

740-51123
August 1995

Going Beyond Your Expectations...

Alternator & Generator Brushes

for Domestic and Import applications

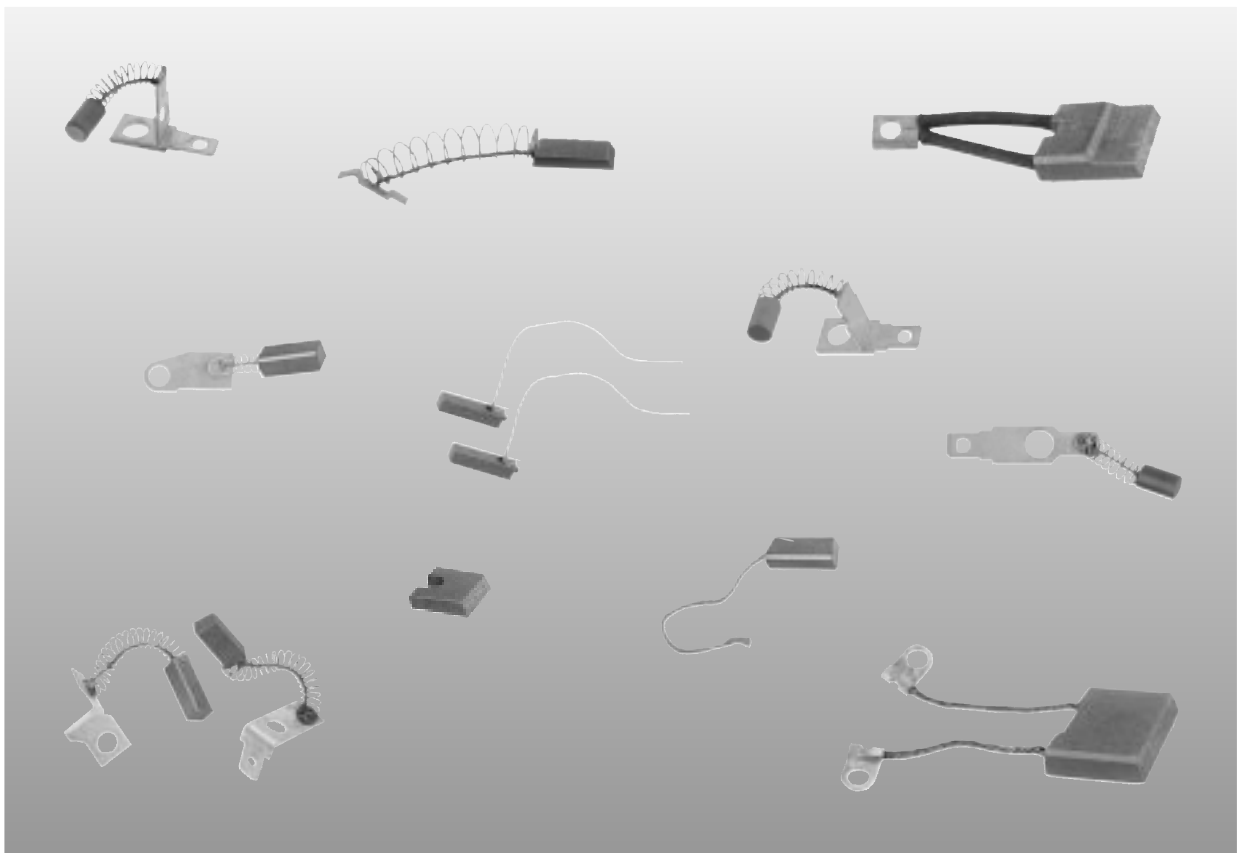


Table of Contents

Alternator & Generator Brushes

Alternator	1-8
Bosch	1
Chrysler	1-2
Delco	2-4
Ford	4-5
Hitachi	5
Leece Neville	5-6
Lucas	6
Marelli	6-7
Mitsubishi	7
Motorola	7
Nippondenso	7-8
Prestolite	8
Valeo	8
Generator	9-12
American Bosch	9
Bosch	9
Delco	9-10
Ford	10-11
Harley Davidson	11
Lucas	11
Marelli	12
Prestolite	12
OE Brush to ACE Brush Cross Reference	13-14
Lester Unit No. to ACE Brush No.	15
Index	16



(800) 835-0300 (316) 429-1000
501 S East Ave • P.O. Box 151 • Columbus, KS 66725

ACE Electric, LLC takes extensive measures to ensure the accuracy of descriptions and applications for each part represented in this publication. The sole intent of this catalog is to aid ACE Customers in the rebuilding of automotive aftermarket products. ACE assumes no responsibility for possible errors. Permission to reproduce any portion of this publication is denied.

Brush Dimensions:

Length x Width x Thickness x Lead Length
Original equipment part numbers are provided for identification only and may not be an exact cross reference. An ACE part number for a single brush may refer to a brush holder assembly or set number if the original manufacturer does not offer individual component sales numbers.

Please Note:

Import dimensions are listed in millimeters
Domestic dimensions are listed in decimal equivalents

Bosch



L -----17.0mm
W -----10.0mm
T -----5.0mm

WA-17

(122-33100)

Replaces: Bosch 1-124-014-001

Lester: 13008, 13009, 13011, 13013, 13015



L -----15.5mm
W -----8.0mm
T -----5.0mm

WA-132

(132-33101)

Replaces: Bosch 1-127-014-008, 1-127-014-011

Lester: 13026, 13028, 13032, 13050, 13054



L -----15.5mm
W -----8.0mm
T -----5.0mm

WA-132-S

(122-33102)

Replaces: 1-127-014-011

Lester: 13026, 13028, 13032, 13050, 13054

▲ Insulated



L -----19.0mm
W -----8.0mm
T -----5.0mm

WA-145

(122-33103)

