

2008 - 2009 Wiring Pigtail Kits Identification Guide



Designed, engineered and recommended by Ford Motor Company.

Wire Splice Tool Kit

Part Number 164-R5903

Integrated Wire Splice Tool Kit for the maintenance and repair of electrical wiring harnesses.

Designed, engineered and recommended by Ford Motor Company.



Wire Splice Tool Kit

Rotunda Part #: 164-R5903

Ford has identified through testing and engineering analysis the optimal repair procedure for solderless wire splicing.

In support of this new wire repair procedure, Ford is pleased to release to the field the new integrated Wire Splice Tool Kit. This unique kit was designed by Ford Engineering, to provide all dealers access to all the approved application tools and components required to complete a repair, that meets Ford Motor Company engineering specifications.

- 164-R5901 Ratchet Action Crimp Tool (3 crimp cavities)
- 164-R5902 Shielded Flameless Heat Gun with deflector, stand and spare orifice
- Assortment of 20 pcs. of 22-18, 20 pcs. of 16-14, and 15 pcs. of 12-10 AWG butt splices (55 pcs. in total)
- Adhesive-lined Heat Shrinkable Tubing - 2" cut pieces (55 pcs.)
- 1 each of WT-56814, WT-56815 and WT-56816 Motorcraft® Wire Splice/Shrink Tubing Package
- Metal carrying box with metal latch and a foam insert to protect and secure application tools
- Rotunda/Motorcraft® graphic labels
- Inside matrix label with illustration and replenishment part numbers
- Crimp/Heat Shrink Wire Splice Procedure Instruction Sheet
- Crimp Tool and Heat Gun Instruction Sheets
- Plastic storage containers for butt splices (3) and heat shrink tubing

To order call 1-800-ROTUNDA, Select Option #2



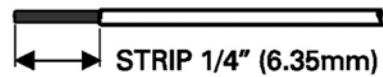


Motorcraft®

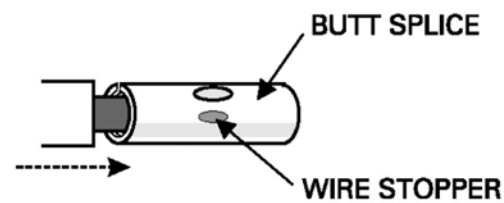
Wire Splice/Shrink Tubing Kit

www.motorcraft.com

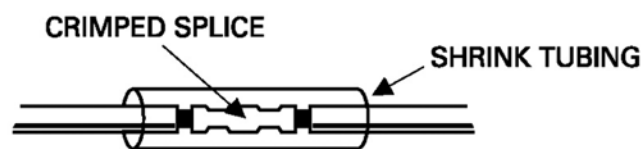
Strip it!



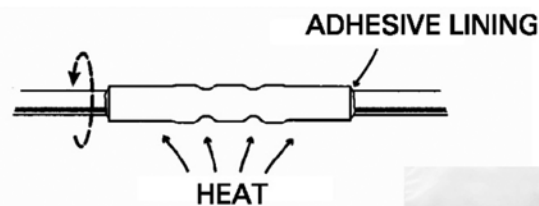
Crimp it!



Seal it!



Ford Approved Wire Splice!



To Re-order

22-18 AWG-Order WT-56814

16-14 AWG-Order WT-56815

12-10 AWG-Order WT-56816

Motorcraft® Wire Splice/Shrink Tubing Packages

■ The new Motorcraft® wire splice/heat shrink packages are to be purchased as replenishment parts for the new ROTUNDA Wire Splice Tool Kit. They contain 5 uninsulated butt splices, 5 pieces of dual wall adhesived-lined heat shrink tubing, and the new instruction sheet detailing the approved wire splice procedure as defined by Ford Motor Company.

■ The package will construct five complete splice repairs and are available in three wire ranges:

Motorcraft® Part #: Wire Range

WT-56814 22-18 AWG

WT-56815 16-14 AWG

WT-56816 12-10 AWG

Expanded wire gauge applications for these splices can be found in TSB 03-11-6

■ Ford Engineering has determined that the combination of the crimped uninsulated butt splice, insulated with a 2" piece of adhesive-lined heat shrink tubing, has proven superior in terms of strength, durability, and corrosion resistance. When heated, the tubing shrinks and the adhesive lining melts and flows to form a rugged, environmentally sealed barrier against corrosion, and eliminates the potential deterioration of the vehicles electrical wiring harness.

