



# OTOMOBİL GRUBU



## AUTOMOBILE GROUP



Marka ve Modeli Make and model	Mutlu Kodu Code of Mutlu	Kapasite Capacity	Soluk Mey Alımı EN / A Cold Start Performance EN / A	ETN	Montaj Şekli Layout	Kutuplar Terminals	Alt Bağlantılar Hold Down	Mutlu Alternatif Kodu Alternative code of Mutlu
-----------------------------------	-----------------------------	----------------------	---	-----	------------------------	-----------------------	------------------------------	--

### ALEKO

ALEKO S; SL	12B2-FD	50	420	550 135 042	1	1	B3	
-------------	---------	----	-----	-------------	---	---	----	--

### ALFA ROMEO

33 1.5	12B2-ED	55	420	555 066 042	0	1	B3	
33 1.7	12B2-ED	55	420	555 066 042	0	1	B3	
145 1.4-1.6	12B2-ED	55	420	555 066 042	0	1	B3	
145 2.0	12M4-DD	60	480	560 093 048	0	1	B3	12B2-ED
146 1.4	12B2-ED	55	420	555 066 042	0	1	B3	
146 2.0	12M4-DD	60	480	560 093 048	0	1	B3	12B2-ED
147 1.6-2.0	12M4-DD	60	480	560 093 048	0	1	B3	
155	12B2-ED	55	420	555 066 042	0	1	B3	
156 1.6-2.0	12B2-ED	55	420	555 066 042	0	1	B3	
156 2.5 V6	LS3-CD	72	640	572 111 064	0	1	B3	
164 2.0	12B2-ED	55	420	555 066 042	0	1	B3	
166 2.0	12B2-ED	55	420	555 066 042	0	1	B3	
166 3.0	LS3-CD	72	640	572 111 064	0	1	B3	
GTV	12B2-ED	55	420	555 066 042	0	1	B3	
SPIDER 2.0	12B2-ED	55	420	555 066 042	0	1	B3	

### ARO

SPARTANA	12M2-DD	50	450	550 110 045	0	1	B3	
10.4 1.4	12M2-DD	50	450	550 110 045	0	1	B3	
10.4 1.6	12M2-DD	50	450	550 110 045	0	1	B3	
10.4 1.9 D	LS3-FD	75	640	575 111 064	0	1	B3	
10.4 TD	LS3-FD	75	640	575 111 064	0	1	B3	
244 2.1 D	LS3-FD	75	640	575 111 064	0	1	B3	

### AUDI

80	12B2-ED	55	420	555 066 042	0	1	B3	12M4-AD
80 DIESEL	LS3-CD	72	640	572 111 064	0	1	B3	
100	12M6-AD	66	510	566 038 051	0	1	B3	LS3-CD
100 DIESEL	LS5-CD	100	850	600 111 085	0	1	B3	LS3-CD
A3 1.6-1.8	12M2-BF	50	420	550 137 042	0	1	B3	
A4 1.6-1.8	12B2-ED	55	420	555 066 042	0	1	B3	
A4 1.9 TDI	LS3-CD	72	640	572 111 064	0	1	B3	
A4 2.8	LS3-CD	72	640	572 111 064	0	1	B3	
A6 1.8	12B2-ED	55	420	555 066 042	0	1	B3	
A6 2.8-4.2	LS3-CD	72	640	572 111 064	0	1	B3	
A8 4.2	LS5-CD	100	850	600 111 085	0	1	B3	LS3-CD
TT	12B4-AD	66	540	566 116 054	0	1	B3	
ALLROAD	LS5-CD	100	850	600 111 085	0	1	B3	

### AZLK

ALEKO 1.5/1.6/1.8/2	12M4-BD	55	450	555 126 045	1	1	B3	12M4-JD
JURIJ DOLGLRUKIJ	12M4-BD	55	450	555 126 045	1	1	B3	12M4-JD
KNAZ VLADIMIR 1.5/1.6/1.7/1.8/2	12M4-BD	55	450	555 126 045	1	1	B3	12M4-JD
ALEKO 1.8/1.9/DIESEL	12M4-BD	55	450	555 126 045	1	1	B3	12M4-JD



Marka ve Modeli Make and model	Mutlu Kodu Code of Mutlu	Kapasite Capacity	Soğuk Hava Aramı EN / A Cold Start Performance EN / A	ETN	Montaj Şekli Layout	Kutuplar Terminals	Alt Bağlantılar Hold Downs	Mutlu Alternatif Kodu Alternative code of Mutlu
<b>BMW</b>								
316 - 323i	12B2-ED	55	420	555 066 042	0	1	B3	12M4-DD
318 D, 320 D	LBS4-BD	80	640	580 115 064	0	1	B3	
M3	12M6-AD	66	510	566 038 051	0	1	B3	
518 - 525i	12M6-AD	66	510	566 038 051	0	1	B3	
518i - 520i	12B2-ED	55	420	555 066 042	0	1	B3	
520i - 540i	LS5-CD	100	850	600 111 085	0	1	B3	
5 DIESEL	LS5-CD	100	850	600 111 085	0	1	B3	
M5	LS5-CD	100	850	600 111 085	0	1	B3	
628 - 635	12M6-AD	66	510	566 038 051	0	1	B3	
M635 CSI	LS5-CD	100	850	600 111 085	0	1	B3	
720 - 750	12M6-AD	66	510	566 038 051	0	1	B3	
720 - 750 86 →	LS3-CD	72	640	572 111 064	0	1	B3	
7 SERİSİ (E65)	LS5-CD	100	850	600 111 085	0	1	B3	
Z3	LS3-CD	72	640	572 111 064	0	1	B3	
Z8	LS5-CD	100	850	600 111 085	0	1	B3	
X5	LS5-CD	100	850	600 111 085	0	1	B3	
<b>CHRYSLER</b>								
GRAND CHEROKEE	12H2-C	70	540	570 024 054	1	1	B9	LS3-CD
VOYAGER	LS3-CD	72	640	572 111 064	0	1	B3	
<b>CITROEN</b>								
AX	12B1-BD	36	300	536 053 030	0	1	B1	
AX DIESEL	12B2-ED	55	420	555 066 042	0	1	B3	
ZX	12M4-DD	60	480	560 093 048	0	1	B3	
ZX DIESEL	12M6-AD	66	510	566 038 051	0	1	B3	
XM	12M6-AD	66	510	566 038 051	0	1	B3	
XM DIESEL	LS3-CD	72	640	572 111 064	0	1	B3	
XANTIA	12M4-DD	60	480	560 093 048	0	1	B3	
XANTIA DIESEL	LS3-CD	72	640	572 111 064	0	1	B3	
SAXO	12B2-ED	45	360	545 135 036	0	1	B3	
SAXO DIESEL	12B2-ED	55	420	555 066 042	0	1	B3	
XSARA	12B2-ED	55	420	555 066 042	0	1	B3	
XSARA DIESEL	LS3-CD	72	640	572 111 064	0	1	B3	
C3 1.4, 1.6	12M2-BF	50	420	550 137 042	0	1	B3	
C3 1.4 HDI	12M4-DD	60	480	560 093 048	0	1	B3	
C5 2.0 HDI, 3.0 V6	LS3-CD	72	640	572 111 064	0	1	B3	
<b>DACIA</b>								
1310	12B2-ED	55	420	555 066 042	0	1	B3	
LOGAN 1.4	12M4-DD	60	480	560 093 048	0	1	B3	
SOLENZA 1.4	LO-AF	40	330	540 113 033	0	1	B3	
<b>DAEWOO</b>								
ESPERO	12B2-ED	55	420	555 066 042	0	1	B3	
LANOS	Special 45-B	45	360	545 149 036	1	1	B0	
LEGANZA	12M4-DD	60	480	560 093 048	0	1	B3	
MATIZ	Special 42-D	42	300	542 105 030	1	3	B0	
NEXIA	Special 45-A	45	360	545 150 036	0	1	B0	
NUBIRA	12H2-C	70	540	570 024 054	1	1	B9	
TICO	Special 42-C	42	300	542 105 030	1	1	B0	
KORANDO	LS3-CD	72	640	572 111 064	0	1	B3	