Fits: Chrysler 90 & 100 Amp w/Bosch Alternator

Lester: 13018, 13023, 13054, 13055, 13056, 13067, 13077, 13093, 13094, 13101

▲ Insulated

Chrysler



L -----.375
W -----.250
T -----.250
LL -----.675

CH-1-R

(122-21100)

Ground Brush

Replaces: Chrysler 2095039

Fits: Early Chrysler Round Back

Lester: 7000, 7006



L -----.375
W -----.250
T -----.250
LL -----.690

CH-8-R

(122-21110)

Insulated Axial Brush

Replaces: Chrysler 3438202

Fits: Chrysler Round and Square Back

Lester: 7022, 7023, 7024, 7503, 7505, 7507, 7509, 7510, 7514, 7520, 7523



L -----.375
W -----.250
T -----.250
LL -----.690

CH-9-R

(122-21101)

Insulated Radial Brush

Replaces: Chrysler 2875374

Fits: Chrysler Round and Square Back

Lester: 7022, 7023, 7024, 7503, 7505, 7507, 7509, 7510, 7514, 7520, 7523



L -----.375
W -----.300
T -----.300
LL -----.675

CH-10

(122-21102)

Replaces: Chrysler 3755778

Fits: Chrysler 100 Amp

Lester: 7521, 7535



L -----.375
W -----.250
T -----.250
LL -----.750

CH-15

(122-21103)

Radial Brush

Replaces: Chrysler 4091426

Fits: Chrysler Revised Square Back

Lester: 7532, 7533, 7536, 14250



L -----.375
W -----.250
T -----.250
LL -----.820

CH-16

(122-21104)

Axial Brush

Replaces: Chrysler 4091427

Fits: Chrysler Revised Square Back

Lester: 7532, 7533, 7536, 14250

Chrysler



L-----438
W-----250
T-----250
LL-----750

CH-17

(122-21105)

Radial Brush

Replaces: Chrysler 5206920

Fits: Revised Square Back

Lester: 7532, 7533, 7537, 14250

▲ Tapped Hole



L-----438
W-----250
T-----250
LL-----820

CH-18

(122-21106)

Axial Brush

Replaces: Chrysler 5206923

Fits: Revised Square Back

Lester: 7532, 7533

▲ Tapped Hole



L-----375
W-----300
T-----300
LL-----675

CH-19

(122-21107)

Replaces: Chrysler 3755777

Fits: 100 Amp

Lester: 7521, 7535



L-----510
W-----225
T-----225
LL-----1.000

CH-20

(122-21108)

Replaces: Chrysler 5226081



L-----510
W-----225
T-----225
LL-----1.000

CH-21

(122-21109)

Replaces: Chrysler 5226082

Delco



L-----500
W-----312
T-----198
LL-----865

RA-89

(122-22115)

Replaces: Delco 1946438

Fits: Delco 10DN



L-----500
W-----312
T-----198
LL-----950

RA-90

(122-22116)

Replaces: Delco 1946439

Fits: Delco 10DN



L-----500
W-----320
T-----200
LL-----2.170

RA-91

(122-22117)

Replaces: Delco 1946433

Fits: Delco 20DN, Type 150



L-----500
W-----312
T-----198
LL-----712

RA-99

(122-22118)

Replaces: Delco 1964685

Fits: Delco 10DN

Lester: 7102, 7107, 7121, 7132

RA-99C

(122-22119)

Same as RA-99 except with Higher Copper Content



L-----500
W-----312
T-----198
LL-----575

RA-100

(122-22108)

Replaces: Delco 1864688

Fits: Delco 10DN

Lester: 7102, 7107, 7121, 7132

RA-100C

(122-22109)

Same as RA-100 except with Higher Copper Content

Delco



L-----.500
W-----.312
T-----.198
LL-----.550

RA-103

(122-22110)

Replaces: Delco 1971523

Fits: Delco 10SI & 27SI

Lester: 7127, 7127M, 7128, 7128M, 7145, 7158, 7159



L-----.945
W-----.320
T-----.200
LL-----.812

R-106

(122-22100)

Replaces: Delco 1876873

Fits: Delco 27SI, Type 200



L-----.950
W-----.320
T-----.200
LL-----.880

RA-109

(122-22111)

Replaces: Delco 1876873

Fits: Delco 10SI & 27SI



L-----.875
W-----.240
T-----.200
LL-----1.375

R-117

(122-22101)

Replaces: Delco 1894564

Fits: Delco 10SI Type 116 & 136, 21SI

Lester: 7109, 7176, 7178, 7181, 7182, 7186, 7188M, 7190



L-----.812
W-----.312
T-----.200
LL-----.800

R-119

(122-22102)

Replaces: Delco 1975325

Fits: Delco 15SI & 17SI

Lester: 7134M, 7137M, 7192M



L-----.645
W-----.312
T-----.200
LL-----.550

R-130

(122-22103)

Replaces: Delco 1986583

Fits: Delco 12SI

Lester: 7271, 7272, 7273

R-130C

(122-222103-01)

Same as R-130 except Higher Copper Content



L-----.890
W-----.320
T-----.200
LL-----.775

R-131

(122-22105)

Replaces: Delco 1989783

Fits: Delco CS144

Lester: 7805, 7806, 7812, 7813, 7814

▲ Push on Type



L-----.890
W-----.320
T-----.200
LL-----.910

R-132

(122-22106)

Replaces: Delco 1989661

Fits: Delco CS121, CS130, CS144

Lester: 7805, 7806, 7812, 7813, 7814

▲ Clip on Type



L-----.890
W-----.320
T-----.200
LL-----.910

R-133

(122-22107)

Replaces: Delco 1989660

Fits: Delco CS121 & CS130



L-----.938
W-----.250
T-----.250
LL-----2.920

RA-135

(122-22112)

Replaces: Delco 1950327

Fits: Delco 30DN



L-----1.185
W-----.500
T-----.188
LL-----1.844

RA-136

(122-22113)

Replaces: Delco 1966276

Fits: Delco 20DN, Type 250

Delco



L-----1.180
W-----.500
T-----.188
LL-----1.325

RA-139

(122-22114)

