



**SPAZZOLE TERGICRISTALLO
PRODOTTI E APPLICAZIONI**



Spazzole tergicristallo HELLA

In qualità di partner principale dei più noti produttori automobilistici europei, HELLA sviluppa, sin dal 1899, componenti e sistemi di qualità per l'industria automobilistica, ed è uno dei maggiori fornitori al mondo di parti e accessori per i veicoli.

Con la sua ampia offerta di accessori di altissima qualità, ad es. fanali supplementari, avvisatori acustici, lampadine e spazzole tergicristallo, HELLA offre un grande contributo in termini di sicurezza nel traffico stradale. Ogni prodotto HELLA offre il massimo in termini di qualità e prestazioni. Garantito.

Sottili capolavori in nero.

Le spazzole tergicristallo sono piccoli capolavori di alta tecnologia. Nel corso della loro vita rimuovono dal parabrezza diverse migliaia di litri d'acqua. Hanno migliori prestazioni sia sulle goccioline di nebbia che sulla neve, sul ghiaccio, sugli insetti e sull'acqua sporca sollevata dai veicoli che precedono. È un duro lavoro, per questo vi consigliamo di scegliere le spazzole tergicristallo HELLA quando è ora di sostituirle. Nonostante siano così piccole, il loro contributo alla sicurezza nel traffico stradale è notevole.

Sentite la differenza, con le spazzole tergicristallo HELLA

Il rivestimento in grafite del tergente in gomma consente di ridurre notevolmente l'attrito nelle zone di contatto tra la spazzola tergicristallo e il parabrezza.

**Il risultato:
funzionamento uniforme e silenzioso
per una durata più lunga delle prestazioni.**



Dyna Blade di HELLA – le nuove spazzole tergicristallo senza archetti.

La lamina elastica con curvatura ottimale delle nuove Dyna Blade distribuisce in modo uniforme la forza su ogni punto del parabrezza. Questo garantisce una tergitura perfetta. La pressione distribuita in modo uniforme evita punti di usura.

Su tutte le Dyna Blade viene preassemblato un multiadattatore. In questo modo le nuove spazzole tergicristallo possono essere montate anche sui veicoli più vecchi. Per le nuove serie nell'imballaggio sono presenti altri adattatori, necessari per i rispettivi bracci tergicristallo dei veicoli.

La nuova gamma di spazzole tergicristallo HELLA viene offerta in versione monopezzo; in questo modo il cliente può sostituire, se necessario, una sola spazzola tergicristallo.

Con la nuova gamma di spazzole tergicristallo HELLA riesce a coprire il 98% del mercato.



Panoramiche generali

Spazzole tergicristallo convenzionali

Spazzola tergicristallo	Dimensioni		Codice articolo
WP11	11"	275 mm	9XW 178 878-111
WP14	14"	350 mm	9XW 178 878-141
WP15	15"	375 mm	9XW 178 878-151
WP16	16"	400 mm	9XW 178 878-161
WP17	17"	425 mm	9XW 178 878-171
WP18	18"	450 mm	9XW 178 878-181
WP19	19"	475 mm	9XW 178 878-191
WP20	20"	500 mm	9XW 178 878-201
WP21	21"	525 mm	9XW 178 878-211
WP22	22"	550 mm	9XW 178 878-221
WP23	23"	575 mm	9XW 178 878-231
WP24	24"	600 mm	9XW 178 878-241
WP26	26"	650 mm	9XW 178 878-261

Spazzole tergicristallo per veicoli commerciali

Spazzola tergicristallo	Dimensioni		Codice articolo
WT20	20"	500 mm	9XW 184 107-201
WT22	22"	550 mm	9XW 184 107-221
WT24	24"	600 mm	9XW 184 107-241
WT26	26"	650 mm	9XW 184 107-261
WT28	28"	700 mm	9XW 184 107-281
WT32	32"	800 mm	9XW 184 107-321
WT36	36"	900 mm	9XW 184 107-361
WT40	40"	1000 mm	9XW 184 107-401

Spazzole tergicristallo senza archetti – Dyna Blade

Spazzola tergicristallo	Dimensioni		Codice articolo
WP13F	13"	325 mm	9XW 190 680-131
WP14F	14"	350 mm	9XW 190 680-141
WP15F	15"	375 mm	9XW 190 680-151
WP16F	16"	400 mm	9XW 190 680-161
WP17F	17"	425 mm	9XW 190 680-171
WP18F	18"	450 mm	9XW 190 680-181
WP19F	19"	475 mm	9XW 190 680-191
WP20F	20"	500 mm	9XW 190 680-201
WP21F	21"	525 mm	9XW 190 680-211
WP22F	22"	550 mm	9XW 190 680-221
WP23F	23"	575 mm	9XW 190 680-231
WP24F	24"	600 mm	9XW 190 680-241
WP25F	25"	625 mm	9XW 190 680-251
WP26F	26"	650 mm	9XW 190 680-261
WP27F	27"	675 mm	9XW 190 680-271
WP28F	28"	700 mm	9XW 190 680-281



Spazzola tergicristallo convenzionale



Spazzola tergicristallo senza archetti – Dyna Blade

Spazzole tergicristallo convenzionali



1 Il labbro in gomma rivestito di nanoparticelle di grafite offre un funzionamento uniforme e silenzioso e quindi un'ottima visuale.

2 Adattatore preassemblato

3 Logo originale HELLA impresso su ogni spazzola tergicristallo come marchio di qualità

4 Telaio in acciaio massiccio e di alta qualità per la massima resistenza e durata

5 La pressione uniforme su tutti i punti di appoggio garantisce un risultato di tergitura perfetto

Bordo resistente all'usura per risultati sempre perfetti

Ecologiche e senza piombo

Guaina di protezione su ogni spazzola tergicristallo nuova

Spiegazione dei simboli



Utilizzo su autovettura



Lato guida



Spazzole tergicristallo convenzionali



Lato passeggero



Spazzole tergicristallo senza archetti



Zona posteriore

Dyna Blade



1 Logo originale Hella impresso su ogni spazzola

2 Multiadattatore preassemblato per bracci tergicristallo con attacco a uncino

3 La pressione uniforme su tutti i punti di appoggio offre una tergitura perfetta

4 Pulizia ottimale grazie alla spazzola tergicristallo rivestita di grafite

5 L'eliminazione degli archetti e delle parti metalliche esterne garantisce un utilizzo senza inconvenienti in inverno

Guaina di protezione su ogni spazzola tergicristallo nuova

Spiegazione dei simboli



Utilizzo su veicoli commerciali



Parabrezza superiore



Data di costruzione



Parabrezza inferiore



Dimensioni

* A movimento opposto
** A movimento parallelo

**ALFA ROMEO**

159	05 →	-	-	-	WP23F	WP18F
145 (930)	94 → 01	WP23	WP18	-	WP22F	WP18F
146 (930)	94 → 01	WP23	WP18	-	WP22F	WP18F
147 (937)	01 → 10			-	WP22F	WP16F
155 (167)	92 → 97	WP21	WP19	-	WP21F	WP19F
156 (932)	97 → 05	-	-	-	WP22F	WP20F
156 Sportwagon (932)	00 → 06	-	-	-	WP22F	WP20F
159 Sportwagon	06 →	-	-	-	WP23F	WP18F
164 (164)	87 → 97	WP21	WP21	-	-	-
166 (936)	98 →	WP21	WP19	-	WP21F	WP19F
BRERA	06 →	-	-	-	WP23F	WP18F
GT	03 →	-	-	-	WP22F	WP16F
MITO (955)	08 →	-	-	-	WP25F	WP16F
SPIDER (939)	06 →	-	-	-	WP23F	WP18F

AUDI

80 Avant (8C, B4)	91 → 96	WP21	WP21	-	WP21F	WP21F
A3 (8L1)	96 → 03	WP21	WP19	WP14	WP21F	WP18F
A3 (8P1)	03 →	-	-	-	WP24F	WP19F
A3 Sportback (8PA)	04 →	-	-	-	WP24F	WP19F
A4 (8D2, B5)	94 → 00	WP22	WP21	-	WP22F	WP21F
A4 (8E2, B6)	00 → 04	-	-	-	WP22F	WP22F
A4 (8EC, B7)	04 → 08	-	-	-	WP22F	WP22F
A4 (8K2, B8)	07 →	-	-	-	WP22F	WP22F
A4 Avant (8D5, B5)	94 → 01	WP22	WP21	WP14	WP22F	WP21F
A4 Avant (8E5, B6)	01 → 04	-	-	-	WP22F	WP22F
A4 Avant (8ED, B7)	04 → 08	-	-	-	WP22F	WP22F
A4 Avant (8K5, B8)	08 →	-	-	-	WP22F	WP22F
A4 Cabriolet (8H7, B6, 8HE, B7)	02 → 09	-	-	-	WP23F	WP22F
A5 (8T3)	07 →	-	-	-	WP24F	WP20F
A5 Sportback (8TA)	09 →	-	-	-	WP24F	WP20F
A6 (4A, C4)	94 → 96	-	-	-	WP22F	WP21F
A6 (4B, C5)	97 → 05	-	-	-	WP22F	WP21F
A6 (4F2, C6)	05 → 11	-	-	-	WP22F	WP22F
A6 Allroad (4FH, C6)	06 →	-	-	-	WP22F	WP22F
A6 Avant (4A, C4)	94 → 97	-	-	-	WP22F	WP21F
A6 Avant (4F5, C6)	05 → 11	-	-	-	WP22F	WP22F
A8 (4D2, 4D8)	97 → 02	-	-	-	WP22F	WP22F
A8 (4E_)	02 → 10	-	-	-	WP24F	WP23F
CABRIOLET (8G7, B4)	91 → 00	WP22	WP22	-	WP22F	WP22F
COUPE (89, 8B)	88 → 96	WP22	WP22	WP21	WP22F	WP22F
Q5 (8R)	08 →	-	-	-	WP24F	WP20F
Q7 (4L)	06 → 12	-	-	-	WP26F	WP26F
TT (8N3)	02 → 06	-	-	-	WP21F	WP21F
TT (8J3)	06 →	-	-	-	WP22F	WP21F
TT Roadster (8J9)	07 → 10	-	-	-	WP22F	WP21F
TT Roadster (8N9)	99 → 06	-	-	-	WP21F	WP21F

**BMW**

1 (E81, E87)	04 →	-	-	-	WP20F	WP20F
1 Cabriolet (E88)	08 →	-	-	-	WP20F	WP20F
1 Coupe (E82)	07 →	-	-	-	WP20F	WP20F
3 (E36)	90 → 98	-	-	-	WP21F	WP21F
3 (E46)	98 → 05	-	-	-	WP23F	WP20F
3 (E90)	05 →	-	-	-	WP24F	WP19F
3 Cabriolet (E36)	93 → 99	-	-	-	WP21F	WP20F
3 Cabriolet (E46)	00 →	-	-	-	WP23F	WP20F
3 Compact (E36)	94 → 00	WP20	WP20	-	WP20F	WP20F
3 Compact (E46)	01 → 05	-	-	-	WP23F	WP20F
3 Coupe (E36)	92 → 99	WP21	WP20	-	WP21F	WP20F
3 Coupe (E46)	00 → 06	-	-	-	WP23F	WP20F
3 Coupe (E92)	06 →	-	-	-	WP24F	WP18F
3 Touring (E36)	95 → 99	WP21	WP20	-	WP21F	WP20F
3 Touring (E46)	00 → 05	-	-	-	WP23F	WP20F
3 Touring (E91)	05 →	-	-	-	WP24F	WP19F
5 (E39)	95 → 03	-	-	-	WP18F	WP22F
5 (E60)	03 →	-	-	-	WP24F	WP23F
5 Touring (E34)	91 → 97	-	-	-	WP24F	WP24F
5 Touring (E39)	99 → 04	-	-	-	WP26F	WP22F
5 Touring (E61)	04 →	-	-	-	WP24F	WP23F
6 (E63)	04 →	-	-	-	WP24F	WP23F
7 (E38)	00 → 01	-	-	-	WP24F	WP24F
8 (E31)	90 → 99	-	-	-	WP24F	WP24F
X3 (E83)	04 →	-	-	-	WP22F	WP20F
X5 (E53)	00 →	WP24	WP22	WP18	WP24F	WP22F
X5 (E70)	07 →	-	-	-	WP24F	WP20F
X6 (E71, E72)	08 →	-	-	-	WP24F	WP20F
Z3 Coupe (E36)	97 → 03	-	-	-	WP20F	WP20F
Z4 (E85)	03 →	-	-	-	WP21F	WP20F

CADILLAC

BLS Wagon	07 →	-	-	-	WP23F	WP23F
SEVILLE	97 → 04	-	-	-	WP22F	WP22F

CHEVROLET

AVEO (T200, T250)	04 -	WP22	WP16	-	WP22F	WP16F
CAPTIVA (C100, C140)	06 →	WP24	WP16	-	WP24F	WP16F
EPICA (KL1_)	05 →	-	-	-	WP22F	WP20F
KALOS	05 →	-	-	-	WP22F	WP16F
KALOS Notchback	05 →	-	-	-	WP22F	WP16F
LACETTI (J200)	05 →	WP22	WP19	WP18	WP22F	WP19F
MATIZ	05 →	WP22	WP14	-	WP22F	WP14F
REZZO	05 →	WP24	WP19	WP15	WP24F	WP19F

