 1.6L	4
Mercedes	SL55 AMG ('03-'06)	1	Nissan	200SX 2.0L ('80-'81)	4
Mercedes	SL55 AMG ('07)	1	Nissan	200SX 2.0L Turbo	4
Mercedes	SL65 AMG ('07)	NA	Nissan	200SX SE-R (2.0L)	4
Mercedes	SLK 320 ('01-'04)	4	Nissan	240SX	4
Mercedes	SLK32 AMG ('02-'04)	1	Nissan	240SX (S14 220hp swap)	3
Mercedes	SLK 350 ('05-'08)	2	Nissan	240SX HICAS	4
Mercedes	SLK55 AMG ('05-'07)	1	Nissan	240SX SOHC ('89-'90) (140hp)	4
Mercury	Capri 1.6L (75hp)	4	Nissan	240Z	4
Mercury	Capri 2.0L ('71) (100hp)	4	Nissan	260Z	4
Mercury	Capri 2.0L ('72-'74)	4	Nissan	280Z	4
Mercury	Capri 2.3L ('76-'77)	4	Nissan	280ZX	4
Mercury	Capri 2.6L, 2.8L ('72-'74)	4	Nissan	280ZX Turbo	4
Mercury	Capri 2.8L ('76-'77)	4	Nissan	300ZX all (Z31--'84-'88) NA	4
Mercury	Cougar 2.5L V6	4	Nissan	300ZX Turbo (Z31--'84-'89)	4
Mercury	Marauder	4	Nissan	300ZX NA (Z32) 2+2	4
Merkur	XR4Ti	4	Nissan	300ZX NA (Z32--'89-'96)	4
MG	Midget 1.1L, 1.3L, 1.5L	4	Nissan	300ZX TT	2
Mitsubishi	3000 VR-4 ('91-'93)(AWD)	3	Nissan	350Z (287hp)('03-'05)(enth. ok)	2
Mitsubishi	3000 VR-4 ('94-'99)(AWD)	2	Nissan	350Z (300hp)('06)(enth. ok)	2
Mitsubishi	3000GT (NA-DOHC)	4	Nissan	350Z (306hp)('07-'08)(enth. ok)	2
Mitsubishi	3000GT (NA-SOHC)	4	Nissan	350Z Nismo ('07-'08)	1
Mitsubishi	Eclipse 2.4L (pre-'06)	4	Nissan	350Z Roadster ('06)	3
Mitsubishi	Eclipse 2.4L ('06-'08)	4	Nissan	350Z Track ('05-'06),35ann, GT	2
Mitsubishi	Eclipse GT 3.8L ('06-'08)	4	Nissan	350Z Track Model ('03-'04)	2
Mitsubishi	Eclipse GT 3.0L ('00-'05)	4	Nissan	370Z ('09)(6 sp. manual)	1
Mitsubishi	Eclipse Turbo ('90-'94)	4	Nissan	370Z Sport Model ('09)	1
Mitsubishi	Eclipse Turbo ('95-'98)	4	Nissan	370Z Nismo ('09)	1
Mitsubishi	Eclipse Turbo ('99)	4	Nissan	Altima 2.4L	4
Mitsubishi	Eclipse Turbo AWD ('92-'94)	4	Nissan	Altima 2.5L ('02-'09)	4
Mitsubishi	Eclipse Turbo AWD ('95-'98)	4	Nissan	Altima 3.5L ('02-'06)	4
Mitsubishi	Eclipse Turbo AWD ('99)	4	Nissan	Altima 3.5L ('07-'08)	3
Mitsubishi	Galant 2.4L ('94-'03)	4	Nissan	Altima 3.5L SE-R ('05-'06)	3
Mitsubishi	Galant 2.4L ('04-'07)	4	Nissan	GT-R ('09+)	NA
Mitsubishi	Galant 3.0L V6 (195hp)	4	Nissan	Maxima 3.5L ('02-'03)	4
Mitsubishi	Galant 3.8L (230 hp)('02-'07)	4	Nissan	Maxima 3.5L ('04-'06)	4
Mitsubishi	Galant 3.8L Ralliart ('07)	4	Nissan	Maxima 3.5L ('07-'08)	4
Mitsubishi	Galant VR4 (AWD) ('91-'92)	4	Nissan	NX2000	4
Mitsubishi	Lancer 2.0L ('02-'07)	4	Nissan	Pickup ('90-'97)(2WD)	4
Mitsubishi	Lancer 2.0L DE, SE ('08)	4	Nissan	Pulsar NX 1.8L	4