Replaces: Delco 1946435

Fits: Delco 30DN

Ford



L-----.625
W-----.250
T-----.185
LL-----1.125

F-38

(122-23100)

Replaces: Ford C3SZ-10347C



L-----.475
W-----.250
T-----.188
LL-----.950

F-39

(122-23101)

Replaces: Ford C5AF-10A367A

Fits: Ford 55 Amp

Lester: 7057, 7058, 7078, 7083



L-----.485
W-----.250
T-----.188
LL-----.950

F-42

(122-23102)

Replaces: Ford C8SF-10A367A,
C8SF-10A367B



L-----.485
W-----.250
T-----.188
LL-----.810

F-43

(122-23103)

Replaces: Ford C6VF-10A367A



L-----.650
W-----.245
T-----.185
LL-----1.500

F-44

(122-23104)

Replaces: Ford C7TF-10347B



L-----.650
W-----.245
T-----.185
LL-----.950

F-45

(122-23105)

Replaces: Ford C7TF-10347A



L-----.480
W-----.250
T-----.188
LL-----.950

F-46

(122-23106)

Replaces: Ford D0AZ-10347B

Fits: Ford 65-90 Amp Truck



L-----.490
W-----.300
T-----.156
LL-----1.450

F-55

(122-23107)

Replaces: Ford D20F-10A367BA



L-----.485
W-----.300
T-----.156
LL-----.540

F-56

(122-23108)

Replaces: Ford D20F-10A36AA

Fits: Ford 70-100 Amp Pass Car

Lester: 7072, 7074, 7704, 7705



L-----.485
W-----.300
T-----.156
LL-----1.500

F-57

(122-23110)

Replaces: Ford D20Z-10347B

Fits: Ford 70-100 Amp Pass Car

Lester: 7072, 7074, 7704, 7705



L-----.625
W-----.250
T-----.188
LL-----1.045

F-60

(122-23112)

Replaces: Ford D4HZ-10347A

Fits: Ford 65-90 Amp Truck

Ford



L-----716
W-----295
T-----156
LL-----1.030

F-63

(122-23113)

Replaces: Ford E2HZ-10347

Fits: Ford 65-90 Amp Truck



L-----480
W-----295
T-----1.560
LL-----1.290

F-64

(122-23114)

Replaces: Ford E43Z-10320A

Fits: Ford IAR

Lester: 7085, 7088, 7716



L-----709
W-----292
T-----152
LL-----850

F-67

(122-23115)

Fits: Ford 3G Late Style



L-----716
W-----298
T-----158
LL-----1.060

F-68

(122-23116)

Replaces: E9DF-10A367-AA

Fits: Ford 3G Early Style

Hitachi



L-----18.0mm
W-----7.0mm
T-----5.0mm

DA-55

(122-27100)

Lester: 14185, 14255, 14301

▲ Insulated



L-----16.0mm
W-----7.0mm
T-----6.0mm

DA-58

(122-27101)

Lester: 14101, 14103, 14107, 14114

▲ Use with DA-59



L-----16.0mm
W-----7.0mm
T-----6.0mm

DA-59

(122-27102)

Lester: 14101, 14103, 14107, 14114

▲ Use with DA-58



L-----16.0mm
W-----7.0mm
T-----5.0mm

DA-85

(122-27104)

Lester: 14185, 14255, 14301

▲ Same as DA-55 less Insulation



L-----17.0mm
W-----7.0mm
T-----5.0mm

DS-82

(122-27105)

Lester: 14191



L-----20.0mm
W-----7.0mm
T-----5.0mm

HA-146

(122-27106)

Lester: 14653, 14654, 14663, 14753,

14858, 14952



L-----19.0mm
W-----8.0mm
T-----5.0mm

HA-147

(122-27107)

Lester: 14241, 14242, 14657, 14719

Leece Neville



L-----630
W-----295

L-79

(122-24100)

Replaces: 28711

Fits: 7000 & 7020 Series

Lester: 7625, 7636

Leece Neville



L-----.630
W-----.295

L-79C

(122-24101)

Same as L-83 except Higher Copper Content



L-----.450
W-----.278

L-81

(122-24102)

Replaces: 58732

Lester: 7621



L-----.437
W-----.236
T-----.236
LL-----2.400

L-82

(122-24103)

Replaces: 38275



L-----.625
W-----.298
T-----.298
LL-----1.600

L-83

(122-24104)



L-----1.005
W-----.298
LL-----1.560

L-84

(122-24105)

Fits: 2300-2800JB Series

Lucas



L-----13.0mm
W-----4.5mm
T-----4.5mm
LL-----20.0mm

LU-49

(122-34100)

Replaces: Lucas 54218811

Lester: 13141, 13146, 13163, 13164, 14001, 14002, 14008, 14013

▲ Use w/LU-50



L-----13.0mm
W-----4.5mm
T-----4.5mm
LL-----20.0mm

LU-50

(122-34101)

Replaces: Lucas 54218706

Lester: 13141, 13146, 13163, 13164, 14001, 14002, 14008, 14013

▲ Use w/LU-49



L-----18.0mm
W-----8.0mm
T-----4.5mm
LL-----22.0mm

LU-665

(122-34102)

Replaces: Lucas 54215076

Lester: 14003, 14010, 14075



L-----18.0mm
W-----8.0mm
T-----4.5mm
LL-----22.0mm

LU-666

(122-34103)

Replaces: Lucas 54218506

Lester: 14010

Marelli



L-----16.0mm
W-----8.0mm
T-----5.0mm
LL-----19.0mm

ZA-93

(122-35100)

Lester: 13137

▲ Use w/ZA-94



L-----16.0mm
W-----8.0mm
T-----5.0mm
LL-----19.0mm

ZA-94

(124-35101)

Lester: 13137

▲ Use w/ZA-93



L-----13.0mm
W-----7.0mm
T-----5.0mm
LL-----19.0mm

ZA-95

(122-35102)