CHRYSLER

300 C	04 →	WP22	WP22	-	WP22F	WP22F
300 C Touring	04 →	WP22	WP22	-	WP22F	WP22F
300 M (LR)	98 →	WP24	WP22	-	WP24F	WP22F

**CHRYSLER**

CROSSFIRE	03 →	-	-	-	WP20F	WP21F
CROSSFIRE Roadster	04 →	-	-	-	WP20F	WP21F
GRAND VOYAGER V (RT)	07 →	-	-	-	WP26F	WP20F
NEON (PL)	94 → 00	WP21	WP18	-	WP21F	WP18F
NEON II	01 →	-	-	-	WP22F	WP19F
NEW YORKER	93 → 98	WP24	WP24	-	WP24F	WP24F
PT CRUISER (PT_)	00 →	WP21	WP21	-	WP20F	WP21F
PT CRUISER Cabriolet	04 →	WP21	WP21	-	WP20F	WP21F
SEBRING (JR)	01 → 07	WP22	WP22	-	WP22F	WP21F
SEBRING (JR)	07 →	-	-	-	WP24F	WP21F
SEBRING (JR)	01 → 07	-	-	-	WP22F	WP21F
SEBRING Cabriolet (JR)	07 →	-	-	-	WP24F	WP21F
STRATUS (JA)	95 → 01	WP22	WP22	-	WP22F	WP22F
STRATUS Cabriolet (JX)	96 → 01	WP22	WP22	-	WP22F	WP22F
VIPER	92 → 98	-	-	-	WP18F	WP18F
VOYAGER II (ES)	90 → 95	WP22	WP18	-	WP22F	WP18F
VOYAGER III (GS)	95 → 01	WP26	WP26	-	WP26F	WP26F
VOYAGER IV (RG)	00 →	WP26	WP26	-	WP26F	WP26F

CITROËN

BERLINGO	08 →	-	-	-	WP26F	WP16F
BERLINGO (MF)	96 →	WP22	WP22	WP14	WP22F	WP22F
BERLINGO (M_)	96 →	WP22	WP22	WP14	-	-
C1 (PM_, PN_)	05 →	-	-	-	WP26F	-
C2 (JM_)	03 →	WP24	WP18	-	WP24F	WP18F
C3 (FC_)	02 →	WP24	WP18	-	WP24F	WP18F
C3 II	09 →	-	-	-	WP26F	WP16F
C3 Picasso	09 →	-	-	-	WP24F	WP16F
C3 Pluriel (HB_)	03 →	-	-	-	WP22F	WP18F
C4 (LC_)	04 →	-	-	-	WP28F	WP28F
C4 Coupe (LA_)	04 →	-	-	-	WP18F	WP18F
C5 (DC_)	01 → 04	-	-	-	WP26F	WP18F
C5 (RD_)	10 →	-	-	-	WP28F	WP22F
C5 Break (DE_)	01 → 04	-	-	-	-	-
C5 Break (RE_)	04 →	-	-	-	WP26F	WP19F
C5 Break (TD_)	08 →	-	-	-	WP28F	WP22F
C6 (TD_)	09 →	-	-	-	WP28F	WP28F
C8 (EA_, EB_)	02 →	-	-	-	WP26F	WP26F
C-CROSSER (EP_)	07 →	WP24	WP21	-	WP24F	WP21F
C-CROSSER ENTERPRISE	09 →	-	-	-	WP24F	WP20F
DS3	09 →	-	-	-	WP24F	WP16F
EVASION (22, U6)	96 → 02	WP26	WP20	-	WP26F	WP20F
JUMPER	06 →	-	-	-	WP22F	-
JUMPER (230P)	00 → 02	WP22	WP22	-	WP22F	WP22F
JUMPER (244, Z_)	02 →	WP22	WP22	-	WP22F	WP22F
JUMPER	06 →	-	-	-	WP26F	WP22F
JUMPER (230L)	96 → 02	WP22	WP22	-	WP22F	WP22F

**CITROËN**

JUMPER (244)	02 →	WP22	WP22	–	WP22F	WP22F
JUMPY	07 →	WP26	WP20	–	WP26F	WP20F
JUMPY (U6U)	00 → 06	WP26	WP20	–	WP26F	WP20F
JUMPY	07 →	WP26	WP20	–	WP26F	WP20F
JUMPY (BS_, BT_, BY_, BZ_)	95 →	–	–	–	WP26F	WP20F
NEMO (AA_)	08 →	–	–	–	WP26F	WP19F
SAXO (S0, S1)	96 → 03	WP20	WP18	–	WP20F	WP18F
XANTIA (X1)	93 → 98	WP24	WP20	–	WP24F	WP20F
XANTIA (X2)	98 → 01	WP24	WP19	–	WP24F	WP19F
XANTIA Break (X1)	95 → 98	WP24	WP20	–	WP24F	WP20F
XANTIA Break (X2)	98 → 01	WP24	WP19	–	WP24F	WP19F
XM (Y4)	94 → 00	WP22	WP22	–	–	–
XM Break (Y4)	94 → 00	WP22	WP22	–	–	–
XSARA (N1)	97 → 05	WP22	WP20	WP18	WP22F	WP20F
XSARA Break (N2)	97 → 05	WP22	WP20	WP18	WP22F	WP20F
XSARA Coupe (N0)	98 → 05	WP22	WP20	WP18	WP22F	WP20F
XSARA PICASSO (N68)	00 → 05	WP26	WP26	–	WP26F	WP26F
XSARA PICASSO (N68)	05 →	–	–	–	WP26F	WP26F

DACIA

LOGAN (LS_)	04 →	–	–	–	WP20F	WP20F
LOGAN MCV (KS_)	07 →	–	–	–	WP20F	WP20F
SANDERO	08 →	–	–	–	WP20F	WP20F

DAEWOO

ESPERO (KLEJ)	91 → 99	WP19	WP19	–	WP19F	WP19F
KALOS (KLAS)	02 → 05	–	–	–	WP22F	WP16F
KALOS Notchback (KLAS)	02 → 05	–	–	–	WP22F	WP16F
KORANDO (KJ)	99 →	WP18	WP18	WP11	WP18F	WP18F
KORANDO Cabrio (KJ)	99 →	WP18	WP18	–	WP22F	WP19F
LACETTI Hatchback (KLAN)	04 →	WP22	WP19	WP18	WP22F	WP19F
LANOS (KLAT)	97 →	WP19	WP19	WP19	WP19F	WP19F
LANOS Notchback (KLAT)	97 →	WP19	WP19	–	WP19F	WP19F
LEGANZA (KLAU)	97 → 03	WP22	WP19	–	WP22F	WP19F
MATIZ (KLYA)	98 →	WP21	WP15	WP14	WP21F	WP16F
MUSSO (FJ)	99 → 99	WP20	WP18	WP14	WP20F	WP18F
NEXIA (KLETN)	95 → 97	WP18	WP18	–	WP18F	WP18F
NEXIA Notchback (KLETN)	95 → 97	WP18	WP18	–	WP18F	WP18F
NUBIRA (KLAJ)	97 →	WP20	WP19	WP18	WP20F	WP19F
NUBIRA Notchback (KLAJ)	97 →	WP20	WP20	WP18	WP20F	WP19F
NUBIRA Notchback (KLAN)	03 →	WP22	WP19	–	–	–
NUBIRA Wagon (KLAJ)	00 →	WP22	WP19	–	WP20F	WP20F
NUBIRA Wagon (KLAN)	03 →	WP22	WP19	–	WP20F	WP20F
REZZO (KLAU)	00 →	WP24	WP19	WP15	WP24F	WP19F

DAIHATSU

APPLAUSE I (A101, A111)	89 → 97	WP17	WP17	WP17	WP18F	WP18F
APPLAUSE II (A101)	97 → 00	–	–	–	WP18F	WP18F
CHARADE IV (G200, G202)	93 → 99	WP19	WP18	–	–	–

**DAIHATSU**

CHARADE IV Notchback (G203)	93 → 02	WP19	WP18	-	WP18F	WP18F
CUORE V (L5)	96 → 98	WP19	WP18	-	WP18F	WP18F
CUORE VI (L7_)	00 → 03	WP18	WP16	-	WP18F	WP16F
CUORE VII (L251)	03 →	-	-	-	WP21F	-
CUORE VIII	07 →	-	-	-	WP18F	WP16F
EXTOL Bus (S22_, S23_)	00 →	-	-	-	WP19F	WP16F
GRAN MOVE (G3)	96 → 02	WP21	WP19	WP14	WP21F	WP19F
MATERIA (M4_)	06 →	-	-	-	WP20F	WP19F
SIRION (M1)	98 → 05	WP19	WP18	WP14	WP19F	WP18F
SIRION (M3_)	05 →	-	-	-	WP20F	WP16F
YRV (M2)	01 →	WP21	WP14	-	WP21F	WP14F

DODGE

AVENGER	07 →	-	-	-	WP24F	WP22F
CALIBER	06 →	WP24	WP16	-	WP24F	WP16F
CARAVAN II	95 → 01	-	-	-	WP28F	WP28F
JOURNEY	08 →	WP24	WP18	-	WP24F	WP18F
NITRO	07 →	WP19	WP19	-	WP19F	WP19F

FIAT

BRAVA (182)	98 → 02	WP23	WP19	-	WP22F	WP19F
BRAVO I (182)	98 → 01	WP23	WP19	-	WP23F	WP19F
BRAVO II (198)	06 →	-	-	-	WP24F	WP18F
CINQUECENTO (170)	91 → 98	WP19	WP19	WP11	WP19F	WP19F
COUPE (FA/175)	93 → 00	WP21	WP19	-	WP21F	WP19F
CROMA (154)	85 → 96	-	-	-	WP20F	WP20F
CROMA (194)	05 →	-	-	-	WP24F	WP17F
DOBLO (119)	01 →	WP22	WP18	-	WP22F	WP18F
DOBLO Cargo (223)	01 →	WP22	WP18	-	WP22F	WP18F
DUCATO (230)	94 → 02	WP22	WP22	-	WP22F	WP22F
DUCATO (244, Z_)	02 →	WP22	WP22	-	-	-
DUCATO (250)	06 →	-	-	-	WP26F	WP22F
DUCATO (230L)	94 → 02	WP22	WP22	-	WP22F	WP22F
DUCATO (244)	02 →	WP22	WP22	-	-	-
DUCATO (250)	06 →	-	-	-	WP26F	WP22F
IDEA	03 →	WP23	WP15	-	WP22F	WP14F
LINEA (323)	07 →	-	-	-	WP26F	WP15F
MAREA (185)	96 → 07	WP23	WP19	-	WP22F	WP19F
MAREA Weekend (185)	96 → 07	WP23	WP19	-	WP22F	WP19F
MULTIPLA (186)	00 → 10	WP24	WP22	-	WP24F	WP22F
PALIO (178BX)	97 → 05	-	-	-	WP22F	WP18F
PALIO Weekend (178DX)	01 →	WP23	WP18	-	WP22F	WP18F
PANDA (141A_)	95 → 03	-	-	-	WP16F	-
PANDA (169)	03 →	WP23	WP16	-	WP23F	WP16F
PUNTO (176)	93 → 99	WP23	WP16	-	WP22F	WP16F
PUNTO (188)	99 →	WP22	WP18	-	WP21F	WP18F
PUNTO / GRANDE PUNTO (199)	05 →	-	-	-	WP26F	WP15F
PUNTO Cabriolet (176C)	94 → 00	WP23	WP16	-	WP22F	WP16F

**FIAT**

PUNTO EVO	08 →	-	-	-	WP26F	WP15F
PUNTO Van (176L)	96 → 00	WP23	WP16	-	WP23F	WP16F
PUNTO Van (188AX)	00 →	WP22	WP18	-	-	-
QUBO	08 →	-	-	-	WP26F	WP19F
SCUDO (270_)	07 →	-	-	-	WP26F	WP13F
SCUDO Combinato (220P)	00 →	-	-	-	WP26F	WP20F
SCUDO (270_)	07 →	-	-	-	WP26F	WP13F
SEDICI	06 →	WP26	WP14	-	WP26F	WP14F
SEICENTO (187)	98 → 02	WP19	WP19	-	WP19F	WP19F
SEICENTO Van (187)	98 →	WP19	WP19	-	-	-
STILO (192)	01 →	WP21	WP18	-	WP21F	WP18F
STILO Multi Wagon (192)	03 →	WP21	WP18	-	WP21F	WP18F
STRADA (178E)	00 →	WP23	WP18	-	WP22F	WP18F
ULYSSE (179AX)	02 →	-	-	-	WP26F	WP26F
ULYSSE (220)	97 → 02	-	-	-	WP26F	WP26F
UNO (146A/E)	85 → 98	WP18	-	-	WP18F	-

FORD

C-MAX	07 →	-	-	-	WP26F	WP26F
COUGAR (EC_)	98 → 01	-	-	-	WP22F	WP20F
COURIER (F3L, F5L)	91 → 96	WP19	WP19	-	-	-
FIESTA III (GFJ)	89 → 97	WP19	WP19	-	WP19F	WP19F
FIESTA IV (JA_, JB_)	97 → 02	WP19	WP19	-	WP19F	WP19F
FIESTA (JV_)	98 →	WP19	WP19	-	-	-
FIESTA V (JH_, JD_)	02 → 08	WP22	WP16	-	WP22F	WP16F
FIESTA VI	08 →	-	-	-	WP26F	WP15F
FOCUS (DAW, DBW)	98 → 04	WP22	WP19	WP14	WP22F	WP19F
FOCUS II (DA_)	04 →	-	-	-	WP26F	WP26F
FOCUS II Cabriolet	06 →	-	-	-	WP26F	WP26F
FOCUS II Kombi (DAW_)	04 →	-	-	WP11	WP26F	WP26F
FUSION (JU_)	02 →	-	-	-	WP22F	WP16F
FUSION Notchback	06 →	-	-	-	WP22F	WP16F
GALAXY	01 → 06	-	-	-	WP28F	WP28F
GRAND C-MAX	10 →	-	-	-	WP26F	WP26F
KA (RB_)	02 → 08	WP19	WP18	-	WP19F	WP19F
KA	08 →	-	-	-	WP24F	WP14F
KUGA	08 →	-	-	-	WP24F	WP16F
MAVERICK	01 →	WP19	WP19	-	WP19F	WP19F
MONDEO II (BAP)	96 → 00	WP21	WP20	-	WP21F	WP20F
MONDEO II Kombi (BNP)	96 → 00	WP21	WP20	-	WP21F	WP20F
MONDEO II Notchback (BFP)	96 → 00	WP21	WP20	-	WP21F	WP20F
MONDEO III (B5Y)	00 → 07	WP22	WP20	-	WP22F	WP20F
MONDEO III Kombi (BWY)	00 → 07	WP22	WP20	-	WP22F	WP20F
MONDEO III Notchback (B4Y)	00 → 07	WP22	WP20	-	WP22F	WP20F
MONDEO IV	07 →	-	-	-	WP26F	WP19F
MONDEO IV Notchback	07 →	-	-	-	WP26F	WP19F
MONDEO IV Turnier	07 →	-	-	-	WP26F	WP19F