Marka ve Modeli Make and model	Mutlu Kodu Code of Mutlu	Kapasite Capacity	Soguk Mary Akımı EN / A Cool Start Performance EN / A	ETN	Montaj Şekli Layout	Kutuplar Terminals	Alt Bejantılar Hold Down	Mutlu Alternatif Kodu Alternative code of Mutlu
<b>DAIHATSU</b>								
APPLAUSE	Special 42-D	42	300	542 105 030	1	3	B0	
CHARADE	Special 42-D	42	300	542 105 030	1	3	B0	
FEROZA	Special 42-D	42	300	542 105 030	1	3	B0	
TERIOS	Special 42-D	42	300	542 105 030	1	3	B0	
<b>FORD - OTOSAN</b>								
TAUNUS	12M4-DD	60	480	560 093 048	0	1	B3	
ESCORT	12B1-CD	43	330	543 017 033	0	19	B3	
ESCORT 98 →	12B2-ED	55	420	555 066 042	0	1	B3	
FOCUS	12B2-ED	55	420	555 066 042	0	1	B3	
FOCUS 1.8 TDCI	12B4-AD	66	540	566 116 054	0	1	B3	
FIESTA	12B1-FD	44	360	544 117 036	0	1	B3	
FIESTA 1.4 TDCI	12B4-AD	66	540	566 116 054	0	1	B3	
FUSION 1.4-1.6	12B2-ED	55	420	555 066 042	0	1	B3	
KA	12B1-FD	44	360	544 117 036	0	1	B3	12M6-AD
MONDEO	12M4-DD	60	480	560 093 048	0	1	B3	
MONDEO 1.8 TD	LS3-FD	75	640	575 111 064	0	1	B3	
MONDEO 2.0 TDCI	12B4-AD	66	540	566 116 054	0	1	B3	
SCORPIO	12M6-AD	66	510	566 038 051	0	1	B3	
<b>GAZ</b>								
31022 2.4	12M4-JD	60	480	560 138 048	1	1	B3	
31024 2.4	12M4-JD	60	480	560 138 048	1	1	B3	
31029 2.3/2.4	12M4-JD	60	480	560 138 048	1	1	B3	
31054	12M4-JD	60	480	560 138 048	1	1	B3	LS3-ED
GAZEL, SOBOL, ATAMAN	12M4-JD	60	480	560 138 048	1	1	B3	LS3-ED
<b>HONDA</b>								
ACCORD	12H2-C	70	540	570 024 054	1	1	B9	
CRX	Special 45-A	45	360	545 150 036	0	1	B0	
CRV	Special 45-A	45	360	545 150 036	0	1	B0	
CIVIC	Special 45-A	45	360	545 150 036	0	1	B0	
CIVIC 2002	Special 45-B	45	360	545 149 036	1	1	B0	
PRELUDE	12H2-D	70	540	570 029 054	0	1	B9	
<b>HYUNDAI-ASSAN</b>								
ATOS	Special 42-D	42	300	542 105 030	1	3	B0	
ACCENT	12H1-B	60	450	560 113 045	0	1	B1	
ACCENT 2000 →	12M2-BF	50	420	550 137 042	0	1	B3	
EXCEL	12H1-B	60	450	560 113 045	0	1	B1	
ELANTRA	12H1-B	60	450	560 113 045	0	1	B1	
SONATA	12H1-B	60	450	560 113 045	0	1	B1	
S-COUPE	12H1-B	60	450	560 113 045	0	1	B1	
SANTA FE 2.7	12M4-DD	60	480	560 093 048	0	1	B3	
SANTA FE 2.0 CRDI	12H3-B	90	680	590 102 068	0	1	B3	
TRAJET 2.0, 2,7	12M4-DD	60	480	560 093 048	0	1	B3	
XG 30	12M4-DD	60	480	560 093 048	0	1	B3	
<b>IZH</b>								
2126,21251,412 ALL VERSIONS	12M4-BD	55	450	555 126 045	1	1	B3	12M4-JD



Marka ve Modeli Make and model	Mutlu Kodu Code of Mutlu	Kapasite Capacity	Soğuk Many Alım EN / A Cold Start Performance (EN / A)	ETN	Montaj Şekli Layout	Kutuplar Terminals	Alt Bağlantılar Hold Down	Mutlu Alternatif Kodu Alternative code of Mutlu
<b>JAGUAR</b>								
XJ8	12M4-DD	60	480	560 093 048	0	1	B3	
S-TYPE V6	LS5-CD	100	850	600 111 085	0	1	B3	
S-TYPE V8	LS5-CD	100	850	600 111 085	0	1	B3	
X TYPE	LBS4-BD	80	640	580 115 064	0	1	B3	
<b>KAMAZ</b>								
OKA: 640, 750, 820	12M2-ED	50	450	550 136 045	1	1	B3	
<b>KIA</b>								
PRIDE	12H1-B	60	450	560 113 045	0	1	B1	
SEPHIA	12H1-B	60	450	560 113 045	0	1	B1	
SPORTAGE	12H1-B	60	450	560 113 045	0	1	B1	
RIO	Special 45-A	45	360	545 150 036	0	1	B0	
SHUMA	12M4-DD	60	480	560 093 048	0	1	B3	
CARENS	12M4-DD	60	480	560 093 048	0	1	B3	
<b>LADA</b>								
SAMARA	12B2-ED	55	420	555 066 042	0	1	B3	
SAMARA 1.5 D	12H2-C	70	540	570 024 054	1	1	B9	
SAGANO	12M4-BD	55	450	555 126 045	1	1	B3	
NIVA	12M4-HD	63	540	563 103 054	1	1	B3	12M4-DD
VEGA	12B2-ED	55	420	555 066 042	0	1	B3	
<b>MAZDA</b>								
626	12H1-B	60	450	560 113 045	0	1	B1	
929	12H2-D	70	540	570 029 054	0	1	B9	
MX5	Special 45-A	45	360	545 150 036	0	1	B0	
RX7	12H1-B	60	450	560 113 045	0	1	B1	
XEDOS	12H2-D	70	540	570 029 054	0	1	B9	
6	Special 45-A	45	360	545 150 036	0	1	B0	
<b>MCC</b>								
SMART	12B1-FD	44	360	544 117 036	0	1	B3	
<b>MINI</b>								
MINI ONE	12B1-FD	44	360	544 117 036	0	1	B3	
MINI COOPER	12B1-FD	44	360	544 117 036	0	1	B3	
MINI COOPER S	12B2-ED	55	420	555 066 042	0	1	B3	
<b>MITSUBISHI</b>								
COLT	12H2-C	70	540	570 024 054	1	1	B9	
COLT	Special 42-C	42	300	542 103 030	1	1	B0	
CARISMA	12B1-FD	44	360	544 117 036	0	1	B3	
CARISMA 1.8 GDI	12M4-DD	60	480	560 093 048	0	1	B3	
GALANT	12H2-C	70	540	570 024 054	1	1	B9	
LANCER	Special 42C	42	300	542 103 030	1	1	B0	
LANCER 2.0	12H2-C	70	540	570 024 054	1	1	B9	
PAJERO	12H2-C	70	540	570 024 054	1	1	B9	
PAJERO PININ GDI	12M4-DD	60	480	560 093 048	0	1	B3	



Marka ve Modeli Make and model	Mutlu Kodu Code of Mutlu	Kapasite Capacity	Sogul Merj Akum EN / A Cold Start Performance EN / A	ETN	Montaj Şekli Layout	Kutuplar Terminals	Alli Bağlantılar Hood Down	Mutlu Alternatif Kodu Alternative code of Mutlu
-----------------------------------	-----------------------------	----------------------	---	-----	------------------------	-----------------------	-------------------------------	--