Lester: 13075, 13092, 13131, 13132, 14045

▲ Use w/ZA-96



L-----13.0mm
W-----7.0mm
T-----5.0mm
LL-----19.0mm

ZA-96

(122-35103)

Lester: 13075, 13092, 13131, 13132, 14045

▲ Use w/ZA-95

Marelli



ZAX-93

Brush Set

Lester: 13137

▲ Components: ZA-93 & ZA-94



ZAX-95

Brush Set

Lester: 13075, 13092, 13131, 13132, 14045

▲ Components: ZA-95 & ZA-96

Mitsubishi



L -----18.0mm
W -----7.0mm
T -----6.0mm
LL-----45.0mm

DA-66

(122-30100)

Used On: Ford, Mazda

Lester: 14194, 14196



L -----23.0mm
W -----8.0mm
T -----6.0mm
LL-----44.0mm

DA-86

(122-30101)

Used On: Ford

Lester: 13188, 13192



L -----18.0mm
W -----8.0mm
T -----6.0mm
LL-----64.0mm

DA-87

(122-30102)

Used On: Chrysler, Ford, Hyundai, Mazda, Mitsubishi, Nissan, Subaru

Lester: 13196, 13197, 13213, 13231, 13237, 13238, 13249, 13257, 13259, 13263, 13265, 13271, 13272, 13289, 13290, 13297, 13303, 13332, 13333, 13352, 14243, 14427, 14428, 14429, 14430, 14431, 14432, 14433, 14434, 14435, 14436, 14437, 14443, 14445, 14447, 14655, 14656, 14693, 14694, 14697, 14699, 14700, 14706, 14709, 14718, 14720, 14723, 14724, 14725, 14726, 14851, 14903, 14905, 14906, 14907, 14909, 14910, 14916, 14917, 14950, 14967, 14979, 14980



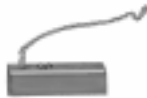
L -----19.5mm
W -----6.0mm
T -----7.0mm
LL-----47.0mm

DA-102

(122-30104)

Used On: Chrysler, Dodge, Geo, Honda, Isuzu, Plymouth, Toyota

Lester: 13249, 13254, 14196, 14199, 14231, 14267, 14268, 14307, 14550, 14557, 14571, 14596, 14597, 14600, 14646, 14650, 14696, 14698, 14701, 14702, 14703, 14704, 14711, 14712, 14713, 14714, 14915, 14982



L -----23.0mm
W -----7.0mm
T -----6.0mm
LL-----40.0mm

MA-970

(122-30105)

Used On: Chrysler, Dodge, Mazda, Mitsubishi, Nissan

Lester: 14601, 14705, 14713

Motorola



L-----590mm
W-----250mm
T-----180mm
LL-----1.955mm

M-3

(122-25100)

M-7

(122-25101)

Same as M-3 except Higher Copper Content

Nippondenso



L -----18.0mm
W -----8.0mm
T -----5.0mm
LL-----63.5mm

DA-57

(122-32100)

Used On: Chrysler, Honda, Isuzu, Kubota,

Lester: 13140, 13143, 13169, 14131, 14153, 14163, 14184, 14197, 14198, 14232, 14273, 14274, 14336, 14337, 14340, 14342, 14345, 14365, 14461, 14510, 14522, 14573, 14574, 14620, 14622, 14623, 14667, 14669, 14672, 14936



L -----22.5mm
W -----8.0mm
T -----5.0mm
LL-----50.0mm

DA-60

(122-32101)

Used On: Toyota

Lester: 14275, 14340, 14636,

Nippondenso



L -----15.0mm
W -----7.0mm
T -----5.0mm
LL -----49.0mm

DA-61

(122-32102)

Used On: Chrysler, Dodge, Eagle, Geo, Honda, Toyota & Toyota Industrial

Lester: 13184, 13185, 13220, 13229, 13234, 13240, 13241, 13255, 13256, 13277, 13280, 13294, 13301, 13302, 13304, 13305, 13306, 13307, 13308, 13309, 13310, 13311, 13312, 13313, 13319, 13322, 13341, 13391, 13442, 13544, 14449, 14453, 14454, 14460, 14591, 14611, 14630, 14668, 14671, 14674, 14678, 14679, 14682, 14683, 14843, 14847, 14851, 14855, 14857, 14869, 14924, 14927, 14930, 14931, 14935, 14937, 14940, 14941, 14974, 14989



L -----16.0mm
W -----5.0mm
T -----4.0mm
LL -----60.0mm

DA-62

(122-32103)

Used On: Isuzu, Honda, Toyota

Lester: 14131, 14158, 14540, 14593, 14761, 14856



L -----28.0mm
W -----8.0mm
T -----5.0mm
LL -----63.0mm

DA-63

(122-32104)

Used On: Toyota

Lester: 14666, 14681

Prestolite



L -----500
W -----250
T -----250
LL -----1.938

E-91

(122-26100)

Replaces: ALA-12



L -----500
W -----250
T -----250
LL -----1.500

E-92

(122-26101)

Replaces: ALA-134



L -----500
W -----250
T -----250
LL -----1.750

E-92-L

(122-26102)

Replaces: ALE-1012FS



L -----500
W -----250
T -----250
LL -----1.562

E-93

(122-26103)

Replaces: MCS-13



L -----500
W -----250
T -----250
LL -----875

E-93-L

(122-26104)

Replaces: ALE-1012AS



L -----500
W -----250
T -----250
LL -----875

E-105

(122-26105)

Replaces: ALE-1013S



L -----730
W -----312
T -----250
LL -----875

E-119

(122-26106)

Replaces: AMA-1012S

Valeo



L -----14.0mm
W -----6.5mm
T -----4.5mm

PR-89

(122-36100)

Used On: AMC, Audi, Hyundai, Peugeot, Porsche, Renault, Volvo, VW, Winnebago

Lester: 13068, 13076, 14329, 14331, 14565, 14582, 14584, 14594, 14754, 14891



L -----19.0mm
W -----7.0mm
T -----5.0mm

PRX-97

(122-36102-09)