Mitsubishi	Lancer 2.4L ('04-'07)	4	Nissan	Sentra 1.6L ('87-'88)(8v)(69hp)	4
Mitsubishi	Lancer Evo VIII ('03-'05)(AWD)	1	Nissan	Sentra 1.6L (16v)	4
Mitsubishi	Lancer Evo VIII MR ('05)(AWD)	1	Nissan	Sentra 1.8L ('00-'06)	4
Mitsubishi	Lancer Evo IX ('06)(AWD)	1	Nissan	Sentra 2.0L ('07-'08)	4
Mitsubishi	Lancer Evo MR ('06)(AWD)	1	Nissan	Sentra SE ('98-'01)	4
Mitsubishi	Lancer Evo RS ('06)(AWD)	1	Nissan	Sentra SE-R 2.0L ('91-'94)	4
Mitsubishi	Lancer Evo X GSR ('08)(AWD)	1	Nissan	Sentra SE-R 2.5L ('02-'06)	4
Mitsubishi	Lancer Evo X MR ('08)(AWD)	1	Nissan	Sentra SE-R 2.5L ('07-'08)	4
Mitsubishi	Lancer Ralliart ('09)	2	Nissan	Sentra Spec V ('02-'06)	4
Mitsubishi	Mirage	4	Nissan	Sentra Spec V ('07-'08)	4
Mitsubishi	Mirage 1.8L	4	Noble	M12 GTO-3R (352 hp 3.0L V6)	NA
Mitsubishi	Starion (turbo)	4	Noble	M400 (425 hp 3.0L V6)	NA

Make	Model	Class	Make	Model	Class
Oldsmobile	Cutlass Calais 2.3L Int. (150hp)	4	Porsche	924S ('87)	4
Oldsmobile	Cutlass Calais 2.3L Int. (180hp)	4	Porsche	924S ('88)	4
Oldsmobile	Cutlass Calais 2.3L Quad442	4	Porsche	924 Turbo	4
Oldsmobile	Cutlass Calais Quad442 W41	4	Porsche	928 ('78-'82)(4.5L)	3
Opel	GT 1100	4	Porsche	944 ('83-'87)	4
Opel	GT1900	4	Porsche	944 2.5L ('88)	4
Opel	Manta	4	Porsche	944 2.7L ('89)(162 hp)	4
Peugeot	505 Turbo 2.2L ('86-'88)(150hp)	4	Porsche	944 S	4
Peugeot	505 Turbo 2.2L ('88-'89)(180hp)	4	Porsche	944 S2	3
Plymouth	Laser Turbo ('90-'94)	4	Porsche	944 Turbo ('86-'88)	3
Plymouth	Laser Turbo AWD ('92-'94)	4	Porsche	944 Turbo S ('88-'89)	2
Plymouth	Prowler	3	Porsche	959	NA
Pontiac	Fiero (4-cyl)	4	Porsche	964 Carrera 2	2
Pontiac	Fiero (V6)	4	Porsche	964 Carrera 4 (AWD)	2
Pontiac	Firebird 3.4L (V6)	4	Porsche	964 RS	1
Pontiac	Firebird 3.8L	4	Porsche	964 RS America	2
Pontiac	Firebird Firehawk	2	Porsche	965 3.3L (Turbo II--'90-'92)	1
Pontiac	Firebird WS6	2	Porsche	965 3.6L (Turbo II--'93-'94)	1
Pontiac	Formula ('98-'02)	3	Porsche	968	3
Pontiac	Formula (pre-'98)	3	Porsche	968 Turbo S	1
Pontiac	Formula '87 (5.0L, 215hp)	4	Porsche	993 C2 ('94-'95)	2
Pontiac	Grand AM 2.3L (170,180hp)	4	Porsche	993 C2 ('96-'99)	1
Pontiac	Grand Am 3.4L (V6)	4	Porsche	993 C2S	1
Pontiac	Grand Prix GT 3.8L ('98-'04)	4	Porsche	993 C4 (AWD)	1
Pontiac	Grand Prix GT 3.8L ('05-'06)	4	Porsche	993 C4S (AWD)	1
Pontiac	Grand Prix GTP ('99-'03)	4	Porsche	993 Cup	NA
Pontiac	Grand Prix GTP ('04-'06)	4	Porsche	993 RS 3.8L	1
Pontiac	Grand Prix GXP ('05-'08)	3	Porsche	993 Turbo (AWD)	NA