## MERCEDES

190, 190E	12M6-AD	66	510	566 038 051	0	1	B3	
190 D, TD	LS3-CD	72	640	572 111 064	0	1	B3	
200, 220, 230, 260, 280	LS3-CD	72	640	572 111 064	0	1	B3	
240 D, TD	LS5-AD	88	640	588 118 064	0	1	B3	
200 D, TD	LS3-CD	72	640	572 111 064	0	1	B3	
300 E	LS5-CD	100	850	600 111 085	0	1	B3	
300 D	LS5-CD	100	850	600 111 085	0	1	B3	
SE, SEC, SEL SERIAL	LS5-CD	100	850	600 111 085	0	1	B3	
A SERIAL	12B2-ED	55	420	555 066 042	0	1	B3	
C180, C200	12M6-AD	66	510	566 038 051	0	1	B3	
C200 KOMP, C230 KOMP	LS5-CD	100	850	600 111 085	0	1	B3	
C220, C230, C240	LS3-CD	72	640	572 111 064	0	1	B3	
C320 (W203)	LS5-CD	100	850	600 111 085	0	1	B3	
C280, CL SERIAL	LS5-CD	100	850	600 111 085	0	1	B3	
CLK SERIAL	LS3-CD	72	640	572 111 064	0	1	B3	
C CLASS (W203) 220 CDI	LS5-CD	100	850	600 111 084	0	1	B3	
E200, E220, E230	12M6-AD	66	510	566 038 051	0	1	B3	
E280, E300, E320, E420, E500	LS3-CD	72	640	572 111 064	0	1	B3	
E CLASS 220 CDI, 270 CDI, 320 CDI	LS5-CD	100	850	600 111 085	0	1	B3	
G SERIAL	LS3-CD	72	640	572 111 064	0	1	B3	
ML SERIAL	LS5-CD	100	850	600 111 085	0	1	B3	
S320, S320 LONG	LS5-CD	72	640	572 111 064	0	1	B3	
S430, S430 LONG	LS5-CD	100	850	600 111 085	0	1	B3	
S500, S500 LONG	LS5-CD	100	850	600 111 085	0	1	B3	
S600, S600 LONG	LS5-CD	100	850	600 111 085	0	1	B3	
SL 280	LS3-CD	72	640	572 111 064	0	1	B3	
SL 320	LS5-CD	100	850	600 111 085	0	1	B3	
VANEO 1.6, 1.7 CDI	LS3-CD	72	640	572 111 064	0	1	B3	

## MOSKVICH

2140-2141-412-427 ASLK	12M4-BD	55	450	555 126 045	1	1	B3	
403-407-423	12H2-C	70	540	570 024 054	1	1	B9	

## NISSAN

100 NX COUPE	Special 42-D	42	300	542 105 030	1	3	B0	
200 SX	Special 42-D	42	300	542 105 030	1	3	B0	
300 ZX	Special 42-D	42	300	542 105 030	1	3	B0	
ALMERA	12H2-D	70	540	570 029 054	0	1	B9	
LAUREL	12H2-C	70	540	570 024 054	1	1	B9	
MICRA	Special 42-D	42	300	542 105 030	1	3	B0	
MAXIMA	12H2-C	70	540	570 024 054	1	1	B9	
PRIMERA	12M4-DD	60	480	560 093 048	0	1	B3	
SUNNY	Special 42-D	42	300	542 105 030	1	3	B0	
TERRANO	12H2-C	70	540	570 024 054	1	1	B9	



Marka ve Modeli Make and model	Mutlu Kodu Code of Mutlu	Kapasite Capacity	Soğuk Mars Akımı EN / A Cold Start-Current EN / A	ETN	Montaj Şekli Layout	Kutuplar Terminals	Alt Bağlantılar Hold Down	Mutlu Alternatif Kodu Alternative code of Mutlu
-----------------------------------	-----------------------------	----------------------	--	-----	------------------------	-----------------------	------------------------------	--

## OPEL

AGILA	12B1-FD	44	360	544 117 036	0	1	B3	
ASCONA	12B2-CD	45	360	545 135 036	0	1	B3	12B2-ED
ASCONA DIESEL	LS3-CD	72	640	572 111 064	0	1	B3	
ASTRA	12B2-ED	55	420	555 066 042	0	1	B3	
ASTRA 1.7 D, TD	12B4-AD	66	540	566 110 054	0	1	B3	
CALIBRA	12B2-ED	55	420	555 066 042	0	1	B3	
CORSA	12B2-ED	55	420	555 066 042	0	1	B3	
CORSA 1.7 D, TD	12B4-AD	66	540	566 110 054	0	1	B3	
FRONTERA	LS3-CD	72	640	572 111 064	0	1	B3	
KADETT	12B1-FD	44	360	544 117 036	0	1	B3	
KADETT DIESEL	LS3-CD	72	640	572 111 064	0	1	B3	
MERIVA	12B2-ED	55	420	555 066 042	0	1	B3	
OMEGA 1.8	12B4-AD	66	540	566 110 054	0	1	B3	
OMEGA 2.0 - 2.6	12B4-AD	66	540	566 110 054	0	1	B3	
REKORD	12B1-FD	44	360	544 117 036	0	1	B3	12B2-ED
TIGRA	12B2-ED	55	420	555 066 042	0	1	B3	
VECTRA	12B4-AD	66	540	566 110 054	0	1	B3	
ZAFIRA	12B4-AD	66	540	566 110 054	0	1	B3	
SPEEDSTER 2.2	12B1-FD	44	360	544 117 036	0	1	B3	

## PEUGEOT

106	12M2-BF	50	420	550 137 042	0	1	B3	
205	12M2-BF	50	420	550 137 042	0	1	B3	
206	12M2-BF	50	420	550 137 042	0	1	B3	
306	12M4-DD	60	480	560 093 048	0	1	B3	
307 1.6, 2.0	12M2-BF	50	420	550 137 042	0	1	B3	
307 HDI	12M4-AF	60	540	560 139 054	0	1	B3	
406	12M4-DD	60	480	560 093 048	0	1	B3	
406 3.0 V6 COUPE	LS3-CD	72	640	572 111 064	0	1	B3	
406 2.0 HDI	LS3-CD	72	640	572 111 064	0	1	B3	
607 2.2	LS3-CD	72	640	572 111 064	0	1	B3	
607 3.0	LS3-CD	72	640	572 111 064	0	1	B3	

## PORSCHE

911	LS3-CD	72	640	572 111 064	0	1	B3	
924	12B2-ED	55	420	555 066 042	0	1	B3	
928	LS3-CD	72	640	572 111 064	0	1	B3	
944	LS3-CD	72	640	572 111 064	0	1	B3	
BOXSTER	LS3-CD	72	640	572 111 064	0	1	B3	



Marka ve Modeli Make and model	Mutlu Kodu Code of Mutlu	Kapasite Capacity	Soğuk Hava Alarm EN / A Cold Start Performance EN / A	ETN	Montaj Şekli Layout	Kutuplar Terminals	Alt Bağlantılar Hold Down	Mutlu Alternatif Kodu Alternative code of Mutlu
<b>RENAULT</b>								
R9 1.4 SPRING, BROADWAY	12M2-BF	50	420	550 137 042	0	1	B3	
R9 1.6 FAIRWAY	12M2-BF	50	420	550 137 042	0	1	B3	
R11 1.4 GTS	12M2-BF	50	420	550 137 042	0	1	B3	
R11 1.7 FLASH, FLASH S	12M2-BF	50	420	550 137 042	0	1	B3	
R12, TOROS	12B2-CD	45	360	545 135 036	0	1	B3	12B2-ED
R21	12M4-AF	60	540	560 139 054	0	1	B3	
R19	12M4-DD	60	480	560 093 048	0	1	B3	
R19 AC	12M6-AD	66	510	566 038 051	0	1	B3	LS3-CD
R19 DIESEL	LS3-CD	72	640	572 111 064	0	1	B3	
CLIO	12M2-BF	50	420	550 137 042	0	1	B3	
CLIO 2.0	12M2-BF	50	420	550 137 042	0	1	B3	
LAGUNA	12M6-AD	66	510	566 038 051	0	1	B3	
MEGANE 1.4 - 1.6	12M4-DD	60	480	560 093 048	0	1	B3	
MEGANE 2.0	12M6-AD	66	510	566 038 051	0	1	B3	
MEGANE 1.9 DIESEL	12M6-AD	66	510	566 038 051	0	1	B3	
SAFRANE	12M6-AD	66	510	566 038 051	0	1	B3	
TWINGO	12M2-BF	50	420	550 137 042	0	1	B3	
<b>ROVER</b>								
214	12B1-FD	44	360	544 117 036	0	1	B3	
216	12B1-FD	44	360	544 117 036	0	1	B3	
220	12B1-FD	44	360	544 117 036	0	1	B3	
416	12B1-FD	44	360	544 117 036	0	1	B3	
620	12M4-DD	60	480	560 093 048	0	1	B3	
820	12M4-DD	60	480	560 093 048	0	1	B3	
75	LS3-CD	72	640	572 111 064	0	1	B3	
MGF 1.8	12B1-FD	44	360	544 117 036	0	1	B3	
FREELANDER	12B2-ED	55	420	555 066 042	0	1	B3	
LAND ROVER DISCOVERY	12H2-C	70	540	570 024 054	1	1	B9	
RANGE ROVER	12H4-A	105	760	605 103 076	0	1	B3	
<b>SAAB</b>								
900	12M4-DD	60	480	560 093 048	0	1	B3	12B2-ED
9-3	12M4-DD	60	480	560 093 048	0	1	B3	12B2-ED
9-5	LS3-CD	72	640	572 111 064	0	1	B3	
<b>SKODA</b>								
FABIA	12B2-ED	55	420	555 066 042	0	1	B3	
FAVORIT	12M4-DD	60	480	560 093 048	0	1	B3	12B2-ED
FORMAN	12M4-DD	60	480	560 093 048	0	1	B3	12B2-ED
FELICIA	12M4-DD	60	480	560 093 048	0	1	B3	12B2-ED
FELICIA DIESEL	LS3-CD	72	640	572 111 064	0	1	B3	
OCTAVIA	12M4-DD	60	480	560 093 048	0	1	B3	
OCTAVIA DIESEL	LBS4-BD	80	640	580 115 064	0	1	B3	
SUPERB 1.8 T	LS3-CD	72	640	572 111 064	0	1	B3	
SUPERB 1.9 TDI	LS5-AD	88	640	588 118 064	0	1	B3	
SUPERB 2.8 V6	LS5-AD	88	640	588 118 064	0	1	B3	
SUPERB 2.5 TDI	LS5-AD	88	640	588 118 064	0	1	B3	



