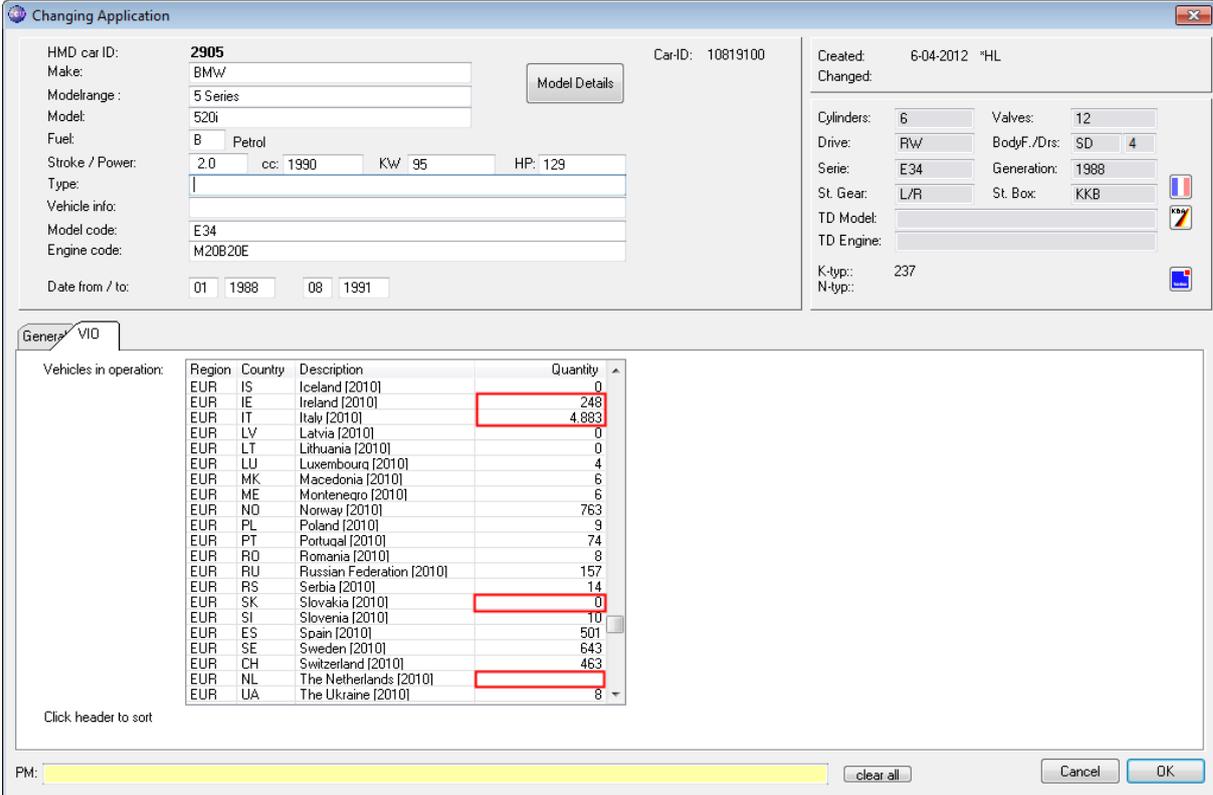


## What's new?

The VIO information has been extended in multiple ways.

For countries in your subscription, you can see the region (in preparation of CCU Global), the 2-digit ISO code, the English country name, the year of the VIO data and the amount. When the amount is higher than zero, this is the amount of vehicles in that country (see first marked example). When the amount is zero (second marked example), it means that this vehicle is not available in that particular country and when the amount is blank (third marked example), it means that this vehicle is available in that particular country, but no VIO data is available (yet).

For countries in your area of work where you have no subscription for where the vehicle runs, you can see the region (in preparation of CCU Global), the 2-digit ISO code, and the English country name with blank amount. This way you at least know in which countries the vehicle runs, even when you have no subscription to see the actual amounts.