Pontiac	Grand Prix SE 3.1L	4	Porsche	993 Turbo S (AWD)	NA
Pontiac	GTO ('04)	3	Porsche	996 C2 (3.4L) ('99-'01)	1
Pontiac	GTO ('05-'06)	2	Porsche	996 C2 (3.6L)('02-'04)	1
Pontiac	Solstice ('06-'08)	4	Porsche	996 C4 (3.4L)	1
Pontiac	Solstice GXP (turbo)('07-'08)	2	Porsche	996 C4 (3.6L)	1
Pontiac	Trans Am ('98-'02)	3	Porsche	996 C4S (3.6L)	1
Pontiac	Trans Am (pre-'98)	3	Porsche	996 GT2	NA
Pontiac	Trans Am Turbo V6	3	Porsche	996 GT3	NA
Pontiac	Vibe 1.8L ('03-'07)	4	Porsche	996 Cup	NA
Pontiac	Vibe GT ('04-'06)	4	Porsche	996 Turbo	NA
Pontiac	Vibe GT ('03)	4	Porsche	996 Turbo S	NA
Porsche	911 ('63-'69)	4	Porsche	997 C4 ('06-'07)	NA
Porsche	911 ('70-'73)	4	Porsche	997 C4S ('06-'07)	NA
Porsche	911 ('73-'77)	4	Porsche	997 Carrera ('05-'07)	1
Porsche	911 ('78-'83)	3	Porsche	997 Club Coupe	NA
Porsche	911 ('84-'89)	3	Porsche	997 CS ('05-'07)	NA
Porsche	911 Carrera ('73-'77)	3	Porsche	997 GT3 ('07)	NA
Porsche	911 Turbo 3.0L ('74-'77)	1	Porsche	997 GT3 Cup	NA
Porsche	911 Turbo 3.3L ('77-'89)	1	Porsche	997 Turbo AWD ('07)	NA
Porsche	911S ('67-'69)	3	Porsche	Boxster ('97-'99)	4
Porsche	911S ('70-'73)	3	Porsche	Boxster ('00-'02)	3
Porsche	912	4	Porsche	Boxster ('02-'04)	3
Porsche	914-4	4	Porsche	Boxster ('05-'06)	3
Porsche	914-6	4	Porsche	Boxster ('07-'08)	2
Porsche	924	4	Porsche	Boxster ('09-'10)	2

Make	Model	Class	Make	Model	Class
Porsche	Boxster S ('05-'06)	2	Subaru	Outback 3.0 ('05-'07)(AWD)	4
Porsche	Boxster S ('00-'02)	2	Subaru	Outback XT ('05-'06)(AWD)	4
Porsche	Boxster S ('03-'04)	2	Subaru	Outback XT ('07)(AWD)	4
Porsche	Boxster S ('07-'08)	1	Subaru	SVX (AWD)	4
Porsche	Boxster S ('09-'10)	1	Subaru	WRX 2.0L ('02-'05) (AWD)	3
Porsche	Boxster Spyder ('11)	1	Subaru	WRX 2.5L ('06-'08)(AWD)	3
Porsche	Carrera GT	NA	Subaru	WRX 2.5L ('09-'12)(AWD)	2
Porsche	Cayenne S ('03-'06)(AWD)	4	Subaru	WRX STi ('04-'07)(AWD)	1
Porsche	Cayenne Turbo ('08)(AWD)	2	Subaru	WRX STI ('08-'12)(AWD)	1
Porsche	Cayman 2.7L ('07-'08)	2	Subaru	XT	4
Porsche	Cayman S 3.4L ('06-'08)	1	Subaru	XT6 (AWD)	4
Renault	Alliance 1.4L (60hp)	4	Sunbeam	Tiger	4
Renault	Alliance 1.7L (85hp)	4	Suzuki	Swift ('94-'01)	4
Renault	Alliance 2.0L GTA (95hp)	4	Suzuki	Swift 1.3L GT ('89-'94)	4
Rosion	Q1	NA	Suzuki	SX4 Sport ('08-'09)	4
Saab	900 Turbo SPG ('85-'89)	4	Suzuki	SX4 Sport ('10)	4
Saab	900 Turbo SPG ('90-'91)	4	Toyota	Camry 2.4L ('02-'06)	4
Saab	9000 Aero 2.3L Turbo ('93-'97)	4	Toyota	Camry 2.4L ('07-'08)	4