■ As separate components, these butt connectors and heat shrinkable tubings are known for their superior quality and performance. Combined, you cannot achieve better results, and this is precisely why Ford Motor Company has chosen this combination for repairing wiring harnesses.

■ Recommended Applications Tools:

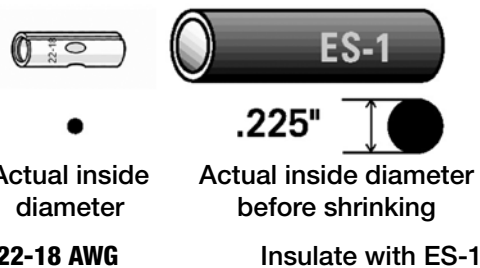
164-R5901 Ford Approved Crimp Tool

164-R5902 Shielded Flameless Heat Gun

Refer to Technical Service Bulletin Number 03-11-6
Wire Splice Procedure SK3U2J-14293-AA

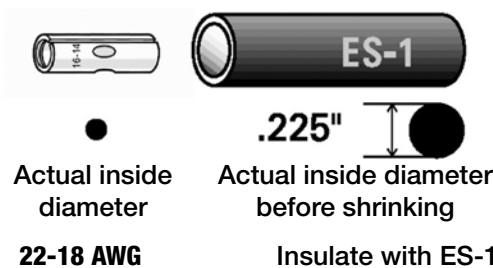
Motorcraft® Part #
WT-56814

Replenishment package contains:
5 splices/5 heat shrinkable tubing



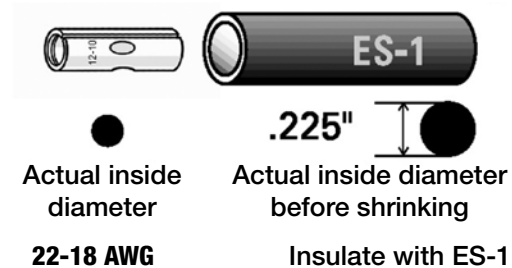
Motorcraft® Part #
WT-56815

Replenishment package contains:
5 splices/5 heat shrinkable tubing



Motorcraft® Part #
WT-56816

Replenishment package contains:
5 splices/5 heat shrinkable tubing



Motorcraft® is a registered trademark of Ford Motor Company.



WPT265
3U2Z-14S411-GCA



WPT274
3U2Z-14S411-GXA



WPT674
3U2Z-14S411-CRAA



WPT237
3U2Z-14S411-TA



WPT499
3U2Z-14S411-RDA



WPT616
3U2Z-14S411-NSA



WPT476
3U2Z-14S411-NRA



WPT371
3U2Z-14S411-KBA



WPT305
3U2Z-14S411-CJA



WPT378
3U2Z-14S411-FJA



WPT407
3U2Z-14S411-KRA



WPT539
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WPT488
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WPT434
3U2Z-14S411-MFA



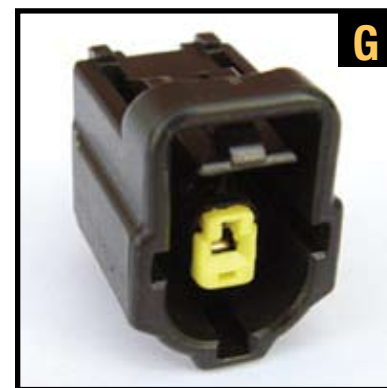
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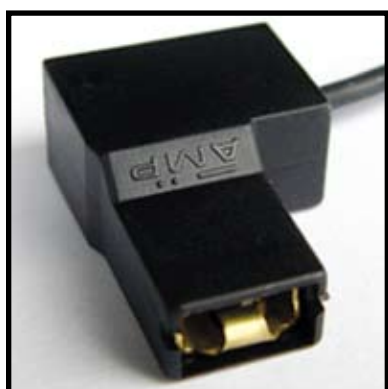
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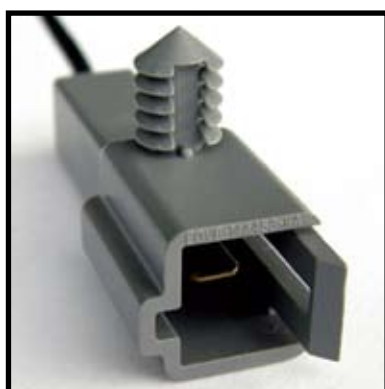
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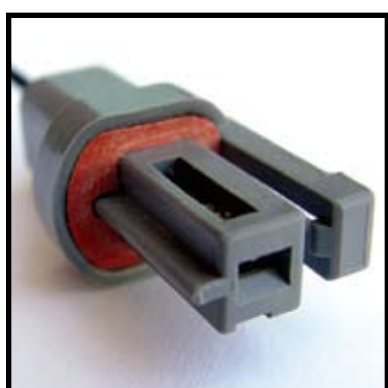
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3U2Z-14S411-FEA