Marka ve Modeli Make and model	Mutlu Kodu Code of Mutlu	Kapasite Capacity	Soğuk Hava Alımı EN / A Cold Start Performance EN / A	ETN	Montaj Şekli Layout	Kutuplar Terminals	Alt Bağlantılar Hold Down	Mutlu Alternatif Kodu Alternative code of Mutlu
-----------------------------------	-----------------------------	----------------------	--	-----	------------------------	-----------------------	------------------------------	--

### SEAT

CORDOBA	12B2-CD	45	360	545 135 036	0	1	B3	12B2-ED
IBIZA	12B2-CD	45	360	545 135 036	0	1	B3	12B2-ED
IBIZA 1.9 TDI	12B2-ED	55	420	555 066 042	0	1	B3	
LEON	LS3-CD	72	640	572 111 064	0	1	B3	
LEON 1.9 TDI	LBS4-BD	80	640	580 115 064	0	1	B3	
TOLEDO	12B2-CD	45	360	545 135 036	0	1	B3	12B2-ED
TOLEDO 1.9 TDI	LBS4-BD	80	640	580 115 064	0	1	B3	

### SSANG YONG

MUSSO	12H2-C	70	540	570 024 054	1	1	B9	
KORANDO	12H2-C	70	540	570 024 054	1	1	B9	

### SUBARU

IMPREZA	12H1-B	60	450	560 113 045	0	1	B1	
LEGACY	12H1-B	60	450	560 113 045	0	1	B1	

### SUZUKI

ALTO	Special 42-D	42	300	542 105 030	1	3	B0	
BALENO	Special 42-D	42	300	542 105 030	1	3	B0	
CARRY	Special 42-D	42	300	542 105 030	1	3	B0	
SAMURAI	Special 42-D	42	300	542 105 030	1	3	B0	
SWIFT	Special 42-D	42	300	542 105 030	1	3	B0	
VITARA	Special 42-D	42	300	542 105 030	1	3	B0	
VITARA DIESEL	Special 42-D	42	300	542 105 030	1	3	B0	
X-90	12H1-B	60	450	560 113 045	0	1	B1	
LIANA 1.6	Special 45-A	45	360	545 150 036	0	1	B0	

### TATA

TELCO	LS3-FD	75	640	575 111 064	0	1	B3	
-------	--------	----	-----	-------------	---	---	----	--

### TOYOTA

AVENSIS	12M4-DD	60	480	560 093 048	0	1	B3	
CAMRY	12H2-D	70	540	570 029 054	0	1	B9	
CELICA	12H1-B	60	450	560 113 045	0	1	B1	
COROLLA	Special 45-A	45	360	545 150 036	0	1	B0	
LAND CRUISER	12H2-D	70	540	570 029 054	0	1	B9	
RAV4	12H1-B	60	450	560 113 045	0	1	B1	
YARIS	12H1-B	60	450	560 113 045	0	1	B1	
COROLLA 1.4 VVT-I, 1.6 VVT-I	12M2-BF	50	420	550 137 042	0	1	B3	
COROLLA 1.8 VVT-I TS	12M4-DD	60	480	560 093 048	0	1	B3	
COROLLA 2.0 D4-D	LS3-CD	72	640	572 111 064	0	1	B3	





Marka ve Modeli Make and model	Mutlu Kodu Code of Mutlu	Kapasite Capacity	Soğuk Marj Alımı EN / A Cold Start Performance EN / A	ETN	Montaj Şekli Layout	Kutuplar Terminals	Alt Bağlantılar Hold Down	Mutlu Alternatif Kodu Alternative code of Mutlu
-----------------------------------	-----------------------------	----------------------	--	-----	------------------------	-----------------------	------------------------------	--

### TOFAŞ-FIAT

ALBEA	12M2-BF	50	420	550 137 042	0	1	B3	
DOĞAN	12M4-DD	60	480	560 093 048	0	1	B3	
KARTAL	12M4-DD	60	480	560 093 048	0	1	B3	
ŞAHİN	12M4-DD	60	480	560 093 048	0	1	B3	
DOĞAN TAXI	L3-AD	72	570	572 107 057	0	1	B1	
KARTAL TAXI	L3-AD	72	570	572 107 057	0	1	B1	
STILO	12M4-AF	60	540	560 139 054	0	1	B3	
ŞAHİN TAXI	L3-AD	72	570	560 139 054	0	1	B1	
TEMPRA	12M4-DD	60	480	560 093 048	0	1	B3	12B2-ED
TEMPRA 2.0	LS3-CD	72	640	572 111 064	0	1	B3	12B2-ED
UNO	12B2-CD	45	360	545 135 036	0	1	B3	
TİPO 1.6	12B2-CD	45	360	545 135 036	0	1	B3	
TİPO 2.0	12M4-DD	60	480	560 093 048	0	1	B3	
PALIO 1.2	L0-AF	40	330	540 113 033	0	1	B3	
PALIO 1.4	12M2-BF	50	420	550 137 042	0	1	B3	
PALIO 1.6	12M2-BF	50	420	550 137 042	0	1	B3	
PANDA	12M2-BF	50	420	550 137 042	0	1	B3	
PUNTO	12M2-BF	50	420	550 137 042	0	1	B3	
BRAVA	12M4-AF	60	540	560 139 054	0	1	B3	
BRAVO	12M4-AF	60	540	560 139 054	0	1	B3	
MAREA	12M4-AF	60	540	560 139 054	0	1	B3	

### UAZ

3151 2.4	12M4-BD	55	450	555 126 045	1	1	B3	
3160 2.4/2.9	12M4-JD	60	480	560 138 048	1	1	B3	LS3-ED
3151 2.4 TD/2.5/DIESEL	12M4-JD	60	480	560 138 048	1	1	B3	LS3-ED
3160 2.4 TD/DIESEL	12M4-JD	60	480	560 138 048	1	1	B3	LS3-ED

### VAZ

2104	12M4-BD	55	450	555 126 045	1	1	B3	12M4-JD
2105, 2106	12M4-BD	55	450	555 126 045	1	1	B3	12M4-JD
2107, 2108, 2109, 2110	12M4-BD	55	450	555 126 045	1	1	B3	12M4-JD
2111, 2112	12M4-BD	55	450	555 126 045	1	1	B3	12M4-JD
SAMARA 1.1/1.3/1.5	12M4-BD	55	450	555 126 045	1	1	B3	12M4-JD
SAMARA LIM. 1.1/1.3/1.5	12M4-BD	55	450	*555 126 045	1	1	B3	12M4-JD
SAMARA CABRIO 1.1/1.3/1.5	12M4-BD	55	450	555 126 045	1	1	B3	12M4-JD
NIVA 1.7/1.9/DIESEL	12M4-JD	60	480	560 138 048	1	1	B3	

### VOLGA

ALL MODELS BENZINE	12M4-JD	60	480	560 138 048	1	1	B3	
--------------------	---------	----	-----	-------------	---	---	----	--