The screenshot shows the 'Changing Application' window with the following details:

- HMD car ID: 2905
- Make: BMW
- Modelrange: 5 Series
- Model: 520i
- Fuel: B Petrol
- Stroke / Power: 2.0 cc: 1990 KW: 95 HP: 129
- Vehicle info: |
- Model code: E34
- Engine code: M20B20E
- Date from / to: 01 1988 08 1991
- Car-ID: 10819100
- Created: 6-04-2012 \*HL
- Changed:
- Cylinders: 6 Valves: 12
- Drive: F/W BodyF./ Drs: SD 4
- Serie: E34 Generation: 1988
- St. Gear: L/R St. Box: KKB
- TD Model:
- TD Engine:
- K-ty: 237
- N-ty:

The 'VIO' tab is active, showing a table of vehicles in operation:

Region	Country	Description	Quantity
EUR	IS	Iceland [2010]	0
EUR	IE	Ireland [2010]	248
EUR	IT	Italy [2010]	4.883
EUR	LV	Latvia [2010]	0
EUR	LT	Lithuania [2010]	0
EUR	LJ	Luxembourg [2010]	4
EUR	MK	Macedonia [2010]	6
EUR	ME	Montenegro [2010]	6
EUR	NO	Norway [2010]	763
EUR	PL	Poland [2010]	9
EUR	PT	Portugal [2010]	74
EUR	RO	Romania [2010]	8
EUR	RU	Russian Federation [2010]	157
EUR	RS	Serbia [2010]	14
EUR	SK	Slovakia [2010]	0
EUR	SI	Slovenia [2010]	10
EUR	ES	Spain [2010]	501
EUR	SE	Sweden [2010]	643
EUR	CH	Switzerland [2010]	463
EUR	NL	The Netherlands [2010]	463
EUR	UA	The Ukraine [2010]	8

For readability, the amounts are separated with a group separator (for thousands, so any amount bigger than 999). Lastly, because the region has been added, you have one additional column to sort on by clicking its header.

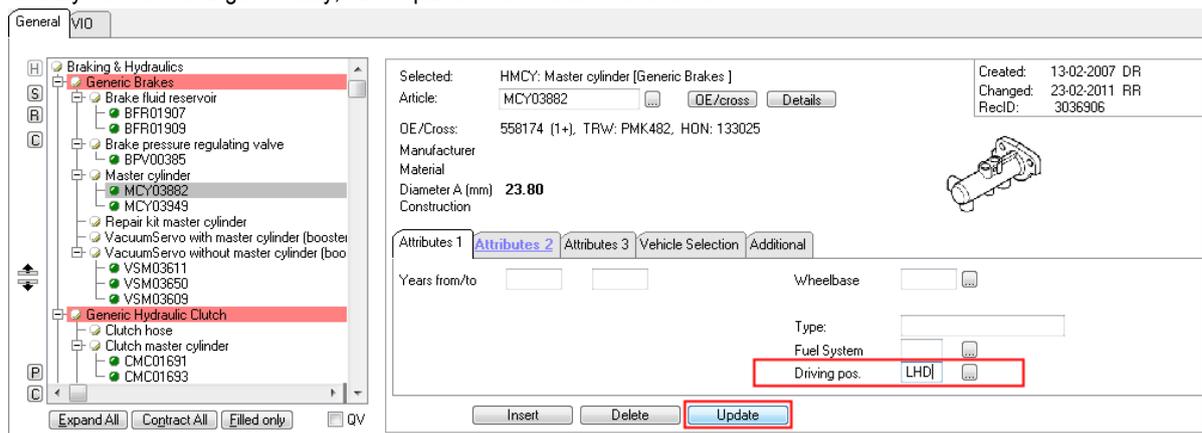
The same is also available on article level, the "Changing article"-window, sheet "VIO".