Used On: Peugeot, Renault

Lester: 13134, 14039, 14041, 14308, 14309, 14310

▲ (1) Insulated Brush
(1) Uninsulated Brush

American Bosch



L -----25mm
W -----28mm
T -----8mm
LL-----46mm

B-81
(322-33100)



L -----27mm
W -----26mm
T -----8mm
LL-----46mm

B-81-M
(322-33100-1)



L -----28mm
W -----27mm
T -----8mm
LL-----46mm

B-82
(322-33102)

Bosch



L -----19mm
W -----14mm
T -----28mm
LL-----24mm

W-10
(322-50101)
Fits: Universal Application



L -----26mm
W -----22mm
T -----6mm
LL-----40mm

W-12
(322-33103)
Lester: 15216, 15268, 15273, 15338,
15359, 15360, 15361, 15362, 15368



L -----25mm
W -----22mm
T -----6mm

W-18
(322-33104)
Lester: 15068, 15274, 15358, 15365



L -----25mm
W -----22mm
T -----6mm

W-19
(322-33105)
Lester: 15268, 15269, 15270

Delco



L ----- 828
W ----- 875
T ----- 310
LL -----2.000

FH-152
(322-22101)
Replaces: 1946427



L -----1.000
W -----1.590
T -----308
LL -----2.188

D-85
(322-22100)
Replaces: 1906901



L ----- .750
W ----- .740
T ----- .250

R-31
(322-22102)
Replaces: 1880225

L ----- .750
W ----- .740
T ----- .250

R-31-M
(322-22102-01)
Replaces: 1964716



L ----- .781
W ----- .870
T ----- .250
LL -----1.750

R-46
(322-22104)
Replaces: 1906984



L ----- .781
W ----- .870
T ----- .305
LL -----1.750

R-47
(322-22105)
Replaces: 1856494

Delco



L-----.937
W-----.870
T-----.245
LL-----2.000

R-51

(322-22106)

Replaces: 1878249



L-----.937
W-----.870
T-----.245
LL-----2.000

R-51-S

(322-22106-01)

Replaces: 1932506



L-----1.060
W-----1.250
T-----.307
LL-----1.375

R-56-R

(322-22108)

Replaces: 1906911



L-----1.060
W-----1.250
T-----.307
LL-----1.375

R-56-T

(322-22108-01)

Replaces: 1906979



L-----1.560
W-----1.250
T-----.307
LL-----1.375

R-56-TL

(322-22108-02)

Replaces: 1946406



L-----.925
W-----.870
T-----.250
LL-----2.000

R-58

(322-22111)

Replaces: 1923295



L-----1.000
W-----.870
T-----.310
LL-----2.000

R-59

(322-22112)

Replaces: 1906931



L-----.937
W-----.870
T-----.250
LL-----2.000

R-96

(322-22113)

Replaces: 1932506

Ford



L-----.795
W-----.775
T-----.281

F-9

(322-23100)

Replaces: 18-10069



L-----.795
W-----.775
T-----.281

F-9-C

(322-23100-01)

Replaces: 18-10070



L-----.875
W-----1.000
T-----.291
LL-----.975

F-14

(322-23102)

Replaces: 01A-10069



L-----.875
W-----1.000
T-----.291
LL-----.975

F-14-S

(322-23102-01)

Replaces: C0AF-10069A

Ford



L-----.625
W-----.595
T-----.185
LL-----1.250

F-19

(322-23104)

Replaces: 9N-10069A



L-----.895
W-----.930
T-----.291
LL-----.920

F-33

(322-23105)

Replaces: C1AF-10069A



L-----.900
W-----.680
T-----.215
LL-----2.500

F-41

(322-23106)

Replaces: 309791

Harley Davidson



L-----.812
W-----.500
T-----.500
LL-----1.500

H-4

(322-39100)



L-----.750
W-----.510
T-----.125
LL-----1.550

H-4-C

(322-39101)



L-----.687
W-----.622
T-----.281
LL-----1.660

H-9

(322-39102)

Lucas



L-----15.8mm
W-----19.0mm
T-----6.0mm
LL-----49.0mm

LU-10

(322-34101)

Replaces: 227304



L-----17.95mm
W-----24.0mm
T-----6.5mm
LL-----52.0mm

LU-61

(322-34100)

Replaces: 224012



L-----18.8mm
W-----19.0mm
T-----7.0mm
LL-----64.0mm

LU-148

(322-34102)

Replaces: 203148



L-----18.5mm
W-----19.0mm
T-----5.7mm
LL-----41.0mm

LU-149

(322-34103)

Replaces: 227541

Marelli



L -----25.0mm
W -----22.0mm
T -----5.8mm
LL -----55.0mm

Z-3
(322-35100)



L -----19.0mm
W -----14.0mm
T -----6.0mm
LL -----26.0mm

Z-4
(322-35101)