**FORD**

PUMA (EC_)	97 → 00	WP19	WP19	-	WP19F	WP19F
RANGER	06 →	WP18	WP18	-	-	-
RANGER (TU_)	01 → 05	WP18	WP18	-	-	-
S-MAX	06 →	-	-	-	-	WP26F
STREET KA	03 → 05	WP19	WP19	-	WP19F	WP19F
TOURNEO CONNECT	02 →	WP22	WP20	-	WP22F	WP20F
TRANSIT Bus (E_)	91 → 00	WP22	WP22	-	WP22F	WP22F
TRANSIT Bus (FD_ , FB_ , FS_ , FZ_ , FC_)	00 → 06	WP26	WP24	-	-	-
TRANSIT Bus	06 →	WP26	WP24	-	-	-
TRANSIT CONNECT (P65_ , P70_ , P80_)	02 →	WP22	WP20	-	WP22F	WP20F
TRANSIT (E_)	91 → 00	WP22	WP22	-	WP22F	WP22F
TRANSIT (FA_)	00 → 06	WP26	WP24	-	-	-
TRANSIT	06 →	WP26	WP24	-	-	-
TRANSIT TOURNEO	94 →	WP26	WP24	-	-	-

HONDA

ACCORD IX (CU)	08 →	-	-	-	WP24F	WP22F
ACCORD IX TOURER	08 →	-	-	-	WP24F	WP22F
ACCORD V (CC7, CD)	93 → 98	WP22	WP20	-	WP22F	WP20F
ACCORD V Aerodeck (CE)	93 → 98	WP22	WP20	-	WP22F	WP20F
ACCORD V Coupe (CD7, CD9)	93 → 98	WP22	WP19	-	WP22F	WP20F
ACCORD VI (CE, CF)	94 → 98	WP22	WP19	-	WP22F	WP19F
ACCORD VII (CG, CK)	99 → 03	WP22	WP19	-	-	-
ACCORD VII Aerodeck (CM_)	98 → 05	-	-	-	WP22F	WP19F
ACCORD VII Coupe (CG)	98 → 03	WP22	WP19	-	WP22F	WP19F
ACCORD VII Hatchback (CH)	00 → 02	WP22	WP19	-	WP22F	WP19F
ACCORD VIII (CL_ , CM_)	03 →	WP26	WP16	-	WP26F	WP16F
ACCORD VIII Tourer (CM_)	03 →	WP26	WP16	-	WP26F	WP16F
CIVIC VI Aerodeck (MB, MC)	98 → 01	WP20	WP18	-	WP20F	WP18F
CIVIC VI Coupe (EJ, EM1)	96 → 00	WP20	WP18	-	WP20F	WP18F
CIVIC VI Fastback (MA)	94 → 01	WP20	WP18	-	WP20F	WP18F
CIVIC VI Fastback (MB)	98 → 00	WP20	WP18	-	WP20F	WP18F
CIVIC VI Hatchback (EJ, EK)	95 → 01	WP20	WP18	-	WP20F	WP18F
CIVIC VI Notchback (EJ, EK)	95 → 01	WP20	WP18	-	WP20F	WP18F
CIVIC VII Coupe (EM2)	01 → 05	WP24	WP14	-	WP24F	WP14F
CIVIC VII Hatchback (EU, EP, EV)	01 → 05	WP24	WP14	-	WP24F	WP14F
CIVIC VII Notchback (ES)	01 → 05	WP24	WP14	-	WP24F	WP14F
CR-V I (RD)	95 → 02	WP19	WP19	-	WP19F	WP19F
CR-V II (RD_)	02 → 06	WP21	WP20	-	WP21F	WP20F
CR-V III	06 →	WP26	WP16	-	WP26F	WP16F
FR-V (BE)	05 →	WP26	WP19	-	WP26F	WP19F
HR-V (GH)	99 → 05	WP20	WP16	-	WP20F	WP18F
INSIGHT (ZE)	00 → 06	WP20	WP18	-	WP20F	WP18F
INTEGRA Coupe (DC2, DC4)	93 → 01	WP20	WP18	-	WP20F	WP18F
JAZZ II (GD)	02 → 08	WP21	WP13	-	WP21F	WP13F
JAZZ III (GE)	08 →	WP26	WP16	-	WP26F	WP16F
LEGEND II (KA7)	91 → 96	WP21	WP19	-	WP21F	WP19F
LEGEND II Coupe (KA8)	91 → 96	WP21	WP19	-	WP21F	WP19F

**HONDA**

LOGO (GA3)	99 → 02	WP20	WP16	–	WP20F	WP18F
NSX Coupe (NA)	90 → 05	WP20	WP20	–	WP20F	WP20F
PRELUDE IV (BB)	92 → 97	WP21	WP19	–	WP21F	WP19F
PRELUDE V (BB)	96 → 00	WP21	WP19	–	WP21F	WP19F
S2000 (AP)	99 → 03	–	–	–	WP16F	WP20F
SHUTTLE (RA)	97 → 04	WP22	WP22	–	WP22F	WP22F
STREAM (RN)	01 →	WP24	WP14	–	WP24F	WP14F

HYUNDAI

ACCENT I (X-3)	94 → 00	WP20	WP18	–	WP20F	WP18F
ACCENT II (LC)	00 →	WP20	WP18	–	WP20F	WP18F
ATOS (MX)	01 →	WP20	WP16	WP14	WP20F	WP16F
ATOS PRIME (MX)	99 → 08	WP20	WP16	WP14	WP20F	WP16F
COUPE (GK)	01 →	WP22	WP18	–	WP22F	WP18F
COUPE (RD)	96 → 02	WP22	–	–	WP22F	WP18F
ELANTRA (XD)	00 →	WP20	WP18	–	WP20F	WP18F
ELANTRA Notchback (XD)	00 →	WP20	WP18	–	WP20F	WP18F
GALLOPER II (JK-01)	98 →	–	–	–	WP16F	WP16F
GETZ (TB)	02 →	WP22	WP14	WP14	WP22F	WP13F
GRANDEUR (TG)	05 →	–	–	–	WP24F	WP20F
H-1	97 → 07	–	–	–	WP26F	WP20F
H100	93 → 00	WP20	WP18	–	WP20F	WP18F
i10	07 →	WP22	WP16	–	WP22F	WP16F
i20 (PB, PBT)	09 →	WP24	WP16	–	WP24F	WP16F
i30	07 →	–	–	–	WP24F	WP18F
ix55	08 →	–	–	–	WP24F	WP20F
LANTRA II (J-2)	95 → 00	WP20	WP18	–	WP20F	WP18F
MATRIX (FC)	08 →	WP22	WP16	–	WP22F	WP16F
SANTA FE I (SM)	00 → 06	WP22	WP20	–	WP22F	WP20F
SANTA FE II (CM)	04 →	WP24	WP18	–	WP24F	WP18F
SONATA III (Y-3)	93 → 98	WP20	WP20	–	WP20F	WP20F
SONATA IV (EF)	98 → 01	WP20	WP20	–	WP20F	WP20F
SONATA V (NF)	05 →	WP24	WP20	–	WP24F	WP20F
TERRACAN (HP)	01 →	WP22	WP20	–	WP22F	WP20F
TRAJET (FO)	00 →	WP26	WP22	–	WP26F	WP22F
TUCSON (JM)	04 →	WP24	WP16	–	WP24F	WP16F
XG (XG)	99 → 03	WP22	WP20	–	WP22F	WP20F

JAGUAR

S-TYPE (CCX)	99 → 04	–	–	–	WP22F	WP22F
XF (_J05_, CC9)	08 →	–	–	–	WP23F	WP19F
XJ (NAW, NBW)	97 →	–	–	–	WP21F	–
XK 8 Convertible (QDV)	98 →	WP21	WP21	–	WP21F	WP21F
XK 8 Coupe (QEV)	98 →	WP21	WP21	–	WP21F	WP21F
X-TYPE (CF1)	01 →	–	–	–	WP22F	WP18F
X-TYPE Estate	03 →	WP22	WP18	–	WP22F	WP18F

JEEP

CHEROKEE (KJ)	01 →	WP19	WP19	–	WP19F	WP19F
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**JEEP**

CHEROKEE (KK)	08 →	-	-	-	WP19F	WP19F
COMMANDER	06 →	WP18	WP18	-	WP18F	WP18F
COMPASS	06 →	WP22	WP20	-	WP22F	WP20F
GRAND CHEROKEE I (ZJ)	91 → 99	WP21	WP21	-	WP21F	WP21F
GRAND CHEROKEE II (WJ, WG)	00 →	WP21	WP21	-	WP21F	WP21F
GRAND CHEROKEE III (WH)	05 →	WP21	WP21	-	WP21F	WP21F
PATRIOT	06 →	WP21	WP21	-	WP21F	WP21F
WRANGLER II (TJ)	97 →	WP14	WP14	WP18	-	-
WRANGLER III (JK)	07 →	WP14	WP14	-	-	-

KIA

BESTA	96 →	WP18	WP18	-	WP18F	WP18F
CARENS I (FC)	99 → 02	WP24	WP19	-	WP24F	WP19F
CARENS II (FJ)	06 → 07	WP24	WP18	-	WP24F	WP18F
CARENS III (UN)	06 →	WP26	WP16	-	WP26F	WP16F
CARNIVAL (UP)	98 → 01	WP24	WP24	WP18	WP24F	WP24F
CARNIVAL II (GQ)	01 →	WP24	WP24	WP18	WP24F	WP24F
CARNIVAL III (VQ)	06 →	WP26	WP18	-	WP24F	WP18F
CEE' D Kombi (ED)	06 →	WP24	WP18	-	WP24F	WP18F
CEE' D Hatchback (ED)	06 →	WP24	WP18	-	WP24F	WP18F
CERATO (LD)	04 →	WP24	WP14	-	WP24F	WP16F
CERATO Notchback (LD)	04 →	WP24	WP14	-	WP24F	WP16F
CLARUS (K9A)	96 →	WP21	WP19	-	WP21F	WP19F
CLARUS Kombi (GC)	98 →	WP21	WP19	-	WP21F	WP19F
JOICE	00 →	-	-	-	WP22F	WP18F
MAGENTIS (GD)	01 →	WP22	WP18	-	WP22F	WP18F
MAGENTIS (MG)	06 →	WP24	WP18	-	WP24F	WP18F
OPIRUS (GH)	03 →	WP24	WP18	-	WP24F	WP18F
PICANTO (BA)	04 →	WP22	WP16	-	WP22F	WP16F
PREGIO (TB)	97 →	WP21	WP18	WP18	WP21F	WP18F
PRIDE (DA)	90 →	WP18	WP18	WP15	WP18F	WP18F
RIO (DC_)	00 → 05	WP21	WP18	-	WP21F	WP16F
RIO II (JB)	05 →	WP22	WP16	WP14	WP22F	WP16F
RIO II Notchback (JB)	05 →	WP22	WP18	-	WP22F	WP16F
RIO Kombi (DC)	02 → 05	WP21	WP18	-	WP21F	WP18F
SEPHIA (FA)	92 → 00	WP21	WP19	WP18	WP21F	WP19F
SEPHIA Notchback (FA)	92 → 00	WP21	WP19	-	WP21F	WP19F
SHUMA (FB)	96 → 01	WP21	WP19	WP19	WP21F	WP19F
SHUMA Notchback (FB)	96 → 01	WP21	WP19	-	WP21F	WP19F
SHUMA II (FB)	01 → 04	WP21	WP19	WP19	WP21F	WP19F
SHUMA II Notchback (FB)	01 → 04	WP21	WP19	-	WP21F	WP19F
SORENTO (JC)	02 →	WP24	WP18	WP14	WP24F	WP18F
SORENTO (XM)	09 →	WP24	WP18	WP14	-	-
SOUL (AM)	09 →	WP24	WP19	-	WP24F	WP20F
SPORTAGE (K00)	93 → 03	WP20	WP20	-	WP20F	WP20F
SPORTAGE (JE_)	04 →	WP24	WP16	-	WP24F	WP16F
SPORTAGE (SL)	10 →	-	-	-	WP24F	WP16F

**LADA**

110	96 →	–	–	–	WP20F	WP20F
111	95 →	–	–	–	WP20F	WP20F
112	95 →	–	–	–	WP20F	WP20F
KALINA	04 →	WP24	WP18	–	WP24F	WP18F

LANCIA

DEDRA SW (835)	94 → 99	WP21	WP19	–	WP21F	WP19F
DELTA II (836)	93 → 99	WP21	WP19	–	WP21F	WP19F
DELTA III (844)	08 →	–	–	–	WP24F	WP18F
KAPPA (838A)	94 → 01	WP24	WP21	–	WP24F	WP21F
LYBRA (839AX)	99 → 06	WP22	WP21	–	WP22F	WP21F
LYBRA SW (839BX)	99 → 06	WP22	WP21	–	WP22F	WP21F
MUSA (350)	04 → 07	WP22	WP16	–	WP22F	WP16F
MUSA (350)	07 →	WP23	WP15	–	WP23F	WP16F
PHEDRA (179)	02 →	–	–	–	WP26F	WP26F
Y (840A)	96 → 03	WP23	WP16	–	WP22F	WP16F
YPSILON (843)	03 →	WP24	WP16	–	WP24F	WP16F
ZETA (220)	94 → 02	WP26	WP20	–	WP26F	WP20F

LANDROVER

DEFENDER	90 →	WP14	WP14	–	WP14F	WP14F
DISCOVERY I (LJ, LG)	89 → 98	WP18	WP18	WP14	WP18F	WP18F
DISCOVERY II (LJ, LT)	98 → 04	WP21	WP21	–	WP21F	WP21F
DISCOVERY III (TAA)	04 →	–	–	–	WP22F	WP22F
FREELANDER (LN)	97 → 07	WP22	WP21	–	WP22F	WP21F
FREELANDER 2 (FA_)	06 →	–	–	–	WP24F	WP20F
RANGE ROVER I (AE, AN, HAA, HAB, HAM, HBM, RE, RN)	88 → 96	WP18	WP18	WP18	WP18F	WP18F
RANGE ROVER II (LP)	94 → 02	WP22	WP22	–	WP22F	WP22F
RANGE ROVER SPORT (LS)	05 →	–	–	–	WP22F	WP22F