## What's new?

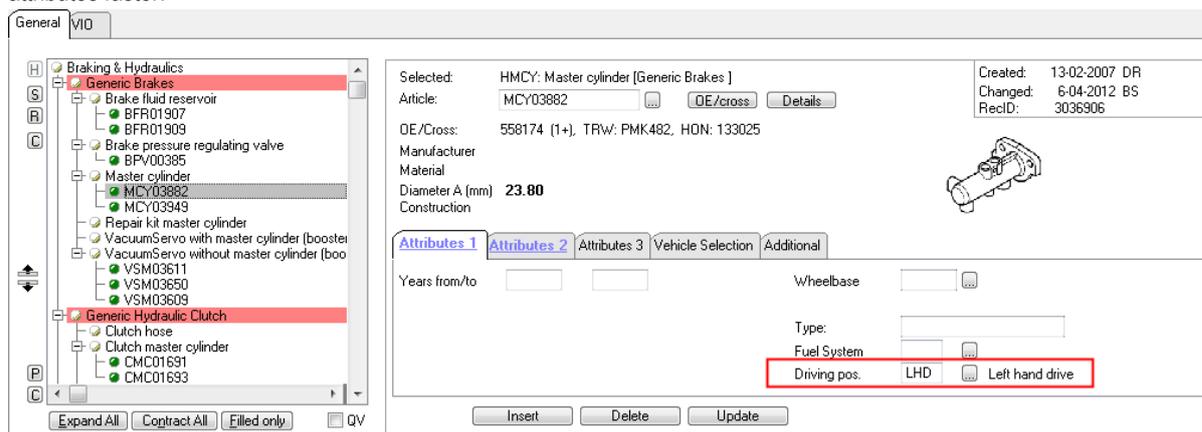
The performance of several long running reports and exports have been improved. For example the Catalog export-run, the complete OE/Cross export. Also, the TecDoc export module has been improved in both performance and functionality. This way, complex situations in vehicle linkages are now exported with more intelligence.

Also, the way of working on several windows has been improved. While the mouse is a very useful device, sometimes actions are done much faster with the keyboard.

For example, when filling in attributes on the "Changing Application"-window, you have to click the "Update"-button to actually save the change. Usually, this requires some mouse movement.