Prestolite



L -----625
W -----498
T -----248

E-32
(322-26100)
Replaces: GAS-12



L -----625
W -----498
T -----185

E-32-C
(322-26100-01)
Replaces: GAS-13



L-----875
W-----766
T-----250
LL-----1.938

E-39
(322-26102)
Replaces: GBM-1012A



L-----875
W-----766
T-----188
LL-----1.938

E-39-C
(322-26102-01)
Replaces: GBM-1013A



L-----875
W-----890
T-----250
LL-----2.187

E-43
(322-26104)
Replaces: GCF-1012



L-----875
W-----890
T-----185
LL-----2.187

E-43-C
(322-26104-01)
Replaces: GAF-1013



L-----875
W-----890
T-----250
LL-----2.187

E-45
(322-26106)
Replaces: GBW-1012A



L-----900
W-----885
T-----250
LL-----1.750

E-57
(322-26107)
Replaces: GGU-1012A



L-----875
W-----885
T-----250
LL-----1.750

E-62
(322-26108)
Replaces: GJC-1012A



L-----875
W-----890
T-----248
LL-----1.750

E-74
(322-26109)
Replaces: 11-15, -22, -29, GGY-2012S



L-----625
W-----430
T-----245
LL-----2.437

E-84
(322-26110)
Replaces: GJG-1012

OE BRUSH TO ACE BRUSH CROSS REFERENCE



OE Brush No.	ACE Brush No.
--------------	---------------

AMERICAN BOSCH

BR-601 B-81
 BR-602 B-81-M
 BR-609 B-82

BOSCH

1-124-014-001 WA-17
 1-124-320-003 WA-132
 1-124-320-004 WA-132
 1-124-320-008 WA-132
 1-124-320-013 WA-17
 1-124-320-024 WA-132-S
 1-124-320-027 WA-132
 1-124-320-027 WA-132-S
 1-124-320-028 WA-17
 1-124-027-040 WA-132-S
 1-124-320-047 WA-145
 1-124-320-062 WA-145
 1-124-320-074 WA-145
 1-127-014-004 WA-132
 1-127-014-005 WA-132
 1-127-014-008 WA-132
 1-127-014-011 WA-132

CHRYSLER

CH-617 CH-1-R & CH-9-R
 CH-619 CH-15 & CH-16
 2095039 CH-1-R
 2421114 CH-1-R & CH-9-R
 2875374 CH-9-R
 2932755 CH-9-R
 3420893 CH-8-R & CH-9-R
 3438202 CH-8-R
 3755777 CH-19
 3755778 CH-10
 3838079 CH-10
 3838079 CH-19
 4052928 CH-15
 4052928 CH-16
 4091426 CH-15
 4091427 CH-16
 4091445 CH-15
 4094027 CH-8-R
 4094027 CH-9-R
 4106106 CH-17
 4106106 CH-18
 4176060 CH-17
 4176060 CH-18
 5206920 CH-17
 5206923 CH-18
 5211772 CH-17
 5211772 CH-18
 5226081 CH-20
 5226082 CH-21

DELCO

D-700 R-51
 D-701 R-56
 D-702 R-59
 D-704 R-58
 D-705 R-58-S
 D-706 R-51
 D-708 RA-89/RA-90
 D-709 R-31
 D-712 R-46
 D-714 D-85
 D-718 R-59

OE Brush No.	ACE Brush No.
--------------	---------------

D-719 R-56-T
 D-721 R-46
 D-723 RA-135
 D-724 RA-91/S-1334
 D-725 RA-136
 D-727 RA-103/S-1334
 D-758 R-87
 D-759 R-87
 D-761 R-87
 38367 D-115
 809637 R-31
 820225 R-31
 820517 R-31
 1836664 R-31-M
 1838340 D-85
 1850761 R-46
 1852889 R-132
 1853611 R-46
 1856494 R-47
 1858197 RA-99
 1858197 RA-100
 1858197 S-1334
 1860344 R-46
 1864688 RA-100
 1864468 RA-100C
 1866148 R-46
 1876873 R-106
 1876873 RA-109
 1878209 R-51
 1878249 R-51
 1880225 R-31
 1880512 R-47
 1880998 R-31
 1894563 R-117
 1894564 R-117
 1906901 D-85
 1906911 R-56-R
 1906917 R-51
 1906918 R-109
 1906921 R-58-S
 1906922 R-47
 1906923 R-46
 1906925 R-46
 1906926 R-56-R
 1906929 R-46
 1906931 R-59
 1906937 R-58-S
 1906939 R-31
 1906946 R-58-S
 1906950 R-46
 1906955 R-46
 1906956 R-58-S
 1906958 R-87
 1906962 R-87
 1906988 R-87
 1906970 R-58-S
 1906973 R-99
 1906974 R-59
 1906979 R-56-T
 1906984 R-46
 1906987 R-87
 1906989 R-100
 1923295 R-58
 1932506 R-58-S
 1935085 R-115
 1946427 FH-152
 1946432 RA-136

OE Brush No.	ACE Brush No.
--------------	---------------

1946433 RA-91
 1946434 R-88
 1946435 RA-139
 1946437 R-99
 1946438 RA-89
 1946439 RA-90
 1946438 RA-89
 1946439 RA-90
 1946445 R-98
 1946437 R-99
 1946438 RA-89
 1946439 RA-90
 1946445 R-98
 1946448 RA-139
 1946483 R-101
 1950327 RA-135
 1954149 RA-135
 1958197 RA-89
 1958197 RA-90
 1958827 RA-91 & S-1334
 1959588 RA-135
 1964685 RA-99C
 1964716 R-31-M
 1964685 RA-99
 1966276 RA-136
 1971521 RA-103 & S-1334
 1971523 RA-103
 1975323 RA-119
 1986583 R-130
 1989660 R-133
 1989661 R-132
 1989783 R-131
 10495229 R-132

FIAT

4149619 ZA-95
 4149620 ZA-96
 4190088 ZA-93
 4190090 ZA-94
 4190094 ZAX-93
 9923274 WA-132-S

FORD

GB-120A F-46
 GB-304 F-60
 A-10069C F-9
 B-10069 F-9
 UO-10069 F-9
 18-10069 F-9
 01A-10069 F-14
 9N-10069A F-19
 C0AZ-10069B F-14
 B6A-10069A F-14-S
 C1AF-10069A F-33
 C1AF-10069B F-33
 C1AZ-10069A F-33
 C1AZ-10069B F-33
 C1VF-10069A F-33
 C1VF-100669B F-33
 C0AF-10069A F-14-S
 C5NF-10069B F-41
 18-10070 F-9-C
 A-10070C F-9-C
 B-10070 F-9-C
 40-10070 F-9-C
 E43Z-10320A F-64
 C5AZ-10347A F-39