Marka ve Modeli Make and model	Mutlu Kodu Code of Mutlu	Kapasite Capacity	Soğuk Hava Akımı EN / A Cold Start Performance EN / A	ETN	Microlaj Şekli Layout	Kutuplar Terminals	Alt Bağlantılar Hold Down	Mutlu Alternatif Kodu Alternative code of Mutlu
-----------------------------------	-----------------------------	----------------------	--	-----	--------------------------	-----------------------	------------------------------	--

### VOLKSWAGEN

NEW BEETLE	12B2-CD	45	360	545 135 036	0	1	B3	
NEW BEETLE 1.9 TDI	12B4-AD	66	540	566 110 054	0	1	B3	
BORA	12M4-DD	60	480	560 093 048	0	1	B3	
BORA 1.9 TDI	LS3-CD	72	640	572 111 064	0	1	B3	
GOLF I AND II	12B1-BD	36	300	536 053 030	0	1	B1	
GOLF III	12B2-CD	45	360	545 135 036	0	1	B3	
GOLF IV	12B2-ED	55	420	555 066 042	0	1	B3	
GOLF IV 1.9 TDI	LS3-CD	72	640	572 111 064	0	1	B3	
LUPO 1.4	12B2-ED	55	420	555 066 042	0	1	B3	
LUPO 1.4 TDI	12M4-DD	60	480	560 093 048	0	1	B3	
LUPO 1.4 GTI	12M4-DD	60	480	560 093 048	0	1	B3	
PASSAT 1.6	12B2-ED	55	420	555 066 042	0	1	B3	
PASSAT 1.8 T	12M4-DD	60	480	560 093 048	0	1	B3	
PASSAT 1.9 TDI	LBS4-BD	80	640	580 115 064	0	1	B3	
PASSAT W8	LBS4-BD	80	640	580 115 064	0	1	B3	
POLO	12B2-CD	45	360	545 135 036	0	1	B3	
POLO 1.4 TDI	12M4-DD	60	480	560 093 048	0	1	B3	
POLO 1.9 TDI	12M4-DD	60	480	560 093 048	0	1	B3	

### VOLVO

850	12M4-DD	60	480	560 093 048	0	1	B3	12B2-ED
940	12M4-DD	60	480	560 093 048	0	1	B3	12B2-ED
S40	12M4-DD	60	480	560 093 048	0	1	B3	12B2-ED
V40	12M4-DD	60	480	560 093 048	0	1	B3	12B2-ED
C70	12M4-DD	60	480	560 093 048	0	1	B3	
V70	12M4-DD	60	480	560 093 048	0	1	B3	12B2-ED
S80	12M4-DD	60	480	560 093 048	0	1	B3	12B2-ED

### ZAZ

1.1, 1.3, 1.5 ALL VERSIONS	12M2-ED	50	450	550 136 045	1	1	B3	
----------------------------	---------	----	-----	-------------	---	---	----	--

### ZIL

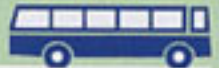
5301:AO, EO, SS, and all further models	LS3-ED	72	720	572 113 072	1	1	B3	LS5-HD
---	--------	----	-----	-------------	---	---	----	--------

# KAMYONET, KAMYON, MİNİBÜS, OTOBÜS GRUBU

VAN, TRUCK, MINIBUS, BUS GROUP



Marka ve Modeli Make and model	Sayı Number	Mutlu Kodu Code of Mutlu	Kapasite Capacity	Soğuk Mery Alımı EM / A Cold Star Performance EM / A	ETN	Montaj Şekli Layout	Kutuplar Terminals	Alt Bağlantılar Hold Down	Mutlu Alternatif Kodu Alternative code of Mutlu
<b>BMC</b>									
LEVEND 1.8	1	12H3-B	90	680	590 102 068	0	1	B3	
LEVEND 3.0	1	12H3-B	90	680	590 102 068	0	1	B3	
LEVEND 80	2	12H3-B	90	680	590 102 068	0	1	B3	
PRO 518	2	12D2-A	150	800	650 101 080	3	1	B3	
PRO 620	2	12D2-A	150	800	650 101 080	3	1	B3	
PRO 622	2	12D2-A	150	800	650 101 080	3	1	B3	
PRO 822	2	12D2-A	150	800	650 101 080	3	1	B3	
PRO 827	2	12D2-A	150	800	650 101 080	3	1	B3	
FATİH 110.08	1	12H4-A	105	760	605 103 076	0	1	B3	
FATİH 170.25	1	12H4-A	105	760	605 103 076	0	1	B3	
FATİH 200.26	1	12H4-A	105	760	605 103 076	0	1	B3	
FATİH 220.26	2	12H4-A	105	760	605 103 076	0	1	B3	
FATİH 270.26	2	12H4-A	105	760	605 103 076	0	1	B3	
BELDE 220-17C	2	12D2-A	150	800	650 101 080	3	1	B3	
LEVEND 3.0 MİNİBÜS	1	12H3-B	90	680	590 102 068	0	1	B3	
<b>CHRYSLER</b>									
AS 250	1	12D1-D	135	800	635 101 080	3	1	B3	
AS 250 WD-CC	2	12D2-G	180	1000	680 019 100	3	1	B3	
HINO FB 112	2	12M6-AD	66	510	566 038 051	0	1	B3	
AS 950AS 950	1	12D2-A	150	800	650 101 080	3	1	B3	
AS 26.235	1	12D2-A	150	800	650 101 080	3	1	B3	
AS 26.260	1	12D2-A	150	800	650 101 080	3	1	B3	
AS 32.260	1	12D2-A	150	800	650 101 080	3	1	B3	
AS 19.260	1	12D2-A	150	800	650 101 080	3	1	B3	
PL 250	1	12D2-G	180	1000	680 019 100	3	1	B3	
<b>CITROEN</b>									
BERLINGO 1.4	1	12B1-BD	36	300	536 053 030	0	1	B1	
BERLINGO 1.9 D	1	12B2-ED	55	420	555 066 042	0	1	B3	
JUMPY 1.9 D	1	LS3-CD	72	640	572 111 064	0	1	B3	
JUMPER	1	LS5-CD	100	850	600 111 085	0	1	B3	
<b>DAIHATSU</b>									
HJET	1	Special 42-C	42	300	542 103 030	1	1	B0	
<b>DACIA</b>									
PICK UP	1	12M4-DD	60	480	560 093 048	0	1	B3	
<b>DAF</b>									
95 SERIAL	2	12D3-G	225	1150	725 101 115	3	1	B0	12D3-C
500	1	12D2-G	180	1000	680 019 100	3	1	B3	
700	1	12D2-G	180	1000	680 019 100	3	1	B3	
900	2	12D2-G	180	1000	680 019 100	3	1	B3	
1100	2	12D1-D	135	800	635 101 080	3	1	B3	
1200	2	12D2-N	190	1100	690 104 110	3	1	B0	
FAS SERIAL	2	12D3-G	225	1150	725 101 115	3	1	B0	12D3-C
MB SERIAL	2	12D3-G	225	1150	725 101 115	3	1	B0	12D3-C
<b>FIAT</b>									
DOBLO CARGO	1	12M2-BF	50	420	550 137 042	0	1	B3	
DUCATO	1	LS5-CD	100	850	600 111 085	0	1	B3	
SCUDO 1.9 D	1	12M2-BF	50	420	550 137 042	0	1	B3	
SCUDO 2.0 JTD	1	12M4-AF	60	540	560 139 054	0	1	B3	
STRADA	1	12M2-BF	50	420	550 137 042	0	1	B3	



Marka ve Modeli Make and model	Sayı Number	Mutlu Kodu Code of Mutlu	Kapasite Capacity	Soluk Mily Alım EN / A Cold Start Performance EN / A	ETN	Montaj Şekli Layout	Kutuplar Terminals	Alt Bağlantılar Hood Down	Mutlu Alternatif Kodu Alternative code of Mutlu
-----------------------------------	----------------	-----------------------------	----------------------	---	-----	------------------------	-----------------------	------------------------------	--