LEXUS

GS (GWS_, GRS_, UZS_)	97 → 05	WP24	WP19	–	WP24F	WP19F
RX (AGL1_, GGL1_, GYL1_)	98 → 03	WP24	WP22	–	WP24F	WP22F

MAZDA

121 II (DB)	93 → 95	WP20	WP16	–	WP20F	WP16F
121 III (JASM, JBSM)	96 → 99	WP19	WP19	–	WP19F	WP19F
2 (DE)	07 →	WP24	WP14	–	WP24F	WP13F
2 (DY)	03 → 07	WP24	WP16	–	WP24F	WP16F
3 (BK)	03 → 08	–	–	–	WP21F	WP19F
3 (BL)	09 →	–	–	–	WP24F	WP19F
323 C IV (BG)	91 → 96	WP21	WP18	–	WP21F	WP18F
323 C V (BA)	94 → 98	WP21	WP18	–	WP21F	WP18F
323 F IV (BG)	89 → 97	WP21	WP18	–	WP21F	WP18F
323 F V (BA)	94 → 98	WP21	WP19	–	WP21F	WP18F
323 F VI (BJ)	98 → 04	WP21	WP18	WP14	WP21F	WP19F
323 P V (BA)	96 →	WP21	WP19	WP19	WP21F	WP19F
323 S V (BA)	94 → 98	WP21	WP18	–	–	–
323 S VI (BJ)	98 → 04	WP21	WP19	–	WP21F	WP19F

**MAZDA**

5 (CR19)	05 →	WP26	WP16	–	WP26F	WP16F
6 (GG)	02 → 07	WP22	WP18	–	WP22F	WP18F
6 Hatchback (GG)	02 → 07	WP22	WP18	–	WP22F	WP18F
6 (GH)	07 →	WP24	WP16	–	WP24F	WP16F
6 Sport (GH)	07 →	WP24	WP16	–	WP24F	WP16F
6 Sport Kombi (GH)	08 →	WP24	WP16	–	WP24F	WP16F
626 IV (GE)	92 → 97	WP21	WP20	–	WP21F	WP20F
626 V (GF)	97 → 02	WP21	WP19	–	WP21F	WP18F
626 V Hatchback (GF)	97 → 99	WP21	WP19	–	WP21F	WP18F
626 V Station Wagon (GW)	97 → 99	WP21	WP19	–	WP21F	WP18F
B-SERIE (UN)	96 → 06	WP18	WP18	–	WP18F	WP18F
BT-50 (CD)	06 →	WP18	WP18	–	WP18F	WP18F
CX-7 (ER)	06 →	WP26	WP16	–	WP26F	WP16F
DEMIO (DW)	96 → 03	WP20	WP16	–	WP20F	WP16F
MPV I (LV)	94 → 99	WP22	WP20	–	WP22F	WP20F
MPV II (LW)	99 → 04	WP24	WP24	–	WP24F	WP24F
MX-3 (EC)	91 → 99	WP21	WP18	–	WP21F	WP18F
MX-5 I (NA)	93 → 97	WP18	WP18	–	WP18F	WP18F
MX-5 II (NB)	98 → 05	WP18	WP18	–	WP18F	WP18F
MX-5 III (NC)	05 →	WP18	WP18	–	WP18F	WP18F
MX-6 (GE)	91 → 97	WP20	WP20	–	WP20F	WP20F
PREMACY (CP)	99 → 05	WP24	WP16	WP14	WP24F	WP16F
RX 7 III (FD)	92 →	WP20	WP20	WP18	WP20F	WP20F
RX 8 (SE17)	03 →	WP20	WP18	–	WP20F	WP18F
TRIBUTE (EP)	01 →	WP19	WP19	–	WP19F	WP19F
XEDOS 6 (CA)	92 → 99	WP21	WP20	–	WP21F	WP20F
XEDOS 9 (TA)	93 → 02	WP21	WP20	–	WP21F	WP20F

MERCEDES-BENZ

A-KLASSE (W168)	97 → 04	WP26	WP22	WP14	WP26F	WP22F
A-KLASSE (W169)	04 →	–	–	–	WP26F	WP23F
B-KLASSE (W245)	05 →	–	–	–	WP26F	WP23F
C-KLASSE (202)	93 → 00	–	–	–	WP24F	–
C-KLASSE (203)	00 → 03	–	–	–	WP24F	WP22F
C-KLASSE (203)	03 → 07	–	–	–	WP22F	WP22F
C-KLASSE (204)	07 →	–	–	–	WP24F	WP24F
CLK (208)	96 → 02	–	–	–	WP24F	–
CLK (209)	02 →	–	–	–	WP22F	WP22F
CLK Cabriolet (A208)	96 → 03	–	–	–	WP24F	–
CLS (C219)	04 → 10	–	–	–	WP26F	WP26F
E-KLASSE (124)	93 → 98	–	–	–	WP24F	–
E-KLASSE (210)	95 → 03	–	–	–	WP26F	–
E-KLASSE (211)	02 →	–	–	–	WP26F	WP26F
E-KLASSE (W212)	08 →	–	–	–	WP24F	WP24F
E-KLASSE (124)	93 → 98	–	–	–	WP26F	–
E-KLASSE Kombi (S210)	96 → 03	–	–	–	WP26F	–
E-KLASSE Kombi (S211)	03 → 09	–	–	–	WP26F	WP26F

**MERCEDES-BENZ**

G-KLASSE (W461)	92 →	-	-	-	WP16F	WP16F
G-KLASSE (W463)	89 →	-	-	-	WP16F	WP16F
GLK-KLASSE (X204)	08 →	-	-	-	WP22F	WP19F
GL-KLASSE (X164)	06 →	-	-	-	WP28F	WP21F
M-KLASSE (W163)	98 → 05	WP22	WP22	-	WP22F	WP22F
M-KLASSE (W164)	05 →	-	-	-	WP28F	WP21F
R-KLASSE (W251, V251)	06 →	-	-	-	WP28F	WP21F
S-KLASSE (W221)	05 →	-	-	-	WP28F	WP28F
SL (R129)	93 → 01	-	-	-	WP24F	-
SL (R230)	01 →	-	-	-	WP26F	WP26F
SLK (R170)	96 → 04	WP22	WP22	-	WP22F	WP22F
SLK (R171)	04 →	WP24	WP22	-	WP24F	WP22F
SPRINTER (901, 902)	95 → 06	WP24	WP22	-	WP24F	WP22F
SPRINTER (906)	06 →	-	-	-	WP26F	WP24F
VANEO (414)	02 → 04	WP26	WP23	-	WP26F	WP24F
VITO Bus (639)	03 →	-	-	-	WP28F	WP26F

MG

MG ZR	01 → 05	WP18	WP18	WP18	WP18F	WP18F
MG ZS	01 → 05	WP20	WP18	-	WP20F	WP18F
MG ZT / ZT-T	01 → 05	WP22	WP22	-	WP22F	WP22F

MINI

MINI (R50, R53)	01 → 06	WP18	WP19	-	WP18F	WP19F
MINI (R56)	06 →	WP18	WP19	-	WP18F	WP19F
MINI Cabriolet (R52, R57)	04 →	WP18	WP19	-	WP18F	WP19F
MINI CLUBMAN (R55)	07 →	WP18	WP19	-	WP18F	WP19F

MITSUBISHI

3000 GT (Z16A)	92 → 99	WP21	WP20	-	WP21F	WP20F
CARISMA (DA_)	96 → 03	WP21	WP20	-	WP21F	WP20F
COLT V (CJ_A)	95 → 03	WP21	WP19	WP14	WP21F	WP19F
COLT VI (Z_)	04 →	-	-	-	WP26F	WP12F
ECLIPSE (D2/D3)	89 →	-	-	-	WP20F	WP20F
GALANT V (E5_A, E7_A, E8_A)	92 → 96	WP22	WP19	WP21	WP22F	WP19F
GALANT VI (EA_)	96 → 04	WP22	WP18	-	WP22F	WP18F
GALANT VI Station Wagon (EA_)	00 → 03	-	-	-	-	WP18F
GRANDIS (NA_W)	04 →	-	-	-	WP28F	WP22F
L 200 (K_T)	96 →	-	-	-	WP21F	WP19F
L 200 (KB_T, KA_T)	05 →	WP22	WP19	-	WP22F	WP19F
L 300 (P0_W, P1_W, P2_W)	87 → 96	WP18	WP18	WP14	WP18F	WP18F
LANCER (CS_W)	03 → 07	WP24	WP18	-	WP24F	WP18F
LANCER (CY/Z_A)	08 →	-	-	-	WP24F	WP16F
LANCER V Station Wagon (CB_W, CD_W)	92 →	-	-	-	-	WP18F
MIRAGE Coupe	91 → 95	-	-	-	WP20F	WP18F
OUTLANDER I (CU_)	03 →	WP22	WP18	-	WP22F	WP18F
OUTLANDER II (CW_W)	06 →	WP24	WP21	-	WP24F	WP20F
PAJERO	90 → 06	WP19	WP19	-	WP19F	WP19F
PAJERO	06 →	WP22	WP22	-	WP22F	WP20F

**MITSUBISHI**

SPACE RUNNER (N1_W, N2_W)	91 → 99	WP22	WP18	-	WP22F	WP18F
SPACE RUNNER (N50)	99 →	WP22	WP18	-	WP22F	WP18F
SPACE STAR (DG0)	98 →	WP21	WP18	WP14	WP21F	WP18F
SPACE WAGON	92 → 00	WP21	WP20	-	WP21F	WP20F

NISSAN

200 SX (S14)	93 → 99	-	-	-	WP21F	WP20F
200 SX (S15)	00 → 03	-	-	-	WP21F	WP20F
300 ZX (Z32)	90 → 95	WP21	WP20	WP19	WP21F	WP20F
350 Z (Z33)	03 →	WP20	WP18	-	WP20F	WP18F
ALMERA I (N15)	95 → 00	WP21	WP19	-	WP21F	WP19F
ALMERA II (N16)	00 → 06	WP22	WP16	-	WP22F	WP16F
ALMERA TINO (V10)	00 → 05	WP26	WP18	-	WP26F	WP18F
INTERSTAR (X70)	02 →	-	-	-	WP24F	WP24F
KUBISTAR (X76)	03 →	-	-	-	WP20F	WP20F
MAXIMA QX III (A32)	94 → 99	WP22	WP21	-	WP22F	WP21F
MICRA (K10, K11, K12)	92 →	WP21	WP18	-	WP21F	WP18F
NAVARA (D40)	05 →	WP24	WP19	-	WP24F	WP19F
NOTE (E11)	06 →	WP24	WP14	-	WP24F	WP14F
PATHFINDER (R50)	97 → 04	WP22	WP21	-	WP22F	WP20F
PATHFINDER (R51)	05 →	WP24	WP19	-	WP24F	WP19F
PATROL GR I (Y60, GR)	89 → 98	WP18	WP18	-	WP18F	WP18F
PATROL GR II (Y61)	98 →	WP20	WP20	-	WP20F	WP19F
PICK UP (D21)	87 → 98	WP19	WP19	-	WP19F	WP19F
PICK UP (D22)	97 →	WP19	WP19	-	WP19F	WP19F
PIXO (UA0)	09 →	WP21	WP14	-	WP21F	WP13F
PRIMASTAR (X83)	02 →	WP24	WP21	-	WP24F	WP21F
PRIMERA (P10)	90 → 96	WP21	WP19	-	WP21F	WP19F
PRIMERA (P11)	96 → 01	WP21	WP20	-	WP21F	WP20F
PRIMERA (P12)	02 →	WP26	WP19	-	WP26F	WP19F
PRIMERA Traveller (W10)	90 → 97	WP21	WP18	WP14	WP21F	WP18F
PRIMERA Traveller (WP11)	98 → 01	WP21	WP20	-	WP21F	WP20F
PRIMERA Traveller (WP12)	02 →	WP26	WP19	-	WP26F	WP19F
PULSAR I Notchback (N15)	95 → 00	-	-	-	WP20F	WP20F
QASHQAI (J10, JJ10)	07 →	-	-	-	WP24F	WP15F
SERENA (C23M)	92 → 01	WP24	WP24	-	WP24F	WP24F
SERENA (C24)	01 → 05	WP24	WP24	-	WP24F	WP24F
TERRANO II (R20)	96 → 06	WP21	WP20	WP11	WP21F	WP20F
TIIDA (C11X)	07 →	WP24	WP14	-	WP24F	WP13F
TRADE Bus	83 → 00	-	-	-	WP20F	WP20F
URVAN (E23, E24)	86 → 97	WP19	WP19	-	WP18F	WP18F
VANETTE CARGO Bus (HC 23)	94 → 01	WP24	WP24	-	WP24F	WP24F
X-TRAIL (T30)	01 →	WP24	WP15	-	WP24F	WP15F
X-TRAIL (T31)	07 →	WP24	WP15	-	WP24F	WP15F