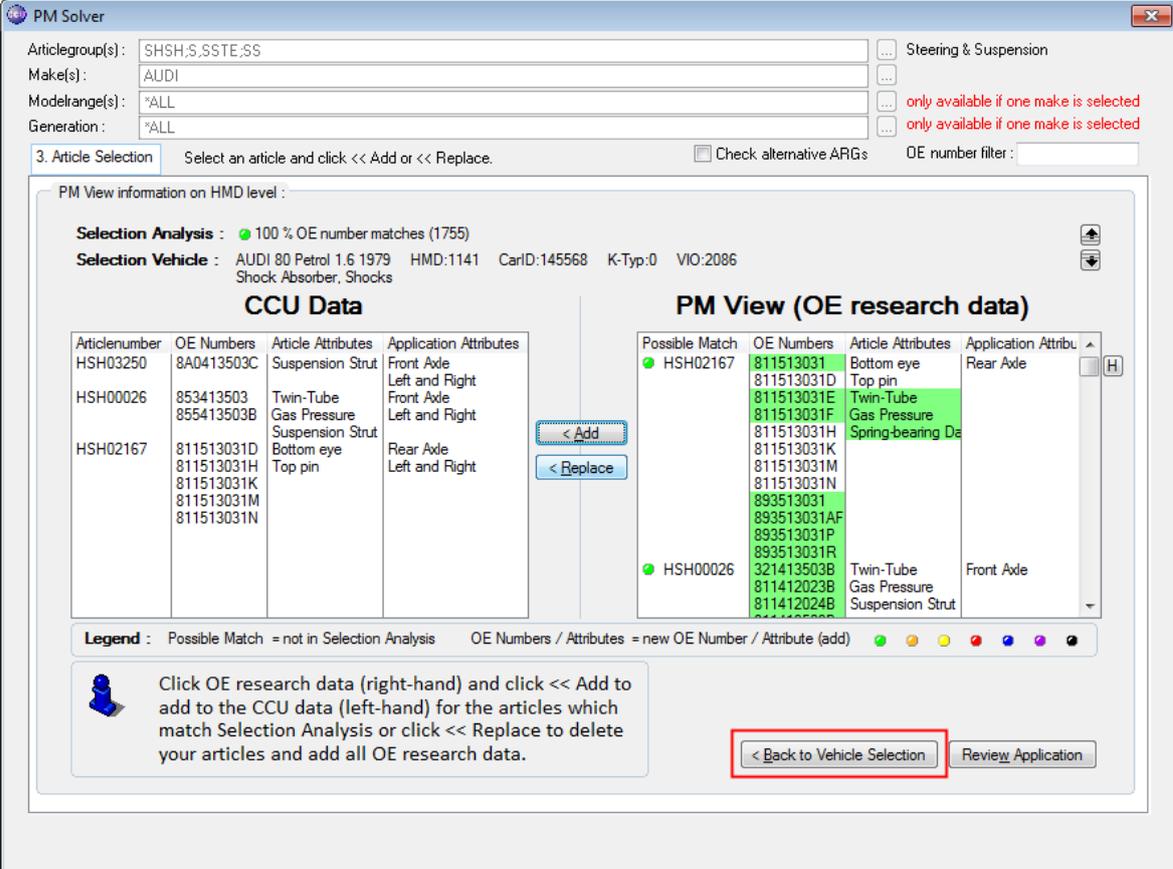


Now, you can press the "Enter" / "Return" key on the keyboard to save the record. This makes the linking of application attributes faster.



The same works also when linking an article to a vehicle, fill in the article number in the "Article:"-field (or the OE number in the "Cross:"-field, when available) and press "Enter" / "Return" to Insert the application link.

Similarly, in the PM solver keyboard shortcuts have been added. The PM solver consists of 3 main sheets : "Analysis Results", "Vehicle Selection" and "Article Selection". At the last sheet, you can see the actual comparison between your CCU data and the OE research data. When ready with one vehicle, you usually go back to the "Vehicle Selection"-sheet by clicking the "< Back to Vehicle Selection"-button, select the next car and click "Continue >"-button.



PM Solver

Articlegroup(s) : SHSH,S,SSTE,SS  
 Make(s) : AUDI  
 Modelrange(s) : \*ALL  
 Generation : \*ALL

3. Article Selection Select an article and click << Add or << Replace.  Check alternative ARGs OE number filter :

PM View information on HMD level :

**Selection Analysis** : 100 % OE number matches (1755)  
**Selection Vehicle** : AUDI 80 Petrol 1.6 1979 HMD:1141 CarID:145568 K-Typ:0 VIO:2086  
 Shock Absorber, Shocks

CCU Data				PM View (OE research data)			
Articlenumber	OE Numbers	Article Attributes	Application Attributes	Possible Match	OE Numbers	Article Attributes	Application Attributes
HSH03250	8A0413503C	Suspension Strut	Front Axle Left and Right	811513031	811513031	Bottom eye	Rear Axle
HSH00026	853413503 855413503B	Twin-Tube Gas Pressure Suspension Strut	Front Axle Left and Right	811513031D	811513031D	Top pin	
HSH02167	811513031D 811513031H 811513031K 811513031M 811513031N	Bottom eye Top pin	Rear Axle Left and Right	811513031E	811513031E	Twin-Tube	
				811513031F	811513031F	Gas Pressure	
				811513031H	811513031H	Spring-bearing De	
				811513031K	811513031K		
				811513031M	811513031M		
				811513031N	811513031N		
				893513031	893513031		
				893513031AF	893513031AF		
				893513031P	893513031P		
				893513031R	893513031R		
				321413503B	321413503B	Twin-Tube	Front Axle
				811412023B	811412023B	Gas Pressure	
				811412024B	811412024B	Suspension Strut	