### FORD

CARGO	1	12D1-F	120	680	620 035 068	3	1	B3	12D1-D
CARGO EDT	1	12D2-A	150	800	650 101 080	3	1	B3	
CARGO 96 CT	1	12D2-G	180	1000	680 019 100	3	1	B3	
TRANSIT	1	12M4-DD	60	480	560 093 048	0	1	B3	
TRANSIT CONNECT	1	12B1-FD	44	360	544 117 036	0	1	B3	
TRANSIT 2002	2	12B4-AD	66	540	566 110 054	0	1	B3	
TRANSIT CONNECT TD	1	LBS4-BD	80	640	580 115 064	0	1	B3	
TRANSIT DIESEL	2	12M4-DD	60	480	560 093 048	0	1	B3	
TRANSIT JUMBO	2	LBS4-BD	80	640	580 115 064	0	1	B3	
RANGER	1	12H3-C	90	680	590 106 068	1	1	B3	

### GAZ

ALL MODELS BENZINE	1	LS3GD	75	640	575 110 064	1	1	B3	
ALL MODELS DIESEL	2	12D1-D	135	800	635 101 080	3	1	B3	

### HYUNDAI

STAREX	1	12H3-C	90	680	590 106 068	1	1	B3	
H100	1	12H3-C	90	680	590 106 068	1	1	B3	
HD 35	2	12H3-C	90	680	590 106 068	1	1	B3	
HD 72-77	2	12H3-C	90	680	590 106 068	1	1	B3	
COUNTY	2	12H3-C	90	680	590 106 068	1	1	B3	
AEROCITY	2	12H3-C	90	680	590 106 068	1	1	B3	

### IKARUS

417-398.20-297.07	2	12D3-C	200	1050	700 027 105	3	1	B0	
-------------------	---	--------	-----	------	-------------	---	---	----	--

### ISUZU

NPR	2	12M6-AD	66	510	566 038 051	0	1	B3	LS3-CD
NQR	2	12M6-AD	66	510	566 038 051	0	1	B3	LS3-CD
NKR 5.0	2	12M6-AD	66	510	566 038 051	0	1	B3	LS3-CD
NKR	1	12H4-A	105	760	605 103 076	0	1	B3	
NKR-W	2	12M6-AD	66	510	566 038 051	0	1	B3	LS3-CD
NKR-LOW	1	12H4-A	105	760	605 103 076	0	1	B3	
MD23 SA	2	LS3-CD	72	640	572 111 064	0	1	B3	
MD27 SA	2	LS3-CD	72	640	572 111 064	0	1	B3	
MD27 A/S	2	LS3-CD	72	640	572 111 064	0	1	B3	
MD27 S	2	LS3-CD	72	640	572 111 064	0	1	B3	
MD22 B	2	LS3-CD	72	640	572 111 064	0	1	B3	
MD27 B	2	LS3-CD	72	640	572 111 064	0	1	B3	
MD50 B	2	LS3-CD	72	640	572 111 064	0	1	B3	
TURKUAZ	2	D3-A	128	720	628 101 072	0	1	B0	
TFR	1	12M4-DD	60	480	560 093 048	0	1	B3	
ROYAL, URBAN, CLASSIC	2	12H4-A	105	760	605 103 076	0	1	B3	

### KAMAZ

ALL MODELS	2	12D2-G	180	1000	680 019 100	3	1	B3	12D2-H
------------	---	--------	-----	------	-------------	---	---	----	--------

### KARSAN

BOXER	1	LS5-CD	100	850	600 111 085	0	1	B3	
PARTNER	1	12M2-BF	50	420	550 137 042	0	1	B3	
J9	1	12H4-A	105	760	605 103 076	0	1	B3	

### KRAZ

ALL MODELS	2	12D2-G	180	1000	680 019 100	3	1	B3	12D2-H
------------	---	--------	-----	------	-------------	---	---	----	--------

### LIAZ

ALL MODELS	2	12D2-G	180	1000	680 019 100	3	1	B3	12D2-H
------------	---	--------	-----	------	-------------	---	---	----	--------



Marka ve Modeli Make and model	Sayı Number	Mutlu Kodu Code of Mutlu	Kapasite Capacity	Soğuk Hava Altım EN / A Cold Start Performance EN / A	ETN	Montaj Şekli Layout	Kutuplar Terminals	Alt Bağlantılar Hood Down	Mutlu Alternatif Kodu Alternative code of Mutlu
-----------------------------------	----------------	-----------------------------	----------------------	--	-----	------------------------	-----------------------	------------------------------	--

### MAN

12.163	2	LS5-AD	88	640	588 118 064	0	1	B3	
32.270-310	2	12-D2-A	150	800	650 101 080	3	1	B3	
FORTUNA	2	12-D3-G	225	1150	725 101 115	3	1	B0	
S283	2	12D3-C	200HD	1050	700 027 105	3	1	B0	
TGA	2	12D3-G	225	1150	725 101 115	3	1	B0	

### MAZ

ALL MODELS	2	12D2-G	180	1000	680 019 100	3	1	B3	12D2-H
------------	---	--------	-----	------	-------------	---	---	----	--------

### MAZDA

B 2500	1	12H2-C	70	540	570 024 054	1	1	B9	
E 2200	1	12H2-C	70	540	570 024 054	1	1	B9	

### MERCEDES

O 403	2	12D3-C	200 HD	1050	700 027 105	3	1	B0	12D3-G
O 345	2	12D3-C	200 HD	1050	700 027 105	3	1	B0	12D3-G
TRAVEGO	2	12D3-C	200 HD	1050	700 027 105	3	1	B0	12D3-G
AXOR	2	12D1-F	120	680	620 035 068	3	1	B3	12D1-D
1215, 1517	2	LS5-AD	88	640	588 118 064	0	1	B3	
3031, 1938, 3224, 1821	2	12D1-F	120	680	620 035 068	3	1	B3	12D1-D
ACTROS	2	12D2-N	190	1100	690 104 110	3	1	B0	
VITO	1	LS5-CD	100	850	600 111 085	0	1	B3	
SPRINTER	1	LS5-CD	100	850	600 111 085	0	1	B3	
UNIMOG	2	12D7-B	125	800	625 023 000	2	1	B0	
ATEGO	2	LS5-AD	88	640	588 118 064	0	1	B3	

### MITSUBISHI

SAFİR	2	12D2-A	150	800	650 101 080	3	1	B3	12D2-B
SAFARI	2	12D2-A	150	800	650 101 080	3	1	B3	12D2-B
PRESTIJ	2	12H4-A	105	760	605 103 076	0	1	B3	
CANTER	2	12H3-B	90	680	590 102 068	0	1	B3	
CANTER DIESEL	2	12H3-B	90	680	590 102 068	0	1	B3	
L-200	1	12H2-C	70	540	570 024 054	1	1	B9	
L-300	1	12H2-C	70	540	570 024 054	1	1	B9	

### NISSAN

SKYSTAR	1	12H2-C	70	540	570 024 054	1	1	B9	
COUNTRY	1	12H2-C	70	540	570 024 054	1	1	B9	
URVAN	1	12H2-C	70	540	570 024 054	1	1	B9	

### OTOYOL

DAILY	1	LS5-AD	88	640	588 118 064	0	1	B3	
35.9	2	LS3-CD	72	640	572 111 064	0	1	B3	
65.9	2	LS3-CD	72	640	572 111 064	0	1	B3	
80.12	2	LS5-AD	88	640	588 118 064	0	1	B3	
120.14	2	LS5-AD	88	640	588 118 064	0	1	B3	
250E21	2	12D2-G	180	1000	680 019 100	3	1	B3	
50 NC	2	LS3-CD	72	640	572 111 064	0	1	B3	
EURO BUS E 27.14	2	LS5-AD	88	640	588 118 064	0	1	B3	
EURO BUS E 29.14	2	12H4-D	110	760	610 108 076	0	1	B3	
EURO BUS E 29.14 FLX	2	12D2-A	150	800	650 101 080	3	1	B3	
M18	2	LS3-CD	72	640	572 111 064	0	1	B3	
M23	2	LS3-CD	72	640	572 111 064	0	1	B3	
M29	2	LS5-AD	88	640	588 118 064	0	1	B3	
M24	2	LS3-CD	72	640	572 111 064	0	1	B3	
M50	2	LS5-AD	88	640	588 118 064	0	1	B3	



Marka ve Modeli Make and model	Sayı Number	Mutlu Kodu Code of Mutlu	Kapasite Capacity	Sırtak Many Alımı EN / A Cold Start Performance EN / A	ETN	Montaj Şekli Layout	Kutuplar Terminals	Alli Bağlantılar Hold Down	Mutlu Alternatif Kodu Alternative code of Mutlu
-----------------------------------	----------------	-----------------------------	----------------------	---	-----	------------------------	-----------------------	-------------------------------	--