OPEL

AGILA (H00)	00 → 08	WP20	WP18	-	WP20F	WP18F
AGILA (H08)	08 →	WP22	WP16	-	WP22F	WP16F

**OPEL**

ANTARA	06 →	WP24	WP16	–	WP24F	WP16F
ARENA	98 → 01	–	–	–	WP20F	WP20F
ASTRA F	91 → 98	WP18	WP18	–	WP18F	WP18F
ASTRA G	97 → 05	WP20	WP19	–	WP20F	WP19F
ASTRA H	04 →	WP22	WP18	–	WP22F	WP18F
CALIBRA A (85_)	90 → 97	WP19	WP19	WP19	WP19F	WP19F
CAMPO (TF_)	91 → 97	WP18	WP18	–	WP20F	WP20F
COMBO (71_)	94 → 01	WP18	WP18	–	WP18F	WP18F
COMBO Tour	01 →	–	–	–	WP20F	WP16F
CORSA A CC (93_, 94_, 98_, 99_)	82 → 94	WP16	WP16	–	WP16F	WP16F
CORSA B (73_, 78_, 79_)	93 → 00	WP18	WP18	WP14	WP18F	WP18F
CORSA C (F08, F68)	00 →	WP20	WP18	–	WP20F	WP18F
CORSA D	06 →	–	–	–	WP26F	WP16F
FRONTERA (A, B)	91 → 94	WP19	WP19	–	WP19F	WP19F
GT Cabriolet	07 →	–	–	–	WP16F	WP22F
INSIGNIA	08 →	–	–	–	WP24F	WP18F
MERIVA	03 → 10	WP24	WP24	–	WP24F	WP24F
MONTEREY (A, B)	91 → 98	WP20	WP20	WP14	WP20F	WP20F
OMEGA B (25_, 26_, 27_)	93 → 03	WP24	WP19	–	WP24F	WP19F
SIGNUM	03 → 08	WP24	WP19	–	WP24F	WP19F
SINTRA	96 → 99	WP24	WP24	–	WP24F	WP24F
TIGRA (95_)	94 → 99	WP18	WP18	–	WP18F	WP18F
TIGRA TwinTop	04 →	WP20	WP18	–	WP20F	WP18F
VECTRA A	88 → 95	WP19	WP19	–	WP19F	WP19F
VECTRA B	95 → 02	WP19	WP19	–	WP19F	WP19F
VECTRA C	02 → 08	WP24	WP19	–	WP24F	WP19F
VIVARO (J7)	01 →	WP24	WP21	–	WP24F	WP21F
ZAFIRA A	99 → 05	WP24	WP22	–	WP24F	WP22F
ZAFIRA B	05 →	–	–	–	WP28F	WP22F

PEUGEOT

107	05 →	–	–	–	WP26F	–
1007 (KM_)	05 →	–	–	–	WP24F	WP18F
106 I (1A, 1C)	91 → 96	WP20	WP18	–	WP20F	WP18F
106 II (1)	96 → 04	WP20	WP18	–	WP20F	WP18F
206 (CC, +)	00 → 07	WP26	WP16	–	WP26F	WP16F
207 (CC, SW)	06 →	–	–	–	WP26F	WP17F
306 (7B, N3, N5, Break)	93 → 02	WP22	WP20	–	WP22F	WP20F
307 (CC, T5, T6, Break, SW)	00 → 07	WP28	WP26	–	WP28F	WP26F
4007 (GP_)	07 →	WP24	WP21	–	WP24F	WP21F
406	00 → 04	WP24	WP22	–	WP24F	WP22F
407	04 →	–	–	–	WP28F	WP28F
607 (9D, 9U)	00 →	–	–	–	WP26F	WP21F
806 (221)	00 → 02	WP26	WP20	–	WP26F	WP20F
807 (E)	05 →	WP26	WP26	–	WP26F	WP26F
BIPPER Tepee	08 →	–	–	–	WP26F	WP19F
BOXER	94 → 06	WP22	WP22	–	WP22F	WP22F

**PEUGEOT**

BOXER (U9)	06	-	-	-	WP26F	WP22F
EXPERT (224)	95 →	WP26	WP20	-	WP26F	WP20F
PARTNER (M4)	96 → 02	WP22	WP22	-	WP22F	WP22F
PARTNER (M5)	02 →	WP22	WP22	-	WP22F	WP22F
PARTNER (B9)	08 →	-	-	-	WP26F	WP16F

PORSCHE

911 (993)	93 → 97	WP18	WP16	-	WP18F	WP15F
911 (996, 997)	97 →	WP22	WP22	-	WP22F	WP22F
BOXSTER (986, 987)	96 → 09	WP22	WP22	-	WP22F	WP22F
CAYENNE (955)	02 →	-	-	-	WP26F	WP26F
CAYMAN (987)	05 → 09	-	-	-	WP22F	WP22F

RENAULT

AVANTIME (DE0_)	01 → 03	-	-	-	WP26F	WP18F
CLIO I	90 → 98	WP18	WP18	-	WP18F	WP18F
CLIO II	98 → 07	WP21	WP18	-	WP21F	WP18F
CLIO III	05 →	-	-	-	WP24F	WP16F
CLIO Grandtour (KR0/1_)	08 →	-	-	-	WP24F	WP16F
KANGOO (KC0/1_)	97 → 07	WP20	WP20	-	WP20F	WP20F
KANGOO (KW0/1_)	08 →	WP22	WP22	-	WP22F	WP22F
KOLEOS (HY_)	08 →	-	-	-	WP24F	WP19F
LAGUNA I	95 → 01	WP26	WP16	-	WP26F	WP16F
LAGUNA II	01 → 07	WP24	WP20	-	WP24F	WP20F
LAGUNA III (BT0/1)	07 →	-	-	-	WP26F	WP16F
MEGANE I	96 → 03	WP22	WP20	-	WP22F	WP20F
MEGANE II	02 → 08	WP24	WP18	-	WP24F	WP18F
MEGANE III	08 →	-	-	-	WP24F	WP16F
MEGANE CC (EZ0/1_)	10 →	-	-	-	WP24F	WP16F
MODUS (F/JP0_)	04 →	-	-	-	WP28F	WP26F
SAFRANE I (B54_)	92 → 00	-	-	-	WP24F	WP24F
SCENIC I (JA0/1_)	96 → 03	WP24	WP16	-	WP24F	WP16F
SCENIC II (JM0/1_)	03 →	-	-	-	WP26F	WP22F
SCENIC III (JZ0/1_)	09 →	-	-	-	-	WP26F
THALIA (LB0/1/2_)	99 → 07	WP21	WP18	-	WP21F	WP19F
TRAFIC	80 → 97	WP18	WP18	-	WP18F	WP18F
TRAFIC	89 → 01	WP20	WP20	-	WP20F	WP20F
TRAFIC II (EL, FL, JL)	01 →	WP24	WP21	-	WP24F	WP21F
TWINGO (C06_)	93 → 07	-	-	-	WP26F	-
TWINGO (CN0_)	07 →	-	-	-	WP24F	WP16F

ROVER

100	90 → 98	WP16	WP16	-	WP16F	WP16F
200	89 → 00	WP18	WP18	-	WP18F	WP18F
25	00 → 05	WP18	WP18	WP18	WP18F	WP18F
400	95 → 00	WP20	WP18	-	WP20F	WP18F
45	00 → 05	WP18	WP18	WP18	WP20F	WP18F
600 (RH)	93 → 00	WP22	WP20	-	WP22F	WP20F
75	01 → 05	WP22	WP22	-	WP22F	WP22F

**ROVER**

800	91 → 99	WP20	WP20	–	WP20F	WP20F
MINI MK I	90 → 00	WP11	WP11	–	–	–

SAAB

9000	92 → 98	WP21	WP21	–	WP21F	WP21F
900 II	93 → 98	WP21	WP21	–	WP21F	WP21F
9-3 (9400)	98 → 03	WP21	WP21	–	WP21F	WP20F
9-3 (9440)	02 →	WP23	WP23	–	WP23F	WP23F
9-5 (YS3E)	97 →	–	–	–	WP22F	WP22F
9-5 (YS3E)	07 →	–	–	–	WP24F	WP23F

SEAT

AROSA (6H)	99 → 04	WP21	WP19	–	–	–
CORDOBA (6K2/C2)	93 → 02	WP21	WP18	–	WP21F	WP18F
CORDOBA (6L2)	02 → 05	WP21	WP18	–	WP21F	WP18F
EXEO (3R2, 3R5)	08 →	–	–	–	WP22F	WP22F
IBIZA (6K1)	93 → 02	WP21	WP18	WP14	WP21F	WP18F
IBIZA (6L1)	01 → 06	WP21	WP18	WP14	WP21F	WP18F
IBIZA V (6J1)	08 →	–	–	–	WP24F	WP16F
INCA (6K9)	95 → 03	WP21	WP18	WP18	WP21F	WP18F
LEON (1M1)	98 → 06	WP21	WP18	–	WP21F	WP18F
LEON (1P1)	05 →	–	–	–	WP26F	WP26F
MARBELLA (28)	87 → 98	–	–	–	WP16F	–
TERRA (24)	87 → 94	–	–	–	WP16F	–
TOLEDO I (1L)	91 → 99	WP20	WP20	–	WP20F	WP20F
TOLEDO II (1M2)	99 → 04	WP21	WP18	–	WP21F	WP18F

SKODA

FABIA (6Y)	99 → 06	–	–	–	WP21F	WP19F
FABIA (5J)	06 →	–	–	–	WP21F	WP21F
FAVORIT (781)	88 → 94	WP18	WP18	–	WP18F	WP18F
FAVORIT (785)	94 → 98	WP21	WP19	–	WP20F	WP20F
FELICIA I (6U1)	94 → 01	WP21	WP19	–	WP20F	WP20F
OCTAVIA (1U)	00 →	–	–	–	WP21F	WP18F
OCTAVIA (1Z)	04 →	–	–	–	WP24F	WP19F
ROOMSTER (5J)	06 →	–	–	–	WP21F	WP21F
SUPERB (3U4)	01 → 08	–	–	–	WP21F	WP21F
SUPERB (3T4)	08 →	–	–	–	WP24F	WP18F

SMART

SMART CABRIO (450)	00 → 04	WP21	WP21	–	WP21F	WP21F
SMART COUPE (450)	98 → 04	WP21	WP21	–	WP21F	WP21F
FORFOUR (454)	04 → 07	WP26	WP18	–	WP26F	WP18F
FORTWO Cabrio (450)	04 → 07	WP21	WP21	–	WP21F	WP21F
FORTWO Cabrio (451)	07 →	–	–	–	WP24F	WP22F
FORTWO Coupe (450)	04 → 07	WP21	WP21	–	WP21F	WP21F
FORTWO Coupe (451)	07 →	–	–	–	WP24F	WP22F
ROADSTER (452)	03 → 05	WP20	WP18	–	WP20F	WP18F

SSANGYONG

KORANDO (KJ)	96 → 05	WP18	WP18	–	WP18F	WP18F
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**SSANGYONG**

KYRON	05 →	WP22	WP19	–	WP22F	WP19F
MUSSO (FJ)	03 → 05	WP20	WP18	–	WP20F	WP18F
REXTON (GAB_)	02 →	WP20	WP20	–	WP20F	WP20F
RODIUS	05 →	WP24	WP18	WP11	WP24F	WP18F

SUBARU

FORESTER (SF, SG)	97 → 07	WP21	WP19	WP14	WP21F	WP19F
FORESTER (SH)	07 →	WP24	WP18	–	WP24F	WP18F
IMPREZA (GC, GF)	93 → 00	WP21	WP18	WP15	WP21F	WP18F
IMPREZA Station Wagon (GD, GG)	00 → 07	WP22	WP16	–	WP22F	WP16F
IMPREZA Hatchback (GR)	08 →	WP24	WP16	–	WP24F	WP16F
JUSTY II (JMA, MS)	95 → 03	WP21	WP18	WP15	WP21F	WP18F
JUSTY III (G3X)	03 →	WP19	WP18	–	WP19F	WP18F
LEGACY II (BD, BG)	94 → 98	WP21	WP19	–	WP21F	WP19F
LEGACY III (BE, BH)	98 → 03	WP22	WP20	–	WP22F	WP20F
LEGACY IV (BL, BP)	03 →	WP24	WP18	–	WP24F	WP18F
SVX (CX)	92 → 96	WP22	WP20	–	WP22F	WP20F

SUZUKI

ALTO IV (FF)	02 → 06	WP18	WP16	–	WP18F	WP16F
ALTO V (GF)	09 →	WP21	WP13	–	WP21F	WP13F
BALENO (EG)	95 → 05	WP20	WP18	–	WP20F	WP18F
CARRY	99 → 03	WP16	WP16	–	WP16F	WP16F
GRAND VITARA	98 → 08	WP19	WP19	–	WP19F	WP19F
IGNIS (FH)	00 → 07	WP19	WP18	WP14	WP19F	WP18F
JIMNY (FJ)	98 → 08	WP18	WP16	–	WP18F	WP16F
LIANA (ER)	01 → 07	WP22	WP18	–	WP22F	WP18F
SAMURAI (SJ)	84 → 04	WP11	WP11	–	–	–
SPLASH	08 →	WP22	WP16	–	WP22F	WP16F
SWIFT II (EA, MA)	96 → 04	WP21	WP18	WP15	WP21F	WP18F
SWIFT III (SG)	05 →	WP21	WP18	–	WP21F	WP18F
SX4 (GY)	06 →	WP26	WP14	–	WP26F	WP14F
WAGON R+ (EM)	96 → 00	WP20	WP18	–	WP20F	WP18F
WAGON R+ (MM)	00 → 06	WP20	WP18	–	WP20F	WP18F
X-90 (EL)	95 →	WP18	WP18	–	WP18F	WP18F

TATA

TELCOLINE (40_FD)	99 → 05	–	–	–	WP19F	WP19F
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TOYOTA

4 RUNNER	89 → 95	–	–	–	WP17F	WP17F
AURIS (_ZE15_, _RE15_)	06 →	WP26	WP16	–	WP26F	WP16F
AVENSIS (T22)	97 → 03	WP21	WP18	–	WP21F	WP18F
AVENSIS (T25)	03 →	WP24	WP16	–	WP24F	WP16F
AVENSIS VERSO (_ACM2_)	01 →	WP26	WP16	–	WP26F	WP16F
AYGO (B10)	05 →	WP26	–	–	WP26F	–
CAMRY (V1)	91 → 96	WP21	WP19	–	WP21F	WP19F
CAMRY (V2)	96 → 01	WP21	WP19	–	WP21F	WP19F
CAMRY (V3)	–	WP26	WP18	–	WP21F	–
CARINA E (_T19_)	92 → 97	WP21	WP19	–	WP21F	WP18F