**Legend** : Possible Match = not in Selection Analysis OE Numbers / Attributes = new OE Number / Attribute (add)

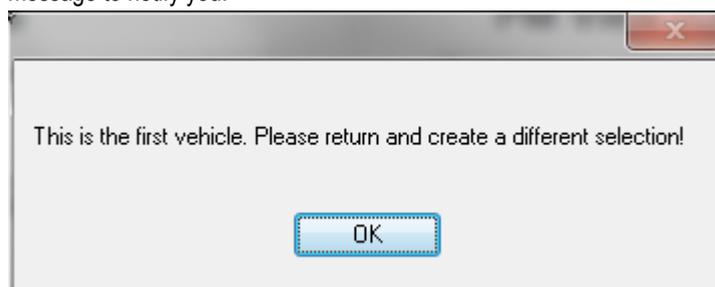
Click OE research data (right-hand) and click << Add to add to the CCU data (left-hand) for the articles which match Selection Analysis or click << Replace to delete your articles and add all OE research data.

< Back to Vehicle Selection Review Application

Now, you can use the "up" or "down"-button to select the next or previous vehicle, without having to go back and forward between this sheet and the previous sheet. And, even more easy, you can also use the "up arrow"-key or "down arrow"-key on your keyboard.

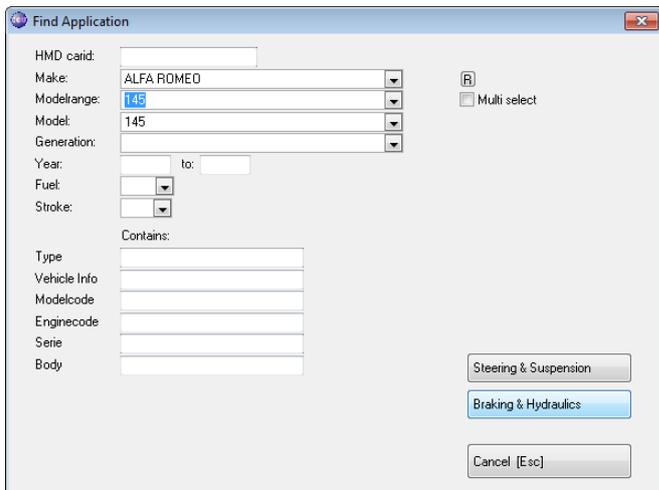


At a certain time, you will reach the first or last vehicle, depending on your way of working and you will get the following message to notify you.

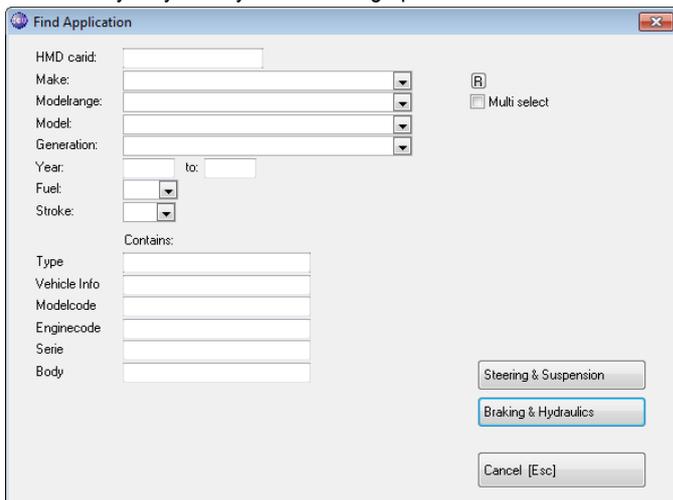


Now, you can still click the "< Back to Vehicle Selection"-button to go back to the previous sheet, or simply press the "left arrow"-key on your keyboard. Also, when at the last "Article Selection"-sheet, you can press the "right arrow"-key to open up the vehicle in detail (the same as clicking the "Review Application"-button).

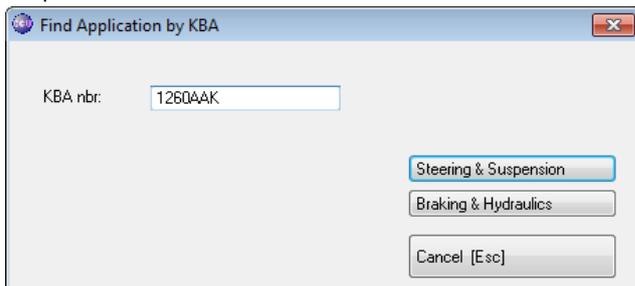
Another addition is the functionality to remember which Headarticlegroup you were working with, so the next time, this will be the default.