Saab	9-2X Aero ('05)(AWD)	3	Toyota	Camry 3.0L (V6)(97-'01)	4
Saab	9-2X Aero ('06)(AWD)	3	Toyota	Camry 3.0L (V6)(03-'05)	4
Saab	9-2X Linear ('05-'06)(AWD)	4	Toyota	Camry 3.3L (V6)(04-'05)	4
Saab	9-3 Aero 2.0T & 2.0T ('04-'07)	4	Toyota	Camry 3.3L (V6)(06)	4
Saab	9-3 Aero 2.8L ('06-'07)	3	Toyota	Camry 3.5L (V6)(07-'08)	4
Saab	9-3 Viggen ('99-'02)	4	Toyota	Celica AllTrac ('88-'89)	4
Saab	9-5 2.3T	4	Toyota	Celica AllTrac ('90-'93)	4
Saab	9-5 Aero 2.3T & 2.3T ('02-'06)	4	Toyota	Celica GT ('00-'05)	4
Saab	99 EMS ('72-'76)(2.0L)	4	Toyota	Celica GT ('77-'82)	4
Saturn	Ion ('03-'04)	4	Toyota	Celica GT ('83-'86)	4
Saturn	Ion ('05-'07)	4	Toyota	Celica GT ('87-'89)	4
Saturn	Ion Redline ('04-'07)	4	Toyota	Celica GT ('90-'99)	4
Saturn	Sky ('07-'08)	4	Toyota	Celica GT-S ('00-'05)	4
Saturn	Sky Redline ('07-'08)	2	Toyota	Celica GT-S ('83-'85)	4
Saturn	S-Series (DOHC) ('91-'02)	4	Toyota	Celica GT-S ('86-'93)	4
Saturn	S-Series (SOHC) ('91-'02)	4	Toyota	Celica ST ('90-'93)	4
Scion	iC ('05-'10)	4	Toyota	Celica Supra (1st gen)	4
Scion	iC ('11)	4	Toyota	Corolla 1.8L ('03-'07)	4
Scion	xA ('04-'06)	4	Toyota	Corolla FX-16 GT-S	4
Scion	xB ('04-'06)	4	Toyota	Corolla GT-S 1.6L 16v ('84-'87)	4
Subaru	Forester XT ('04-'05) (AWD)	4	Toyota	Corolla GT-S 1.6L 16v ('88-'89)	4
Subaru	Forester XT ('06-'07) (AWD)	4	Toyota	Corolla SR5 ('79-'83)(3TC)	4
Subaru	Impreza 1.8L (AWD)	4	Toyota	Corolla XRS	4
Subaru	Impreza 1.8L (FWD)	4	Toyota	Echo	4
Subaru	Impreza 2.2L (AWD)	4	Toyota	Matrix ('03-'07)	4
Subaru	Impreza 2.5L ('98-'01)(AWD)	4	Toyota	Matrix XRS (180 hp)(03-'04)	4
Subaru	Impreza 2.5L ('02-'05)(AWD)	4	Toyota	Matrix XRS ('05-'06)	4
Subaru	Impreza 2.5L ('06-'08)(AWD)	4	Toyota	MR Spyder	4
Subaru	Legacy 2.2L ('90-'94)(AWD)	4	Toyota	MR2 (1st Gen NA)	4
Subaru	Legacy 2.2L ('95-'99)(AWD)	4	Toyota	MR2 2.2L DOHC	4
Subaru	Legacy 2.2L T AWD ('91-'94)	4	Toyota	MR2 SC	4
Subaru	Legacy 2.5L ('00-'08)(AWD)	4	Toyota	MR2 Turbo	3
Subaru	Legacy GT ('05-'08)(AWD)(Turb)	3	Toyota	Paseo	4
Subaru	Legacy 3.0 AWD ('08)	4	Toyota	Prius	4
Subaru	Outback 3.0 ('01-'04)(AWD)	4	Toyota	Solara 3.3L ('04-'06)	4

Make	Model	Class	Make	Model	Class
Toyota	Solara 3.3L ('07-'08)	4	VW	Golf 1.9L TDI ('99-'03)	4
Toyota	Supra NA ('88-'92)	4	VW	Golf 1.9L TDI ('04-'06)	4
Toyota	Supra NA ('94-'98)	4	VW	Golf 2.0L TDI ('10)	4
Toyota	Supra T	4	VW	Golf 2.0L, 1.4L & 1.6L DOHC	4
Toyota	Supra TT	1	VW	Golf 2.0L ('99-'06)	4
Toyota	Tacoma X-Runner ('05-'10)	4	VW	Golf 2.5L V5	4