**TOYOTA**

CELICA (_T20_)	93→99	WP21	WP19	–	WP21F	WP19F
CELICA (ZZT23_)	99→05	WP26	WP16	–	WP26F	WP16F
COROLLA (_E10_)	92→01	WP20	WP18	–	WP20F	WP18F
COROLLA (_E11_)	97→01	WP20	WP18	–	WP20F	WP18F
COROLLA (_E12J_, _E12T_)	01→	WP22	WP18	–	WP22F	WP18F
COROLLA Verso (_E12J_)	01→	WP26	WP16	–	WP26F	WP16F
HIACE	96→01	WP21	WP21	–	WP21F	WP21F
HIACE	01→06	WP21	WP21	–	WP21F	WP21F
HILUX (_N_)	88→98	WP17	WP17	–	WP17F	WP17F
HILUX (Raider)	98→02	WP18	WP18	–	WP18F	WP18F
HILUX	05 -	WP21	WP19	–	WP21F	WP19F
IQ (_GJ1_, AJ1)	09→	WP22	WP18	–	WP22F	WP18F
LAND CRUISER (J7)	84→01	WP17	WP17	–	WP17F	WP17F
LAND CRUISER (J8)	90→98	WP18	WP18	–	WP18F	WP18F
LAND CRUISER (J12_)	02→	WP22	WP21	–	WP22F	WP21F
LAND CRUISER 90 (_J9_)	96→	WP19	WP18	WP14	WP19F	WP18F
MR 2 II (_W2_)	89→05	WP20	WP19	–	WP20F	WP19F
MR 2 III (_W3_)	99→05	WP20	WP19	–	WP20F	WP19F
PASEO Cabriolet (EL54)	96→99	WP21	WP18	–	WP21F	WP18F
PICNIC (_XM10)	96→01	WP24	–	WP14	WP24F	WP16F
PREVIA	00→06	WP28	WP18	WP14	–	–
PRIUS	97→03	WP24	WP16	–	WP24F	WP16F
PRIUS	03→	WP26	WP16	–	WP26F	WP16F
RAV 4 I (SXA1_)	94→00	WP20	WP18	–	WP20F	WP18F
RAV 4 II (XA2)	00→05	WP24	WP19	–	WP24F	WP19F
RAV 4 III (ZSA_, ACA_, ACE_, ALA_, GSA3_)	05→	WP24	WP16	–	WP24F	WP16F
STARLET (_P8_)	89→96	WP19	WP17	–	WP19F	WP17F
STARLET (EP91)	96→99	WP20	WP18	–	WP20F	WP18F
SUPRA (JZA70, JZA80)	93→96	WP21	WP20	–	WP21F	WP20F
URBAN CRUISER (NCP11_)	09→	WP24	WP14	–	WP24F	WP13F
VERSO (_ZGR2_)	09→	WP26	WP16	–	WP26F	WP16F
YARIS (_P1_)	99→05	WP21	WP15	–	WP21F	WP15F
YARIS (_P9_)	05→	WP24	WP14	–	WP24F	WP14F

VAUXHALL

AGILA (MKI)	00→08	WP20	WP18	–	WP20F	WP18F
AGILA (MKII)	08→	WP22	WP16	–	WP22F	WP16F
ANTARA	06→	WP24	WP16	–	WP24F	WP16F
ARENA	98→01	–	–	–	WP20F	WP20F
ASTRA Mk III (F)	91→98	WP18	WP18	–	WP18F	WP18F
ASTRA Mk IV (G)	97→05	WP22	WP18	–	WP22F	WP18F
ASTRA Mk V (H) CC	04→	WP22	WP18	–	WP22F	WP18F
CALIBRA	90→97	WP19	WP19	WP19	WP19F	WP19F
COMBO Mk I (B)	94→01	WP18	WP18	–	WP18F	WP18F
COMBO Mk II (C)	01→	WP18	WP18	WP14	WP18F	WP18F
CORSA Mk II (B)	93→00	WP18	WP18	WP14	WP18F	WP18F
CORSA Mk III (C)	00→	WP20	WP18	–	WP20F	WP18F

**VAUXHALL**

FRONTERA (MKI, MKII)	91 → 94	WP19	WP19	-	WP19F	WP19F
INSIGNIA	08 →	-	-	-	WP24F	WP18F
MERIVA	03 → 10	WP24	WP24	-	WP24F	WP24F
MONTEREY (MKI, MKII)	91 → 98	WP20	WP20	WP14	WP20F	WP20F
MOVANO Mk I (A)	01 → 09	-	-	-	WP24F	WP24F
OMEGA B	93 → 03	WP24	WP19	-	WP24F	WP19F
SIGNUM	03 → 08	WP24	WP19	-	WP24F	WP19F
SINTRA	96 → 99	WP24	WP24	-	WP24F	WP24F
TIGRA (95_)	94 → 99	WP18	WP18	-	WP18F	WP18F
TIGRA TwinTop	04 →	WP20	WP18	-	WP20F	WP18F
VECTRA A	88 → 95	WP19	WP19	-	WP19F	WP19F
VECTRA B	95 → 02	WP19	WP19	-	WP19F	WP19F
VECTRA C	02 → 08	WP24	WP19	-	WP24F	WP19F
VIVARO Combi (J7)	01 →	WP24	WP21	-	WP24F	WP21F
ZAFIRA A	99 → 05	WP24	WP22	-	WP24F	WP22F
ZAFIRA B	05 →	-	-	-	WP28F	WP22F

VOLVO

850	91 → 98	WP21	WP21	-	WP21F	WP21F
940	90 → 98	WP20	WP20	WP14	WP20F	WP20F
960	90 → 98	WP21	WP21	-	WP21F	WP21F
C30	06 →	-	-	-	WP26F	WP20F
C70 I	98 → 06	WP21	WP21	-	WP21F	WP21F
C70 II	06 →	-	-	-	WP26F	WP19F
S40 I (VS)	95 → 00	WP20	WP19	-	WP20F	WP20F
S40 I (VS)	95 → 04	WP21	WP20	-	WP21F	WP20F
S40 II (MS)	03 →	-	-	-	WP26F	WP20F
S60	00 → 04	-	-	-	WP24F	WP21F
S70	97 → 00	WP21	WP21	-	WP21F	WP21F
S80 (TS, XY)	98 → 04	WP24	WP21	-	WP24F	WP21F
S80 II	06 →	WP26	WP20	-	WP26F	WP20F
S90	97 → 98	WP21	WP21	-	WP21F	WP21F
V40	95 → 04	WP21	WP20	-	WP21F	WP20F
V50	04 →	-	-	-	WP26F	WP20F
V70 I	97 → 03	WP21	WP21	-	WP21F	WP21F
V70 II	00 → 07	WP24	WP21	-	WP24F	WP21F
V70 III	07 →	-	-	-	WP26F	WP20F
V90	96 → 97	WP21	WP21	-	WP21F	WP21F
XC 90	02 →	WP24	WP21	-	WP24F	WP21F
XC 60	09 →	-	-	-	WP26F	WP20F
XC 70 I	02 → 07	-	-	-	WP24F	WP21F
XC 70 II	07 →	-	-	-	WP26F	WP20F

VOLKSWAGEN

BORA (1J2, 1J6)	98 → 05	-	-	-	WP21F	WP19F
CADDY II (9K9)	95 → 03	WP21	WP18	WP18	WP21F	WP18F
CADDY II Pick-up (9U7)	96 → 00	WP21	WP18	-	WP21F	WP18F
CADDY III (2K)	04 →	-	-	-	WP24F	WP19F

**VOLKSWAGEN**

CRAFTER (2E_)	06 →	-	-	-	WP26F	WP24F
EOS (1F7, 1F8)	06 →	-	-	-	WP24F	WP19F
FOX (5Z1, 5Z3)	05 →	WP21	WP15	-	WP21F	WP15F
GOLF III (1H)	91 → 99	WP21	WP19	WP14	WP21F	WP19F
GOLF IV (1J)	99 → 06	-	-	-	WP21F	WP19F
GOLF PLUS (5M1, 521)	05 →	-	-	-	WP28F	WP28F
GOLF V (1K)	03 →	-	-	-	WP24F	WP19F
GOLF VI (5K)	08 →	-	-	-	WP24F	WP19F
JETTA III (1K2)	05 →	-	-	-	WP24F	WP19F
LUPU (6X1)	98 → 05	-	-	-	WP19F	WP19F
MULTIVAN T5 (7HM, 7HN, 7HF, 7EF, 7EM, 7EN)	03 →	-	-	-	WP24F	WP22F
NEW BEETLE (9C1, 1C1)	98 →	-	-	-	WP21F	WP21F
NEW BEETLE Cabriolet (1Y7)	03 →	-	-	-	WP21F	WP21F
PASSAT (3B2)	96 → 02	-	-	-	WP21F	WP21F
PASSAT (3B3)	01 → 05	-	-	-	WP21F	WP21F
PASSAT (3C2)	05 →	-	-	-	WP24F	WP19F
PASSAT CC	08 →	-	-	-	WP24F	WP19F
PASSAT Variant (3B5)	94 → 00	-	-	-	WP21F	WP21F
PASSAT Variant (3B6)	00 → 05	-	-	-	WP21F	WP21F
PASSAT Variant (3C5)	05 →	-	-	-	WP24F	WP19F
POLO (6N1)	94 → 99	WP19	WP19	-	WP19F	WP19F
POLO (6N2)	98 → 01	WP19	WP19	-	WP19F	WP19F
POLO (9N_)	01 →	-	-	-	WP21F	WP19F
SCIROCCO (137)	08 →	-	-	-	WP24F	WP19F
SHARAN (7M8, 7M9, 7M6)	00 → 10	-	-	-	WP28F	WP28F
TIGUAN (5N_)	07 →	-	-	-	WP24F	WP20F
TOUAREG (7LA, 7L6, 7L7)	02 → 06	-	-	-	WP26F	WP26F
TOURAN (1T1, 1T2, 1T3)	03 →	-	-	-	WP28F*	WP28F*
TOURAN (1T1, 1T2, 1T3)	03 →	-	-	-	WP24F**	WP19F**
TRANSPORTER T4	90 → 03	WP21	WP21	-	WP21F	WP21F
TRANSPORTER T5	03 →	WP24	WP24	-	WP24F	WP24F
VENTO (1H2)	91 → 98	WP21	WP19	-	WP21F	WP19F

**BERKHOF**

Axial 70	▲	94 →	WT26
Axial 100	▲	99 →	WT26
Excellence 2000 HL	▼	–	WT32
Excellence 3000 HLE / HD	▼	–	WT32

BOVA

MB 0614	–	–	WT24
EL 24-480	–	–	WT32
EL 24-581, EL 26-581	–	–	WT32
EL 24-605, EL 26-605	–	–	WT32

CAETANO

Optimo IV	–	96 →	WT32
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CASTROSUA

CS 41	–	86 →	WT32
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DAF

F..	–	12/86 → 02/95	WT20
45	–	05/91 → 12/97	WT20
XF 95	–	01/97 →	WT22
95	–	09/87 → 01/98	WT22
CF 65, CF 75, CF 85	–	03/98 →	WT24
F 65	–	01/93 → 98	WT24
F 75	–	01/92 → 98	WT24
F 85	–	01/92 → 98	WT24

DRÖGMÖLLER

E 90-E 430	▼	01/89 →	WT26
E 90-E 430	▼	–	WT32

E. AUWÄRTER

SUPER SPRINTER	–	→ 06/06	WT24
ECONOMY	–	–	WT24
MICROSTAR	–	–	WT24
B 13/42/1	–	–	WT32
CLUBSTAR 813/42-1, 913/48	–	–	WT32
TEAMSTAR 613/41, L613 D	–	–	WT32

ERF

ECX	–	–	WT24
EC 11, 12, 41	–	–	WT24

FORD

CARGO	–	02/85 →	WT26
TRANSIT 2000 (DS. YC15-17526-AA)	–	11/00 →	WT28

G. AUWÄRTER (NEOPLAN)

CENTROLINER N4407	–	–	WT32
CENTROLINER N4416 / 4416 U	–	99 →	WT32
CITYLINER N116 ...	▲	02/86 →	WT32
CITYLINER N1116...	▲	–	WT32
CITYLINER N122/2	▲	02/86 →	WT32
JUMBOCRUISER N138	–	02/86 →	WT32
MEGALINER N128/4 Megaspaces	▲	–	WT32

**G. AUWÄRTER (NEOPLAN)**

SKYLINER N122/3	▲	02/86 →	WT32
SKYLINER N122/3 P, N122/3 L, 1122...	▲	02/86 →	WT32
SPACELINER N117/2	▲	02/86 →	WT32
SPACELINER N117/3	▲	02/86 →	WT32
STARLINER 516...	▼	–	WT32

GINAF

M 3132, 3333, 4243, 4443	–	–	WT24
X 2221	–	–	WT24
X 3232, 3329, 3331, 3335	–	–	WT24
X 4241, 4243, 4343, 4345, 4446	–	–	WT24
X 5250, 5350, 5450	–	–	WT24
C 2120 N,...	–	08 →	WT26

IKARUS

MINIBUS 542, 546	–	86 →	WT24
386-398	▲	01/93 →	WT32
MIDIBUS 405	–	–	WT32

INDCAR

MAGO	–	–	WT32
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IRISBUS

GX 117 Access' Bus	–	–	WT32
GX 217 Access' Bus	–	–	WT32
GX 317 Access' Bus	–	–	WT32
GX 417 Access' Bus	–	–	WT32
[IVECO] M2001	–	01/92 →	WT32
[RENAULT] AXER	–	–	WT32

IVECO

135.17, 145.17T	–	09/88 →	WT24
175.17, 175.24 T	–	09/88 →	WT24
190.30 N	–	04/87 →	WT24
330.25 AN	–	05/89 →	WT24
330.30 AN	–	05/86 → 09/90	WT24
330.30 N	–	10/87 →	WT24
190.36 P, T	–	07/87 →	WT26
220.32, P, PT, 220.36, P, PT	–	→ 07/87	WT26
260,32	–	07/90 →	WT26
260,36	–	07/88 →	WT26
260,48	–	06/89 →	WT26
330.30 AH	–	05/86 → 05/91	WT26
330.30 AN	–	05/86 → 09/90	WT26
330.36 H, HW	–	01/89 →	WT26
EuroCargo	–	01/92 →	WT26
EuroFire	–	–	WT26
EuroStar	–	01/94 → 02	WT26
EuroTech	–	01/92 → 00	WT26
EuroTrakker	–	01/94 →	WT26