For example, when searching for a vehicle in the “Find Application”-window, you click the Headarticlegroup button of your choice (mostly this is the group you are responsible for or working with at the moment). After clicking “Braking & Hydraulics” in the above example, all vehicles are shown matching the selection. Now, the next time you open the “Find Application”-window, “Braking & Hydraulics” will be the default button. You can see this by the button being highlighted which looks differently depending on your windows color scheme. One further advantage is that you only need to press the “Enter” / “Return”-key on your keyboard to bring up the next window.

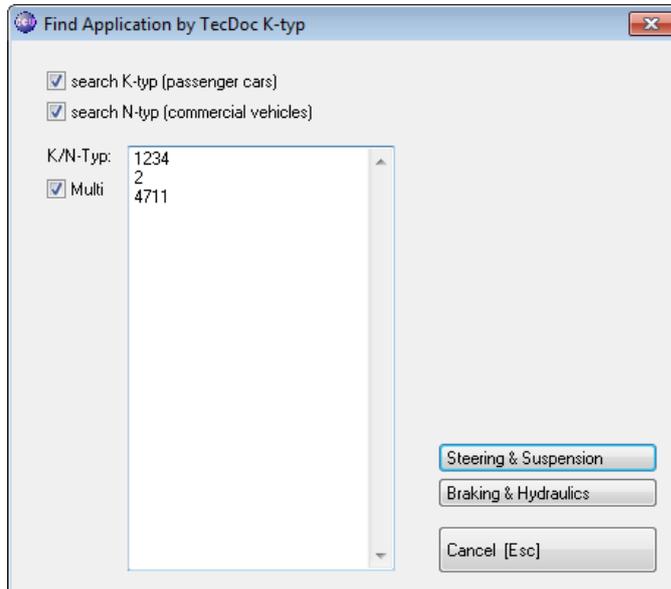


When you now switch to “Steering & Suspension”, the next time the “Steering & Suspension”-button will be the default button. This works throughout the entire application, so when searching on KBA reference for example, now “Steering & Suspension” will also be the default button.



## What's new?

When searching on K-Typ number, you now have the possibility to enter/paste multiple k-typ numbers. To do this, click the "Multi"-checkbox on the "Find Application by TecDoc K-typ"-window.



Find Application by TecDoc K-typ

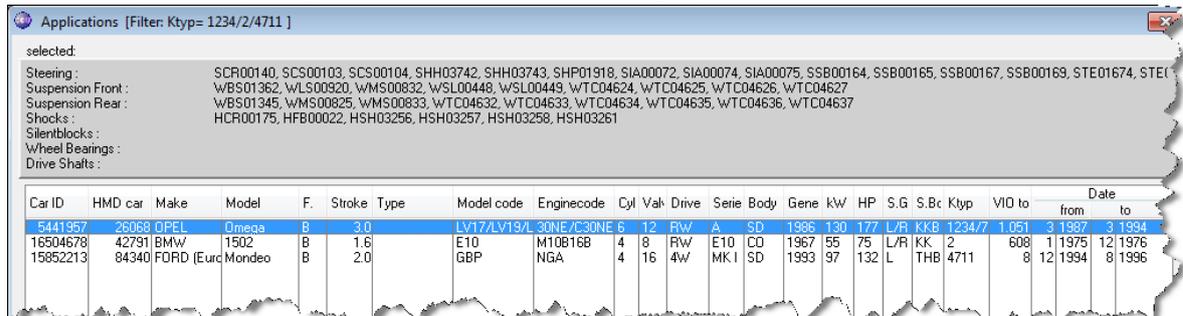
search K-typ (passenger cars)  
 search N-typ (commercial vehicles)

K/N-Typ: 1234  
2  
4711

Multi

Steering & Suspension  
 Braking & Hydraulics  
 Cancel [Esc]

Now, fill in or paste multiple k-typ numbers, and click a Headarticlegroup-button.

