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На оба двигателя могут устанавливаться турбокомпрессоры как типа WG с постоянной зависимостью давления наддува от оборотов вала, так и VGT с изменяемой геометрией проходного сечения и электронным управлением.

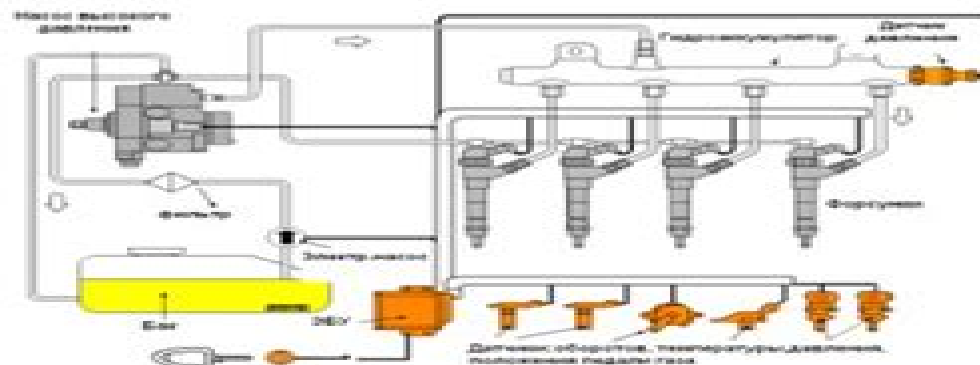
Нормы токсичности Евро 3 и Евро 4(с системой рециркуляции выхлопных газов EGR , катализатором и сажевым фильтром DPF).

Ужесточение законодательных экологических требований, предъявляемых к дизелям, заставило моторостроителей интенсивно совершенствовать топливоподачу. Сейчас почти все производители а/м в той или иной степени используют систему впрыска common rail (в переводе с английского – общая магистраль). Система позволяет впрыскивать топливо в камеру сгорания под высоким давлением, не зависящим от оборотов двигателя и нагрузки на него. Моментом подачи топлива к игле распылителя форсунки и продолжительностью самого впрыска управляет электронный блок.

Почему управление впрыском осуществляет электроника? Традиционные механические системы впрыска топлива имеют существенный недостаток: давление впрыска зависит от частоты вращения двигателя и нагрузочного режима. Это значит, что при низкой нагрузке давление впрыска падает, в результате топливо при впрыске плохо распыляется, попадая в камеру сгорания слишком крупными каплями, которые оседают на ее внутренних поверхностях. Из-за этого уменьшается КПД сгорания топлива и повышается уровень токсичности ОГ.

Название Common Rail подчеркивает разницу между способами подачи топлива в старых и новых конструкциях. Во-первых, за основу для внедрения новой системы был взят двигатель с непосредственным впрыском топлива как изначально более экономичный и избавившийся от таких недостатков как жесткость работы и вибрация.

Во-вторых, были созданы блоки управления, которые с помощью своих многочисленных программ позволили качественно улучшить работу систем питания. И, наконец, был изменен сам принцип работы всей системы впрыска.



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Steve Rendle

A red circular graphic with a gradient, appearing as a stylized arrow or a partial circle, located to the right of the author's name.

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Red Bull Racing F1 Car Manual 2nd Edition Steve Rendle, 2015-12-01 This new edition of the Manual is comprehensively updated to include the 2011 2012 and 2013 World Championship winning Red Bull cars the original book covers the 2010 RB6 In particular the Anatomy chapter which includes details of developments introduced since the original book was published in June 2011 including KERS DRS developments due to rule changes concerning blown diffusers and the switch from Bridgestone to Pirelli tyres as well as the change to 1 6 litre V6 turbocharged engines and the hybrid ERS Energy Recovery System introduced for the 2014 season **Iveco Daily** Centro de Experimentación y Seguridad Vial MAPFRE., 2000 Red Bull Racing F1 Car Steve Rendle, 2011-09-15 After the closest fought season in F1 history Sebastian Vettel became the youngest ever World Champion His car the Red Bull RB6 the work of a team led by legendary F1 designer Adrian Newey was the envy of the paddock proving to be consistently faster than its rivals over the season In this fascinating book the Red Bull RB6 receives the Haynes Manual treatment providing an unprecedented insight into the design technology and engineering of an F1 car as well as the inner workings of Red Bull Racing McLaren F1 Owner Manual and Service Record & Warranty McLaren Cars N.V., 1995 **Compleat Idiot's Guide to Iveco Daily 4x4 55S17W** Don Incoll, 2015-08-21 Toolbox Guide Iveco Daily 4x4 2007 2015 How to keep your Iveco Alive Covering Operating and Maintenance procedures Improvement and Modification Problem Solving and Repairs And Much More **Iveco Daily Family** Centro de Experimentación y Seguridad Vial MAPFRE., 1996 **Williams FW14B Manual** Steve Rendle, 2016-05-15 The Williams FW14B is the 1992 Formula 1 World Championship winning car that dominated the season and took Nigel Mansell to his only World Drivers Championship winning nine races Mansell s team mate Riccardo Patrese also won a race and finished second to Mansell on six occasions To complete the stunning statistics Mansell either won or finished second in all the races he finished that season and he took pole position for all but two of the season s 16 races *Renault 19 Diesel Service and Repair Manual* Steve Rendle, 2002-04-01

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web jun 8 2022 lewis structure in chemistry lewis structures also called electron dot structures or electron dot diagrams are

diagrams that show the bonding between atoms of a molecule and the lone pairs of

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web this exercise required us to take the formulas in the data table and calculate the number of valence electrons using the periodic table draw its lewis structure on paper build the molecular model and record a photo list the number of bonds and lone pairs surrounding the central atom and lastly identify the structure geometry