## OTOKAR

M 2000	2	LS3-CD	72	640	572 111 064	0	1	B3	
SULTAN L	2	12H4-A	105	760	605 103 076	0	1	B3	
SULTANS	2	LS5-AD	88	640	588 118 064	0	1	B3	
LAND ROVER	1	LS5-AD	88	640	588 118 064	0	1	B3	

## OPEL

COMBO	1	12B4-AD	66	540	566 116 054	0	1	B3	
-------	---	---------	----	-----	-------------	---	---	----	--

## PEUGEOT

PARTNER	1	12M2-BF	50	420	550 137 042	0	1	B3	
BOXER	1	LS5-CD	100	850	600 111 085	0	1	B3	

## RENAULT

KANGOO	1	12M2-BF	50	420	550 137 042	0	1	B3	
EXPRESS	1	12M2-BF	50	420	550 137 042	0	1	B3	
EXPRESS DIESEL	1	LS3-CD	72	640	572 111 064	0	1	B3	
MASTER	1	LS3-CD	72	640	572 111 064	0	1	B3	

## SCANIA

BUS	2	12D2-B	165	900	665 015 090	3	1	B3	12D2-G
-----	---	--------	-----	-----	-------------	---	---	----	--------

## SKODA

PICK UP	1	LS3-CD	72	640	572 111 064	0	1	B3	
---------	---	--------	----	-----	-------------	---	---	----	--

## TATRA

815 V8-815 V12	2	12D3-C	200	1050	700 027 105	3	1	B0	
813	2	12D3-C	200	1050	700 027 105	3	1	B0	

## UAZ

ALL MODELS	1	12M4-JD	60	480	560 138 048	1	1	B3	
------------	---	---------	----	-----	-------------	---	---	----	--

## URAL

ALL MODELS	1	LS5-AD	88	640	588 118 064	0	1	B3	
------------	---	--------	----	-----	-------------	---	---	----	--

## VOLKSWAGEN

TRANSPORTER	1	LS5-CD	100	850	600 111 085	0	1	B3	
TRANSPORTER DIESEL	1	LS5-CD	100	850	600 111 085	0	1	B3	
LT DIESEL	1	LS5-CD	100	850	600 111 085	0	1	B3	
CADDY	1	12M6-AD	66	510	566 038 051	0	1	B3	LS3-CD
CADDY TDI	1	LS3-CD	72	640	572 111 064	0	1	B3	

## VOLVO

F SERISI	2	12D3-G	225	1150	725 101 115	3	1	B0	
FH SERISI	2	12D3-G	225	1150	725 101 115	3	1	B0	

## ZIL

133	2	12D2-G	180	1000	680 019 100	3	1	B3	12D2-H
-----	---	--------	-----	------	-------------	---	---	----	--------



# TRAKTÖR GRUBU



## TRACTOR GROUP



Marka ve Modeli Make and model	Sayı Number	Mutlu Kodu Code of Mutlu	Kapasite Capacity	Soğuk Marj Akımı EN / A Cold Start Performance EN / A	ETN	Montaj Şekli Layout	Kutuplar Terminals	Alt Bağlantılar Hold Down	Mutlu Alternatif Kodu Alternative code of Mutlu
-----------------------------------	----------------	-----------------------------	----------------------	--	-----	------------------------	-----------------------	------------------------------	--

### UZEL MASSEY-FERGUSON

240 S - 255 S	1	12H3-B	90	680	590 102 068	0	1	B3	
265 S - 285 S	1	12H4-A	105	760	605 103 076	0	1	B3	
398	2	12M4-OD	65	540	565 112 054	1	1	B3	
3.095-3.105	1	12H2-C	70	540	570 024 054	1	1	B9	
3.050-3.060	1	LS5-CD	100	850	600 111 085	0	1	B3	

### TURK FIAT

54-C, 54-J, 55-56, 60-56	1	12H4-A	105	760	605 103 076	0	1	B3	
70-56, 70-56 DT, 60-66, 80-66 DT	1	12D1-F	120	680	620 035 068	3	1	B3	

### TZDK

BAŞAK 2073	2	12M4-DD	60	480	560 093 048	0	1	B3	
BAŞAK 2043	1	12H3-B	90	680	590 102 068	0	1	B3	
BAŞAK 2017	1	12M4-DD	60	480	560 093 048	0	1	B3	



# MOTOSİKLET GRUBU



## MOTORCYCLE GROUP



Marka ve Modeli Make and model	Mutlu Kodu Code of Mutlu	Kapasite Capacity	Soğuk Marj Akımı EN / A Cold Start Performance EN / A	ETN	Montaj Şekli Layout	Kutuplar Terminals	Alt Bağlantılar Hold Down	Mutlu Alternatif Kodu Alternative code of Mutlu
-----------------------------------	-----------------------------	----------------------	--	-----	------------------------	-----------------------	------------------------------	--

### ANPA

JAWA 94	Special 6-18	18	150	018 101 015	2	5	B0	
JAWA 94	Special 12-9/2	9	80	509 015 008	0	5	B0	

### HONDA

HONDA TITAN	Special 12-2	2	10	502 101 001	0	K	B0	
-------------	--------------	---	----	-------------	---	---	----	--

### KURALKAN

MZ (All models)	Special 12-9/2	9	80	509 015 008	0	5	B0	
-----------------	----------------	---	----	-------------	---	---	----	--

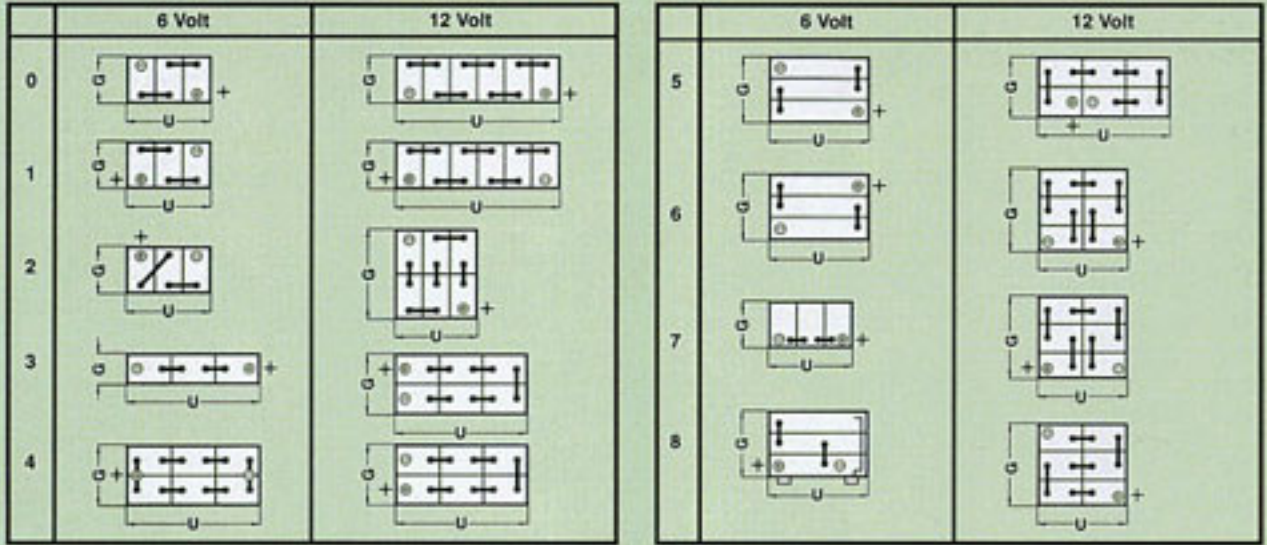
### VESPA

ALL MODELS	Special 12-5	5	30	505 012 003	0	5	B0	
BALKAN MOTOR	Special 12-9/2	9	80	509 015 008	0	5	B0	