**IVECO**

POWERSTAR	-	-	WT26
STRALIS	-	-	WT26
TRAKKER	-	-	WT26
670	-	01/94 →	WT32
EuroClass	-	01/93 → 11/02	WT40
380	-	01/92 → 11/00	WT40

JONCKHEERE

LE DEAUVILLE	▲	10/91 →	WT24
AUTEUIL	-	01/92 →	WT32
LE DEAUVILLE	▼	10/91 →	WT32
MONACO	▼	-	WT32

KAROSSA

RECREO	-	97 →	WT32
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KÄSSBOHRER

Setra	-	09/85 → 07/01	WT40
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KÄSSBOHRER-SETRA

S 416	▲	01 →	WT24
PISTENBULLY PB 42.240 D	-	88 →	WT32
S 209-S 251	-	87 →	WT32

LEYLAND-DAF

95	-	04/89 → 12/01	WT20
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MAN

Bus	-	04/95 → 02/01	WT20
L2000	-	10/93 → 12/06	WT20
L2000 Evol. (LE)	-	09/00 → 12/06	WT20
M2000	-	06/98 → 12/02	WT20
M2000 Evol. (LE)	-	08/00 → 09/06	WT20
8t	-	10/92 → 05/95	WT20
F 2000 (19.343 ... 48.463)	-	10/94 →	WT24
F 90 (19.242 ... 48.462)	-	01/86 → 09/94	WT24
FE 600A, FE 460A	-	-	WT24
M 90 (12.152 ... 18.232)	-	01/86 → 12/96	WT24
M 2000 M (cabine F, 12 > 19 tonnes)	-	04/96 → 10/05	WT24
E2000	-	06/96 → 09/02	WT24
E2000 Evol. (FE)	-	01/00 → 12/03	WT24
F/M/U 90	-	10/88 → 06/96	WT24
M2000 Evol. (ME)	-	09/00 → 07/05	WT24
41t	-	02/90 → 06/96	WT24
M2000 Evol. (LE)	-	07/01 → 08/02	WT28
TAG	-	09/04 → 09/06	WT28
TG	-	03/99 →	WT28
TGA	-	06/02 →	WT28
TGS	-	09/07 →	WT28
TGX	-	09/07 →	WT28
LION'S MIDI	-	-	WT32
NG 272	-	89 →	WT32

**MAN**

NG 312	-	-	WT32
NL 202	-	09/89 →	WT32
NL 222	-	-	WT32
NL 232	-	-	WT32
NL 262	-	-	WT32
NL 312	-	-	WT32
NM 152	-	89 → 97	WT32
SD 202	-	08/85 → 94	WT32
SG 240 H	-	08/85 →	WT32
SG 242/SG 242 H	-	85 → 94	WT32
SG 292	-	85 →	WT32
SL 200	-	08/85 → 87	WT32
SU 240	-	85 → 89	WT32
SU 242	-	85 → 87	WT32
D 80, G 80, S 80	-	-	WT32
Lion's City	-	07/98 →	WT32
Lion's Coach	-	09/02 →	WT40
Lion's Regio	-	06/04 →	WT40

MERCEDES-BENZ

Unimog	-	11/86 →	WT20
Econic 1828, 2628, 2828	-	09/00 →	WT24
LK 709 ... 1524	-	01/93 →	WT24
O 301 (LN2)	-	01/85 → 05/86	WT24
O 412 D	-	05/95 → 05/06	WT24
O 609, O 611, O 614	-	07/87 →	WT24
Sprinter 208D ... 412D	-	05/95 → 05/06	WT24
VARIO	-	09/96 →	WT24
5t	-	03/89 → 02/01	WT24
7t	-	09/86 → 02/01	WT24
8t [LK]	-	02/92 → 12/99	WT24
11t [LK]	-	02/92 → 12/99	WT24
13t [LK]	-	12/92 → 12/99	WT24
15t [LK]	-	02/91 → 02/01	WT24
ATEGO	-	04/98 → 10/04	WT26
ATEGO II	-	10/04 →	WT26
AXOR	-	09/01 → 10/04	WT26
AXOR II	-	10/04 →	WT26
CITYLINER 1220/L - 1224/L	-	→ 97	WT26
CITYLINER 1320/L	-	→ 97	WT26
CITYLINER 1520/L - 1524/L	-	→ 97	WT26
CITYLINER ECOPOWER 812 - 814/L - 817/L/S	-	→ 97	WT26
CITYLINER ECOPOWER 914 R - 917 R	-	→ 97	WT26
CITYLINER ECOPOWER 1114 - 1117/L	-	→ 97	WT26

**MERCEDES-BENZ**

CITYLINER ECOPOWER 1120 LS	-	→ 97	WT26
CITYLINER ECOPOWER 1217/L	-	→ 97	WT26
CITYLINER ECOPOWER 1317/L – 1324 LS	-	→ 97	WT26
CITYLINER ECOPOWER 1517	-	→ 97	WT26
NG80 1013 ... 3850	-	01/86 → 12/88	WT26
NG90 1222 ... 3233 MK	-	01/89 → 97	WT26
NG90 1729 ... 4850 SK	-	01/89 → 97	WT26
POWERLINER	-	→ 97	WT26
UNIMOG	-	09/96 →	WT26
12t [MK]	-	07/89 → 08/94	WT26
14t [MK]	-	07/89 → 09/96	WT26
16t [MK]	-	02/93 → 08/94	WT26
17t [MK]	-	12/88 → 02/01	WT26
17t [SK]	-	07/88 → 08/94	WT26
18t [MK]	-	12/90 →	WT26
18t [SK]	-	12/90 → 02/01	WT26
19t [SK]	-	07/88 → 08/94	WT26
20t [SK]	-	01/91 → 02/01	WT26
23t [MK]	-	02/93 → 09/96	WT26
23t [MK]	-	12/87 → 09/96	WT26
24t [SK]	-	07/88 → 09/96	WT26
25t [MK]	-	12/90 →	WT26
25t [SK]	-	01/91 → 09/96	WT26
26t [SK]	-	07/88 → 09/96	WT26
30t [SK]	-	02/91 → 02/01	WT26
32t	-	09/85 → 08/94	WT26
32t [SK]	-	09/89 → 02/01	WT26
35t [SK]	-	10/88 → 09/96	WT26
38t	-	09/85 → 08/94	WT26
44t [SK]	-	10/89 → 02/01	WT26
ACTROS	-	01/97 → 09/02	WT28
ACTROS MP2/MP3	-	10/02 →	WT28
O 402	-	86 → 91	WT32
O 405	-	01/85 → 02/01	WT32
O 405	-	89 → 98	WT36
O 303	-	80 → 92	WT36
ACTROS	-	01/97 → 09/02	WT28
ACTROS MP2/MP3	-	10/02 →	WT28
O 402	-	86 → 91	WT32
O 405	-	01/85 → 02/01	WT32
O 405	-	89 → 98	WT36
O 303	-	80 → 92	WT36

**MITSUBISHI**

Canter 35, 55, 60, 75	-	10/97 →	WT22
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NEOPLAN

Cityliner	-	09/85 → 12/00	WT32
Clubliner	-	02/86 → 09/95	WT32
Jumbocruiser	-	02/86 → 12/96	WT32
Skyliner	-	02/86 → 05/01	WT32
Spaceliner	-	02/86 → 05/01	WT32
Clubliner	-	10/81 → 09/95	WT40
Jetliner	-	10/81 → 05/01	WT40
Jumbocruiser	-	08/83 → 12/96	WT40
Spaceliner	-	02/86 → 05/01	WT40

NISSAN

ATLEON	-	00 →	WT24
VANETTE	-	06/95 →	WT24

OBRADOR

ST 5 C, ST 400	▲	94 →	WT32
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OMNIBUS

SUNSET	-	→ 05/06	WT24
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RENAULT

CLR	-	10/90 → 10/98	WT20
G	-	01/90 → 06/97	WT20
Midliner	-	10/86 → 12/01	WT20
R	-	01/86 → 10/96	WT20
110	-	10/91 → 01/95	WT20
Agora	-	06/95 →	WT40
FR	-	06/91 → 12/96	WT40
Iliade	-	10/96 → 09/01	WT40
R	-	11/86 → 12/03	WT40

RENAULT TRUCKS (R.V.I.)

Midliner	-	01/90 → 12/01	WT24
S	-	11/92 → 10/96	WT24
J	-	06/87 →	WT24
MASTER Gamme B (Messenger)	-	01/93 →	WT24
MASTER	-	03/89 → 10/97	WT24
S 90 ... S 220 (Midliner)	-	06/87 →	WT24
Magnum	-	02/92 →	WT28
PR	-	06/91 →	WT28

SCANIA

93 M, 93 H	-	04/88 →	WT24
113 M, H, R	-	04/88 →	WT24
143 M, H	-	04/88 →	WT24
Serie 93	-	03/88 → 08/97	WT24
Serie 113 [BUS]	-	05/88 → 12/00	WT24
Serie 143	-	05/88 → 06/98	WT24
Serie 94	-	08/96 → 08/02	WT28
Serie 114	-	02/96 → 09/04	WT28

**SCANIA**

Serie 124	-	09/95 → 02/02	WT28
Serie 144	-	01/96 → 08/01	WT28
110 Omnicity	-	09/96 →	WT32
110 Omnilink	-	98 → 01	WT32

SMIT

MERCURIUS	-	94 →	WT32
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SOLARIS

URBINO	-	-	WT32
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STEYR (STEYR-DAIMLER-PUCH AG)

9 S	-	04/86 →	WT20
10 S	-	04/86 →	WT20
12 S	-	04/86 →	WT20
13 S	-	04/86 →	WT20
14 S	-	04/86 →	WT20
15 S	-	04/86 →	WT20
16 S	-	04/86 →	WT20

T.A.M

T 8B	-	01/92 →	WT24
T 17BL	-	01/92 →	WT24
T 7 B	-	-	WT24
260 A 116P	-	01/92 →	WT32

TERBERG

FM1350	-	-	WT26
FM1450	-	-	WT26
FM1850	-	-	WT26
FM1950	-	-	WT26
FM2000	-	-	WT26
FM2850	-	-	WT26
FM3000	-	-	WT26
YT 182	-	08 →	WT32

TITAN

TF 3000	-	-	WT24
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V D L

KUSTERS	-	05/95 → 05/06	WT24
MINI BUS	-	→ 05/06	WT24
Axial 70	▲	-	WT26
Axial 100	▲	-	WT26
Mistral 70	▲	-	WT26
Axial 100	▼	-	WT32

VAN HOOL

EOS 200	▲	91 → 09/99	WT24
EOS 230	▲	01/94 →	WT24
EOS 233	▲	01/94 → 09/99	WT24
EOS 100	▼	01/90 →	WT32
EOS 200	▼	91 → 09/99	WT32
EOS 230	▼	01/94 →	WT32

**VAN HOOL**

EOS 233	▼	01/94 → 09/99	WT32
T 916 / 917 Altano	-	99 →	WT32
T 918 Altano	-	-	WT32
TD 927 Astromega	-	97 →	WT32

VOLKSWAGEN

CITY-BUS	-	01/92 →	WT24
LT	-	09/96 → 06/06	WT24
TRANSPORTER 75	-	11/03 →	WT24

VOLVO

CH 230	-	-	WT24
FL 408, FL 618	-	01/85 →	WT24
FS 7	-	01/85 →	WT24
F 7	-	08/77 → 10/93	WT24
F 10	-	08/77 → 10/93	WT24
F 12	-	08/87 → 10/93	WT24
F 16	-	08/77 → 10/93	WT24
FL 4	-	01/85 →	WT24
FL 6	-	09/85 → 10/94	WT24
FL 220, FL 250	-	09/00 → 11/06	WT24
B 12 M	▲	-	WT26
FH 10	-	11/93 → 01/06	WT26
FH 12	-	11/93 → 01/06	WT26
FH 16	-	11/93 → 01/06	WT26
FH/FH 16	-	02/06 →	WT26
FM 7	-	06/98 → 12/01	WT26
FM 9	-	-	WT26
FM 10	-	06/98 → 12/01	WT26
FM 12	-	06/98 → 01/06	WT26
FM	-	02/06 →	WT26
FH	-	08/93 →	WT26
FL	-	09/85 → 12/01	WT28
FS	-	09/88 → 12/95	WT28
B	-	06/01 →	WT40