OE Brush No.	ACE Brush No.
--------------	---------------

D0AZ-10347A F-46
 D20Z-10347A F-55
 E8PZ-10347A DA-86
 C35Z-10347C F-38
 C7TF-10347B F-44
 C7TF-10347A F-45
 D0AZ-10347B F-46
 D20Z-10347B F-57
 D4HZ-10347A F-60
 C5AF-10A367A F-39
 C5AF-10A367B F-39
 C6VF-10A367A F-43
 C6VF-10A367B F-42
 C6VY-10A367A F-43
 C8AF-10A367A F-43
 C8SF-10A367A F-42
 C8SF-10A367B F-42
 D20F-10A367AA F-56
 D20F-10A367BA F-55
 E6HF-10A383A F-63
 E9DF-10A367-AA F-68
 2900345 F-14
 309791 F-41

HARLEY DAVIDSON

1669-32A H-4
 30426-58 H-9

HITACHI

L120-5326 DA-55
 L120-5327 DA-85

HONDA

31144-516-004 DA-57
 31144-611-004 DA-57
 31144-671-004 DA-62
 31144-PD1-004 DA-61

LEECE NEVILLE

28711 L-79
 28711 L-79C
 38275 L-82
 58732 L-81
 77302 L-83
 77650 L-84

LUCAS

54215076 LU-665
 54218506 LU-666
 54218706 LU-50
 54218811 LU-49
 54219368 LU-49

MARELLI

4149619 ZA-95
 4149620 ZA-96
 4230515 ZA-93

MITSUBISHI

A648C01270 DA-66
 A648D02570 DA-87
 A648D02970 DA-87

OE BRUSH TO ACE BRUSH CROSS REFERENCE



OE Brush No. ACE Brush No.

MITSUBISHI MOTORS

MD602018DA-66
 MD602783DA-102
 MD607373DA-102
 MD611035DA-87
 MD611566DA-87
 MD611566DA-87
 ME021981DA-57

MOTOROLA

87M-44031A11M-3
 87M-44031AA11M-7

OE Brush No. ACE Brush No.

NIPPONDENSO

021660-0130DA-57
 021660-0311DA-63
 021660-0320DA-62
 021660-0330DA-60
 021660-0390DA-61

NISSAN

23135-H0300DA-85
 23135-H0301DA-85
 23135-P4510DA-102
 23135-W7110DA-102

OE Brush No. ACE Brush No.

23135-13E10DA-87
 23135-21000DA-58
 23135-21001DA-59

PARIS RHONE

26651PR-89

PRESTOLITE

ALA-12E-91
 ALA-13E-92
 ALE-1012CE-93-L
 ALE-1012FSE-92-L

OE Brush No. ACE Brush No.

ALE-1012KSE-93
 ALE-1013SE-105
 AMA-1012SE-119

TOYOTA

27371-31011DA-57
 27371-44070DA-60
 27371-63020DA-61
 27372-56070DA-63



LESTER UNIT No. to ACE BRUSH No.

Lester No.	Brush No.	Lester No.	Brush No.	Lester No.	Brush No.	Lester No.	Brush No.
13008	WA-17	13289	DA-87	14301	DA-85	14674	DA-61
13009	WA-17	13290	DA-87	14307	DA-102	14678	DA-61
13011	WA-17	13294	DA-61	14308	PRX-97	14679	DA-61
13013	WA-17	13297	DA-87	14309	PRX-97	14681	DA-62
13015	WA-17	13301	DA-61	14329	PR-89	14682	DA-61
13018	WA-145	13302	DA-61	14331	PR-89	14683	DA-61
13023	WA-145	13303	DA-87	14336	DA-57	14693	DA-87
13026	WA-132	13304	DA-61	14337	DA-57	14694	DA-87
13026	WA-132-S	13305	DA-61	14340	DA-57	14696	DA-102
13028	WA-132	13306	DA-61	14340	DA-60	14697	DA-87
13028	WA-132-S	13307	DA-61	14342	DA-57	14698	DA-102
13032	WA-132	13308	DA-61	14345	DA-57	14700	DA-87
13032	WA-132-S	13309	DA-61	14365	DA-57	14701	DA-102
13050	WA-132	13310	DA-61	14427	DA-87	14702	DA-102
13050	WA-132-S	13311	DA-61	14428	DA-87	14703	DA-102
13054	WA-132	13312	DA-61	14429	DA-87	14704	DA-102
13054	WA-132-S	13313	DA-61	14430	DA-87	14705	MA-970
13054	WA-145	13319	DA-61	14431	DA-87	14706	DA-87
13055	WA-145	13322	DA-61	14432	DA-87	14709	DA-87
13056	WA-145	13332	DA-87	14433	DA-87	14711	DA-102
13067	WA-145	13333	DA-87	14434	DA-87	14712	DA-102
13068	PR-89	13341	DA-61	14435	DA-87	14713	DA-102
13075	ZA-95	13352	DA-87	14436	DA-87	14713	MA-970
13075	ZA-96	13391	DA-61	14437	DA-87	14714	DA-102
13076	PR-89	13442	DA-61	14443	DA-87	14718	DA-87
13077	WA-145	13544	DA-61	14445	DA-87	14719	HA-147
13092	ZA-95	14003	LU-665	14447	DA-87	14720	DA-87
13092	ZA-96	14010	LU-665	14449	DA-61	14723	DA-87
13093	WA-145	14010	LU-666	14453	DA-61	14724	DA-87
13094	WA-145	14039	PRX-97	14454	DA-61	14725	DA-87
13101	WA-145	14041	PRX-97	14460	DA-61	14726	DA-87
13131	ZA-95	14045	ZA-95	14461	DA-57	14753	HA-146
13131	ZA-96	14045	ZA-96	14510	DA-57	14754	PR-89
13132	ZA-95	14075	LU-665	14522	DA-57	14761	DA-62
13132	ZA-96	14101	DA-58	14540	DA-62	14843	DA-61
13134	PRX-97	14101	DA-59	14550	DA-102	14847	DA-61
13137	ZA-93	14103	DA-58	14557	DA-102	14851	DA-61
13137	ZA-94	14103	DA-59	14565	PR-89	14851	DA-87
13137	ZAX-93	14107	DA-58	14571	DA-102	14855	DA-61
13140	DA-57	14107	DA-59	14573	DA-57	14856	DA-62
13143	DA-57	14114	DA-58	14574	DA-57	14857	DA-61
13169	DA-57	14114	DA-59	14582	PR-89	14858	HA-146
13184	DA-61	14131	DA-57	14584	PR-89	14869	DA-61
13185	DA-61	14131	DA-62	14591	DA-61	14891	PR-89
13188	DA-86	14153	DA-57	14593	DA-62	14903	DA-87
13192	DA-86	14158	DA-62	14594	PR-89	14905	DA-87
13196	DA-87	14163	DA-57	14596	DA-102	14906	DA-87
13197	DA-87	14184	DA-57	14597	DA-102	14907	DA-87
13213	DA-87	14185	DA-55	14600	DA-102	14909	DA-87
13220	DA-61	14185	DA-85	14601	MA-970	14910	DA-87
13229	DA-61	14191	DS-82	14611	DA-61	14915	DA-102
13231	DA-87	14194	DA-66	14620	DA-57	14916	DA-87
13234	DA-61	14196	DA-102	14622	DA-57	14917	DA-87
13237	DA-87	14196	DA-66	14623	DA-57	14924	DA-61
13238	DA-87	14197	DA-57	14630	DA-61	14927	DA-61
13240	DA-61	14198	DA-57	14636	DA-60	14930	DA-61
13241	DA-61	14199	DA-102	14646	DA-102	14931	DA-61
13249	DA-102	14231	DA-102	14650	DA-102	14935	DA-61
13249	DA-87	14232	DA-57	14653	HA-146	14936	DA-57
13254	DA-102	14241	HA-147	14654	HA-146	14937	DA-61
13255	DA-61	14242	HA-147	14655	DA-87	14940	DA-61
13256	DA-61	14243	DA-87	14656	DA-87	14941	DA-61
13257	DA-87	14255	DA-55	14657	HA-147	14950	DA-87
13259	DA-87	14255	DA-85	14663	HA-146	14952	HA-146
13263	DA-87	14267	DA-102	14666	DA-62	14967	DA-87
13265	DA-87	14268	DA-102	14667	DA-57	14974	DA-61
13271	DA-87	14273	DA-57	14668	DA-61	14979	DA-87
13272	DA-87	14274	DA-57	14669	DA-57	14980	DA-87
13277	DA-61	14275	DA-60	14671	DA-61	14982	DA-102
13280	DA-61	14301	DA-55	14672	DA-57	14989	DA-61