### JETSKİ

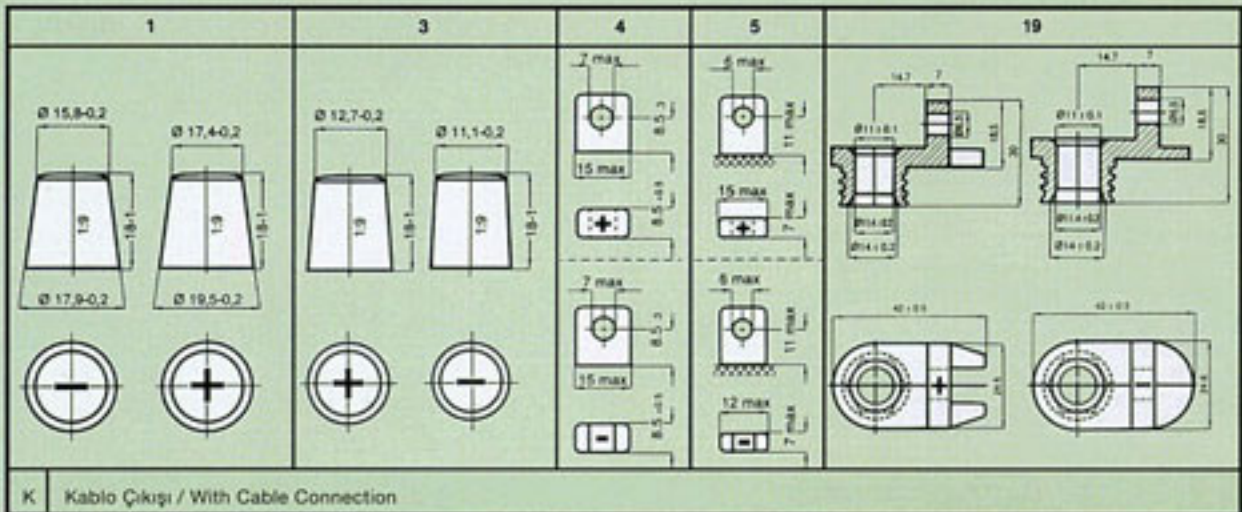
JETSKİ	Special 12-19	19	170	-	0	5	B0	
--------	---------------	----	-----	---	---	---	----	--

## MONTAJ ŞEKLİ / LAYOUT

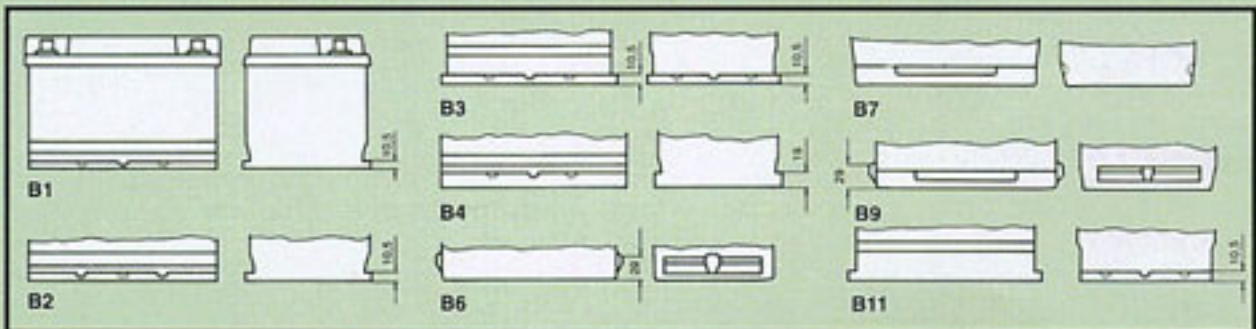


G= Yükseklik / Width  
U= Uzunluk / Length

## KUTUPLAR / TERMINALS



## AKÜMÜLATÖR ALT BAĞLANTILARI / BASE HOLD DOWN





**TSE** **KALİTE YÖNETİM SİSTEMİ BELGESİ** **TSE**  
**QUALITY MANAGEMENT SYSTEM CERTIFICATE**

**TÜRK STANDARLARI ENSTİTÜSÜ**  
**For Scope No:**  
**MS 2252-2002 ve MS 2253-2002**  
**ISO 9001:2000 ve ISO 14001:2004**  
**TS EN ISO 9001:2000 ve TS EN ISO 14001:2004**

**Multi Akl ve Makinecilik Sanayi A.Ş.**  
**Sanayi Sitesi, Çarşıbaşı Mahallesi, 06100 Beştepe, Ankara**

**TS EN ISO 9001:2000**  
**TS EN ISO 14001:2004**

**TÜRK STANDARLARI ENSTİTÜSÜ**  
**TURKISH STANDARDS INSTITUTION**

**Belge No: / Certificate No:** K-Q TSE-ISO-EN 9000  
**Belge Sahibi / Owner of Certificate:** Multi Akl ve Makinecilik Sanayi A.Ş.  
**Belge Sahibi / Owner of Certificate:** Multi Akl ve Makinecilik Sanayi A.Ş.

**CERTIFICATE**

**DQS GmbH**  
**Quality Management System**

**Multi Akl ve Makinecilik Sanayi A.Ş.**  
**Sanayi Sitesi, Çarşıbaşı Mahallesi, 06100 Beştepe, Ankara**

**TS EN ISO 9001:2000**  
**TS EN ISO 14001:2004**

**Belge No: / Certificate No:** K-Q TSE-ISO-EN 9000  
**Belge Sahibi / Owner of Certificate:** Multi Akl ve Makinecilik Sanayi A.Ş.  
**Belge Sahibi / Owner of Certificate:** Multi Akl ve Makinecilik Sanayi A.Ş.

**CERTIFICATE**

**DQS GmbH**  
**Quality Management System**

**Multi Akl ve Makinecilik Sanayi A.Ş.**  
**Sanayi Sitesi, Çarşıbaşı Mahallesi, 06100 Beştepe, Ankara**

**TS EN ISO 9001:2000**  
**TS EN ISO 14001:2004**

**Belge No: / Certificate No:** K-Q TSE-ISO-EN 9000  
**Belge Sahibi / Owner of Certificate:** Multi Akl ve Makinecilik Sanayi A.Ş.  
**Belge Sahibi / Owner of Certificate:** Multi Akl ve Makinecilik Sanayi A.Ş.

**CERTIFICATE**

**DQS GmbH**  
**Quality Management System**

**Multi Akl ve Makinecilik Sanayi A.Ş.**  
**Sanayi Sitesi, Çarşıbaşı Mahallesi, 06100 Beştepe, Ankara**

**TS EN ISO 9001:2000**  
**TS EN ISO 14001:2004**

**Belge No: / Certificate No:** K-Q TSE-ISO-EN 9000  
**Belge Sahibi / Owner of Certificate:** Multi Akl ve Makinecilik Sanayi A.Ş.  
**Belge Sahibi / Owner of Certificate:** Multi Akl ve Makinecilik Sanayi A.Ş.

**TSE**  
**TÜRK STANDARLARI ENSTİTÜSÜ**  
**TURKISH STANDARDS INSTITUTION**

**LABORATUVAR BELGESİ**  
**LABORATORY CERTIFICATE**

**TSE EN ISO 17025:2005**  
**For Scope No:**  
**MS 2252-2002 ve MS 2253-2002**  
**ISO 9001:2000 ve ISO 14001:2004**

**Multi Akl ve Makinecilik Sanayi A.Ş.**  
**Sanayi Sitesi, Çarşıbaşı Mahallesi, 06100 Beştepe, Ankara**

**Belge No: / Certificate No:** K-Q TSE-ISO-EN 9000  
**Belge Sahibi / Owner of Certificate:** Multi Akl ve Makinecilik Sanayi A.Ş.  
**Belge Sahibi / Owner of Certificate:** Multi Akl ve Makinecilik Sanayi A.Ş.

**Belge No: / Certificate No:** K-Q TSE-ISO-EN 9000  
**Belge Sahibi / Owner of Certificate:** Multi Akl ve Makinecilik Sanayi A.Ş.  
**Belge Sahibi / Owner of Certificate:** Multi Akl ve Makinecilik Sanayi A.Ş.

**Belge No: / Certificate No:** K-Q TSE-ISO-EN 9000  
**Belge Sahibi / Owner of Certificate:** Multi Akl ve Makinecilik Sanayi A.Ş.  
**Belge Sahibi / Owner of Certificate:** Multi Akl ve Makinecilik Sanayi A.Ş.

**Belge No: / Certificate No:** K-Q TSE-ISO-EN 9000  
**Belge Sahibi / Owner of Certificate:** Multi Akl ve Makinecilik Sanayi A.Ş.  
**Belge Sahibi / Owner of Certificate:** Multi Akl ve Makinecilik Sanayi A.Ş.