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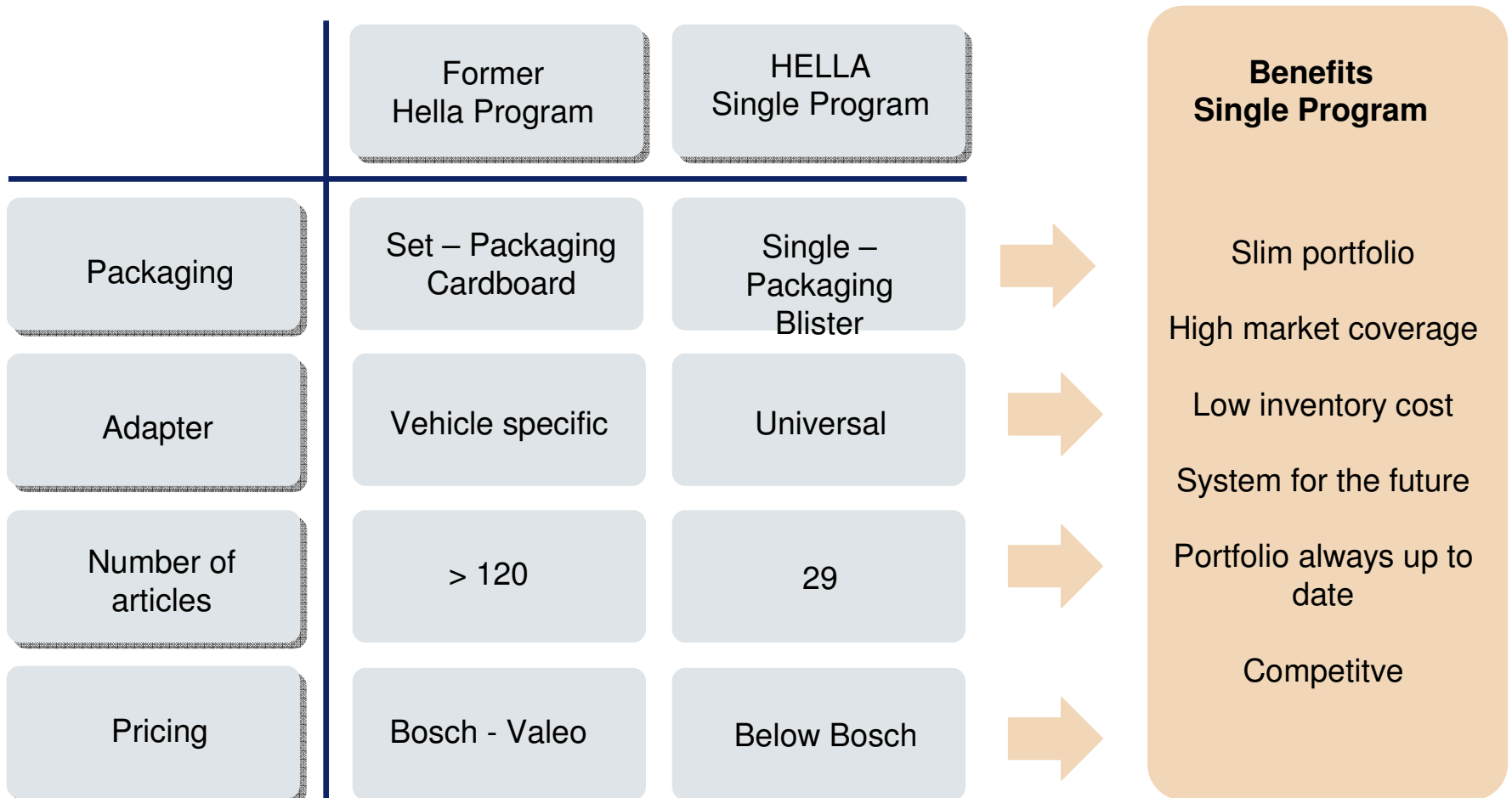
HELLA Wiper Blades

Single Programm
May 2012



HELLA Wiper Blades

New Single Program



HELLA Wiper Blade

Product overview

Type	Application	Part number	Short code	Numbers
Conventional Wiper Blade	Standard Type	9XW 178 878-XX1 LHD 9XW 190 253-XX1 RHD	WPXX LHD WPRXX RHD	13 13
	Commercial Type	9XW 184 107-XX1 LHD 9XW 191 397-XX1 RHD	WXXX LHD WTRXX RHD	8 8
Flat Wiper Blade (Dyna Blade)	Standard Type	9XW 190 680-XX1	WPXXF LHD/RHD	16



Conventional Wiper Blade



Flat Wiper Blade

Conventional Wiper Blades

Product information

- Graphite coated rubber blade
 - Smooth and quiet operation
 - Clear visibility – No smears
- 95% vehicle coverage
 - Easy installation
 - Preinstalled with most common adapter
- Detailed installation diagrams
 - Hassle-free
- Long lasting performance
 - Meets SAE standard
 - Tested by GTÜ according to Hella guideline
- Protective lip guard
 - Offers protection against damage
- Aesthetically appealing
 - Hella Logo engraved on wiper blade
 - Hella Logo embossed on blister pack
- 95% market coverage for vehicles with serial equipped conventional wiper blades
- Wiper Blades are implemented in Tec Doc



Conventional Wiper Blades

Test specifications

Testing Compilation arranged by Hella	
Test Chapter	Possible maximum score
Cleaning	310
Wipe quality in new condition	100
Wipe quality after endurance test	90
Wipe area coverage	70
High speed performance	50
Practice	80
Retaining clip	20
Build quality	20
Noise performance	40
Lab test	110
Freeze on (pull off- and bark test)	30
Bounce testing	20
Corrosion endurance	30
Heat resistance	30
Overall evaluation	500







Conventional Wiper Blades

Test results

Brand / Model		Hella WP19 9XW 178 878-191	Competitor B	Korean supplier	Competitor C
Cleaning					
Wipe quality (new condition)	100	100	95	90	88
Wipe quality (after endurance test)	90	77	81	68	61
Wiping area	70	63	53	59	57
Reaction of wipers when vehicle reaches highspeed	50	25	40	16	16
	310	265	269	233	222
Exercise					
Adaptor	20	18	18	12	12
Build quality	20	14	16	12	8
Noise resistance	40	36	36	28	24
	80	68	70	52	44
Laboratory test					
Reaction in terms of cold climate	30	30	30	30	30
Crash test	20	20	20	30	20
Corrosion resistance	30	18	30	24	30
Reaction in terms of hot climate	30	18	20	17	26
	110	86	100	101	106
Result					
Score	500	419	439	386	372

Conventional Wiper Blades - Cars

HELLA Adapter solution

Typ		Bayonet	Hook	Pin
E3 Adapter		7 x 2.6mm	9 x 3mm 9 x 4mm	6.3mm 4.5mm
V9 Adapter			9 x 3mm	
B Adapter		5.3 x 2mm	6 x 2mm 8 x 3mm	
VE Adapter		7 x 2.6mm	7 x 2.2mm 9 x 2.5mm	

9XW 178 878-XX1	
Short Code	HELLA Adapter *
WP11	E3, V9, B,
WP14	E3, V9, B
WP15	E3, V9, B
WP16	E3, V9, B
WP17	E3, V9, B
WP18	E3, V9, B
WP19	E3, V9, B
WP20	E3, V9
WP21	E3, V9
WP22	E3, V9
WP23	E3, V9
WP24	E3, V9
WP26	E3, V9

- E3 Adapter preinstalled. Detailed installation diagrams included
- Application guide shows the european car park

* E3 Adapter preinstalled

Conventional Wiper Blades - Cars

Packaging



- Blister packaging
- Applicationen on the back (Installed base > 100.000)
- Detailed installation on the back and also included
- QR Code

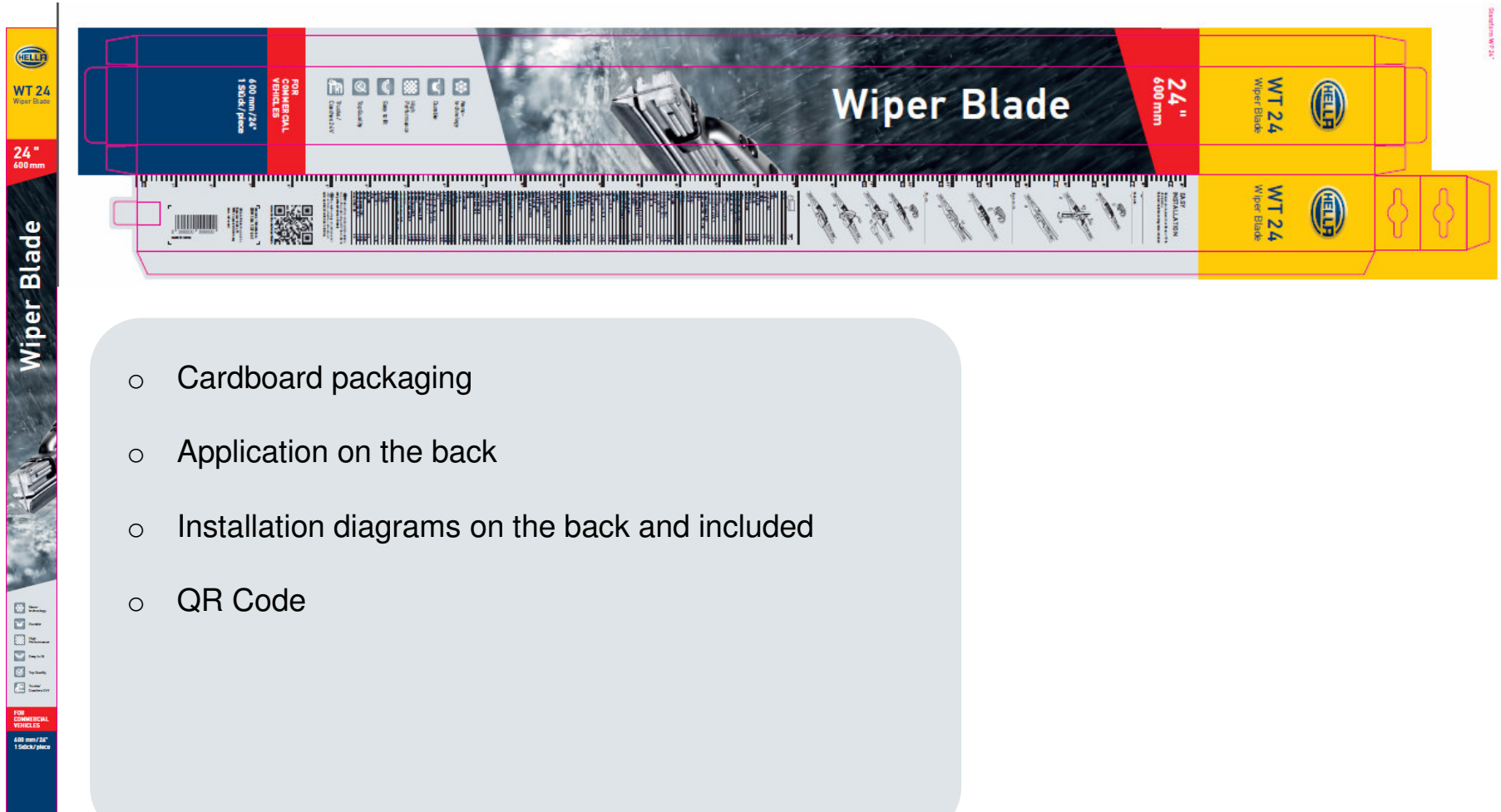


Conventional Wiper Blades – Commercial Vehicles

HELLA Adapter

HELLA part number	Short Code	Adapter, included	Holding	Thickness rubber	Primarily Use
					
9XW 184 107-201	WT20	E3, B, A2-1, TR9	11mm	6mm	CV
9XW 184 107-221	WT22	E3, B, A2-1, F1, TR9, T5	11mm	6mm	CV
9XW 184 107-241	WT24	T8-1, T9, F10, F5	14mm	8mm	CV
9XW 184 107-261	WT26	T8-1, F10, F5	14mm	8mm	CV
9XW 184 107-281	WT28	T8-1, F10, F5	14mm	8mm	CV
9XW 184 107-321	WT32	M8, M7, M1, M	15mm	9mm	Coach
9XW 184 107-361	WT36	M6, M3, M2	18mm	9mm	Coach
9XW 184 107-401	WT40	M6, M3, M2	18mm	9mm	Coach

Conventional Wiper Blades – Commercial Vehicles Packaging



- Cardboard packaging
- Application on the back
- Installation diagrams on the back and included
- QR Code



Standard WT 24

HELLA Dyna Wiper Blade



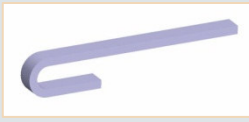

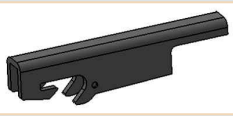
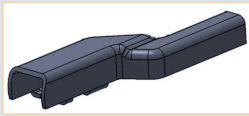






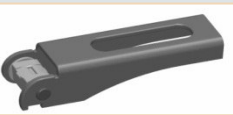
Product information

- Optimal bended metal rail offers constant pressure distribution at every point on the windshield tends to perfect performance. The constant pressure distribution offers a constant wear of the rubber.
- Prevents ice-build-up in winter due to missing exterior metal parts.
- Aerodynamical profile offers a perfect pressure distribution and prevents wind noises. The Optimal downward force prevents wind-lift.
- Perfect cleaning due to graphite coated rubber. High resistance to ozone, ultraviolet, cold and ice. The protection lip protects the wiper blades till mounting.
- 98% market coverage
 - Preinstalled adapter for Hook arms
 - Including adapter for OE-Wiper arms
- Aesthetically appealing
 - Hello Logo on ending caps
- Wiper Blades are implemented in Tec Doc



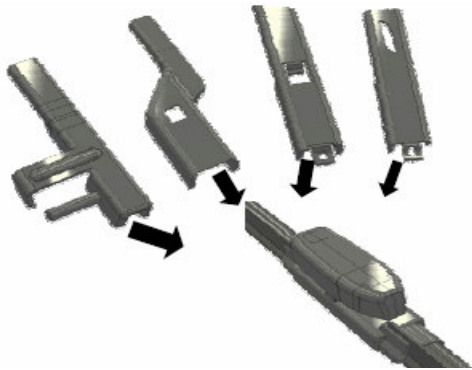
HELLA Dyna Wiper Blade

HELLA Adapter solution

Type	Wiper arms					
U Hook Adapter		fits to	 U Hook 9x3mm	 U Hook 9x4mm	Preinstalled	
OE2 Adapter		fits to	 For Audi wiper arm	 For new PTB wiper arm*		
OE3 Adapter		fits to	 For I&L wiper arm**	 For PTB wiper arm*	 For Renault wiper arm	 For BMW wiper arm
OE4 Adapter		fits to	 For MB wiper arm		* Push Top Button ** Insert and Lock	

▶ Trouble-free mounting at conventional hook arms AND at actual OE wiper arms.

HELLA Dyna Wiper Blade Competitor



Aerotwin Single Blade Programm mit Multi-Clip fits to 4 OE wiper arms.

It is not possible to retrofit a hook wiper arms with this wiper blade.



To retrofit older cars (with hook wiper arms) to flat blades you have to offer a further product range.

HELLA Dyna Wiper Blade Packaging

Stanzform WP 18"



- Blister packaging
- Applicationen on the back (Installed base > 100.000)
- Detailed installation on the back and also included
- QR Code

HELLA Wiper Blades

Marketing material

Marketing material

- Walldisplay
 - Brochure incl. Application list
 - Application guide (for displays)
- QR Code → HELLA Microsite
- Video Clip (Mounting of adapter)
 - Online wiper blade application tool