ACE PART No.	PAGE	ACE PART No.	PAGE	ACE PART No.	PAGE	ACE PART No.	PAGE	ACE PART No.	PAGE
B-81.....	9	E-105.....	8	F-44.....	4	LU-665.....	6	RA-100C.....	2
B-81-M.....	9	E-32.....	12	F-45.....	4	LU-666.....	6	RA-103.....	3
B-82.....	9	E-32-C.....	12	F-46.....	4	M-3.....	7	RA-109.....	3
CH-1-R.....	1	E-39.....	12	F-55.....	4	M-7.....	7	RA-136.....	3
CH-8-R.....	1	E-39-C.....	12	F-56.....	4	MA-970.....	7	RA-139.....	4
CH-9-R.....	1	E-43.....	12	F-57.....	4	PR-89.....	8	RA-89.....	2
CH-10.....	1	E-43-C.....	12	F-60.....	4	PRX-97.....	8	RA-90.....	2
CH-15.....	1	E-45.....	12	F-63.....	5	R-31.....	9	RA-91.....	2
CH-16.....	1	E-57.....	12	F-64.....	5	R-31-M.....	9	RA-99.....	2
CH-17.....	2	E-62.....	12	F-67.....	5	R-46.....	9	RA-99C.....	2
CH-18.....	2	E-74.....	12	F-68.....	5	R-47.....	9	W-10.....	9
CH-19.....	2	E-84.....	12	FH-152.....	9	R-51.....	10	W-12.....	9
CH-20.....	2	E-91.....	8	H-4.....	11	R-51-S.....	10	W-18.....	9
CH-21.....	2	E-92.....	8	H-4-C.....	11	R-56-R.....	10	W-19.....	9
D-85.....	9	E-92-L.....	8	H-9.....	11	R-56-T.....	10	WA-17.....	1
DA-55.....	5	E-93.....	8	HA-146.....	5	R-56-TL.....	10	WA-132.....	1
DA-57.....	7	E-93-L.....	8	HA-147.....	5	R-58.....	10	WA-132-S.....	1
DA-58.....	5	E-119.....	8	L-79.....	5	R-59.....	10	WA-145.....	1
DA-59.....	5	F-9.....	10	L-79C.....	6	R-96.....	10	Z-3.....	12
DA-60.....	7	F-9-C.....	10	L-81.....	6	R-106.....	3	Z-4.....	12
DA-61.....	8	F-14.....	10	L-82.....	6	R-117.....	3	ZA-93.....	6
DA-62.....	8	F-14-S.....	10	L-83.....	6	R-119.....	3	ZA-94.....	6
DA-63.....	8	F-19.....	11	L-84.....	6	R-130.....	3	ZA-95.....	6
DA-66.....	7	F-33.....	11	LU-10.....	11	R-130C.....	3	ZA-96.....	6
DA-85.....	5	F-38.....	4	LU-49.....	6	R-131.....	3	ZAX-93.....	7
DA-86.....	7	F-39.....	4	LU-50.....	6	R-132.....	3	ZAX-95.....	7
DA-87.....	7	F-41.....	11	LU-61.....	11	R-133.....	3		
DA-102.....	7	F-42.....	4	LU-148.....	11	R-135.....	3		
DS-82.....	5	F-43.....	4	LU-149.....	11	RA-100.....	2		