Toyota	Tercel ('88-'90) (78hp)	4	VW	Golf 2.8L V6	4
Toyota	Yaris ('07)	4	VW	Golf 2.8L VR6	4
Triumph	GT6 MK I	4	VW	Golf R32 (AWD)('04)	3
Triumph	GT6 MK III	4	VW	Golf R32 (AWD)('08)	4
Triumph	Spitfire MK 2 (75hp, 1147cc)	4	VW	GTI 1.8L 8v ('85-'92)	4
Triumph	TR4 ('61-'64)	4	VW	GTI 1.8L DOHC	4
Triumph	TR6 ('69-'76)(2.5L S6 US Carb)	4	VW	GTI 1.8L turbo (150 hp)	4
Triumph	TR6 ('69-'76)(2.5L S6 Fuel Inj)	3	VW	GTI 1.8L turbo (180hp)	4
Volvo	242 (2.3L) ('83-'85)	4	VW	GTI 2.0L 8v ('95-'98)	4
Volvo	242 GLT ('81-'85)(turbo)	4	VW	GTI 2.0L 8v ('99-'00)	4
Volvo	850 2.4L n.a. ('93-'97)	4	VW	GTI 2.0L DOHC (134 hp)	4
Volvo	850 T-5R ('95), R ('96-'97)	4	VW	GTI 2.0L Turbo ('06-'09)(200hp)	4
Volvo	C30 T5 2.5L turbo ('08)	3	VW	GTI 2.0L Turbo ('10-'11)(200hp)	4
Volvo	C70 T5 2.3 T Coupe ('01-'02)	4	VW	GTI 2.8L V6 (174hp)	4
Volvo	C70 T5 2.3 T Conv. ('99-'04)	4	VW	GTI 2.8L V6 (200hp)	4
Volvo	C70 T5 ('06-'07)	4	VW	GTI 337 (turbo)	4
Volvo	P1800 ('61-'62)	4	VW	Jetta 1.6L	4
Volvo	S40 1.9 L ('00-'04)	4	VW	Jetta 1.8L DOHC	4
Volvo	S40 2.4L ('04-'06)	4	VW	Jetta 1.8L SOHC	4
Volvo	S40 2.4L ('07)	4	VW	Jetta 1.8L turbo GLI	4
Volvo	S40 T5 ('05)	4	VW	Jetta 2.0L GLi DOHC	4
Volvo	S40 T5 ('06-'07)	4	VW	Jetta 2.0L SOHC	4
Volvo	S40 T5 ('05-'07)(AWD)	4	VW	Jetta 2.0L turbo ('06-'08)	4
Volvo	S60 2.4L	4	VW	Jetta 2.5L I5 ('05-'07)	4
Volvo	S60 2.5L Turbo ('04-'06)(AWD)	4	VW	Jetta 2.5L I5 ('08)	4
Volvo	S60 2.5L Turbo ('07)(AWD)	4	VW	Jetta 2.8L VR6 12v ('94-'98)	4
Volvo	S60 2.5L Turbo ('04-'06)(FWD)	4	VW	Jetta 2.8L VR6 12v ('99-'02)	4
Volvo	S60 2.5L Turbo ('07)(FWD)	4	VW	Jetta 2.8L VR6 24v	4
Volvo	S60 R ('04-'05)(AWD)	3	VW	Passat 2.0L turbo ('06-'08)	4
Volvo	S60 R ('06-'07)(AWD)	3	VW	Passat 2.8L	4
Volvo	S60 2.4L T5 ('05-'07)	3	VW	Passat 3.6L ('06-'08)	4
Volvo	S60 2.3L T5 ('01-'04)	4	VW	Passat 3.6L ('06-'08)(AWD)	4
VW	Beetle 1.8L T (150hp)('99-'05)	4	VW	Passat W8 (AWD)	4
VW	Beetle 1.9L TDI ('98-'03)	4	VW	Rabbit 1.6L	4
VW	Beetle 1.9L TDI ('04-'06)	4	VW	Rabbit 1.6L Diesel (<'92)	4
VW	Beetle 2.0L ('98-'05)	4	VW	Rabbit 1.6L Turbo-Diesel (<'93)	4
VW	Beetle 2.5L ('06-'08)	4	VW	Rabbit 1.7L (74hp)	4
VW	Beetle Turbo S ('02-'04)	4	VW	Rabbit 2.5L ('06-'07)	4
VW	Corrado 1.8L DOHC, 2.0L DOHC	4	VW	Rabbit 2.5L ('08)	4
VW	Corrado 2.0L SOHC	4	VW	Rabbit GTI 1.8L (90hp)	4
VW	Corrado G60 1.8L S/C	4	VW	Scirocco 1.6L (75-78hp)	4
VW	Corrado VR6	4	VW	Scirocco 1.7L (74hp)	4
VW	Golf 1.6L, 1.8L	4	VW	Scirocco 1.8L DOHC	4
VW	Golf 1.8L DOHC, 2.0L DOHC	4	VW	Scirocco 1.8L SOHC	4