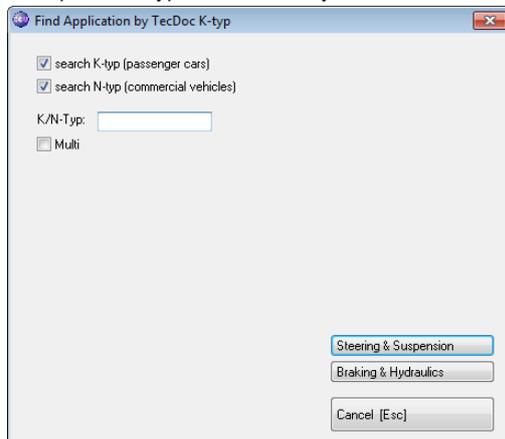


Applications [Filter: Ktyp= 1234/2/4711]

selected:  
 Steering : SCR00140, SCS00103, SCS00104, SHH03742, SHH03743, SHP01918, SIA00072, SIA00074, SIA00075, SSB00164, SSB00165, SSB00167, SSB00169, STE01674, STE01675  
 Suspension Front : WBS01362, WLS00920, WMS00832, WSL00448, WSL00449, WTC04624, WTC04625, WTC04626, WTC04627  
 Suspension Rear : WBS01345, WMS00825, WMS00833, WTC04632, WTC04633, WTC04634, WTC04635, WTC04636, WTC04637  
 Shocks : HCR00175, HFB00022, HSH03256, HSH03257, HSH03258, HSH03261  
 Silentblocks :  
 Wheel Bearings :  
 Drive Shafts :

Car ID	HMD car	Make	Model	F	Stroke	Type	Model code	Enginecode	Cyl	Val	Drive	Serie	Body	Gene	KW	HP	S.G	S.Br	Ktyp	VIO to	Date	
																				from	to	
54411557	26068	OPEL	Omega	B	3.0		LV17/LV19/L	30NE/C30NE	6	12	Rw	A	SD	1986	130	177	L/R	KK	1234/7	1.051	3 1987	3 1994
16504678	42791	BMW	1502	B	1.6		E10	M10B16B	4	8	Rw	E10	CD	1967	55	75	L/R	KK	2	608	1 1975	12 1976
15852213	84340	FORD (Euro	Mondeo	B	2.0		GBP	NGA	4	16	4w	MK I	SD	1993	97	132	L	THB	4711	8	12 1994	8 1996

Having done this, you see all HMD vehicles linked to the specified K-Typ numbers. This saves some time, not having to lookup each k-typ number one by one. When the "Multi"-checkbox is unchecked, the K-typ search works as usual.



Find Application by TecDoc K-typ

search K-typ (passenger cars)  
 search N-typ (commercial vehicles)

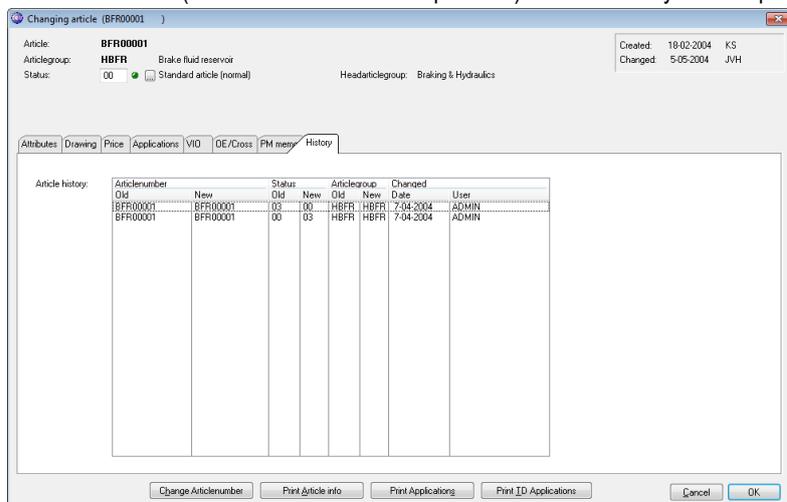
K/N-Typ:

Multi

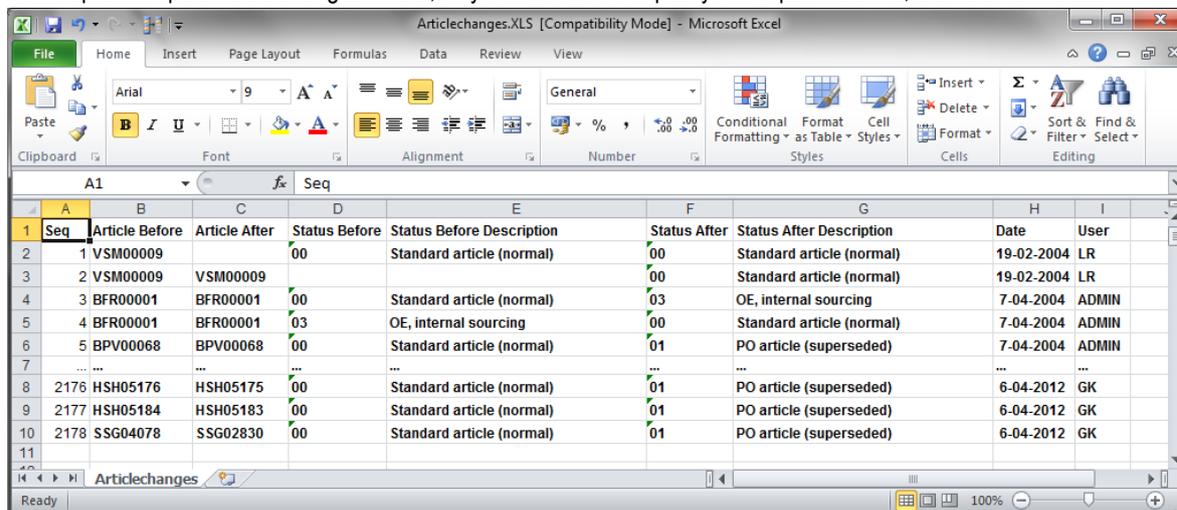
Steering & Suspension  
 Braking & Hydraulics  
 Cancel [Esc]

## Did you know?

In CCU there is a report where you can export the complete article history file. In CCU, on the “Changing article”-window, a sheet is available (can be turned on and off per user) with the history of that specific article, namely the “History”-sheet.



However, if you want a complete list of all article changes, you can open the “Reports/Exports”-menu in CCU and click the menu-option “Export Article changes”. Here, all you need to do is specify an output Excel file, click the “OK”-button and wait.



Seq	Article Before	Article After	Status Before	Status Before Description	Status After	Status After Description	Date	User
1	VSM00009	VSM00009	00	Standard article (normal)	00	Standard article (normal)	19-02-2004	LR
2	VSM00009	VSM00009	00	Standard article (normal)	00	Standard article (normal)	19-02-2004	LR
3	BFR00001	BFR00001	00	Standard article (normal)	03	OE, internal sourcing	7-04-2004	ADMIN
4	BFR00001	BFR00001	03	OE, internal sourcing	00	Standard article (normal)	7-04-2004	ADMIN
5	BPV00068	BPV00068	00	Standard article (normal)	01	PO article (superseded)	7-04-2004	ADMIN
6	...	...	...	...	...	...	...	...
7	...	...	...	...	...	...	...	...
8	2176 HSH05176	HSH05175	00	Standard article (normal)	01	PO article (superseded)	6-04-2012	GK
9	2177 HSH05184	HSH05183	00	Standard article (normal)	01	PO article (superseded)	6-04-2012	GK
10	2178 SSG04078	SSG02830	00	Standard article (normal)	01	PO article (superseded)	6-04-2012	GK

When the export is ready, a file like the one above is created. Here you have all article number- and article status-changes visible, together with the information on when and by whom this action was done.

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