WPT562
3U2Z-14S411-RTA



WPT461
3U2Z-14S411-NYA



WPT700
3U2Z-14S411-DBAA



WPT797
3U2Z-14S411-FDAA



WPT851
5U2Z-14S411-SA

G = Gold-plated pins



WPT852
5U2Z-14S411-TA

G = Gold-plated pins



WPT342
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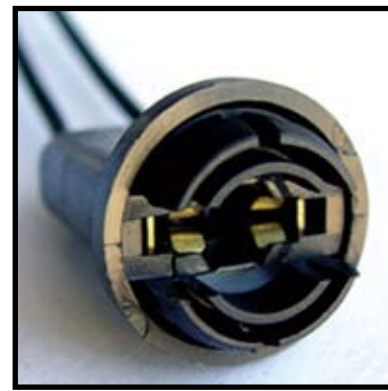
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WPT776
3U2Z-14S411-ERAA



WPT789
3U2Z-14S411-DKAA



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WPT351
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WPT365
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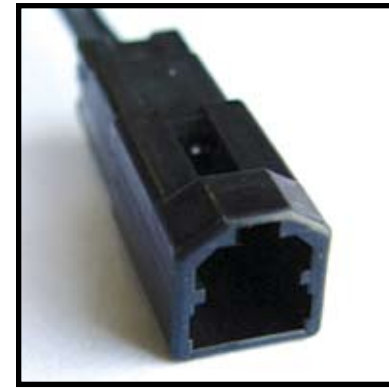
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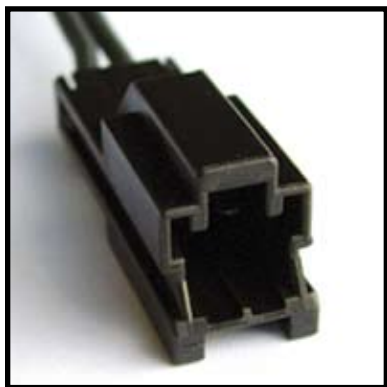
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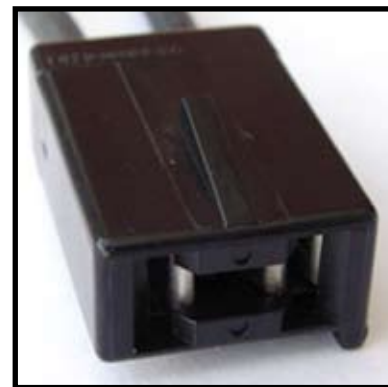
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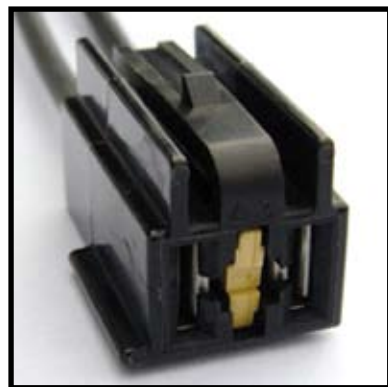
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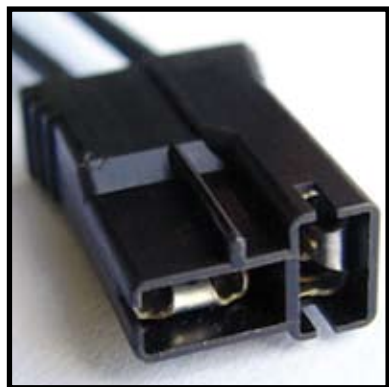
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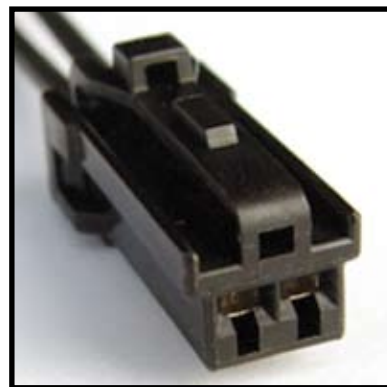
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WPT405
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WPT355
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WPT486
3U2Z-14S411-RCA



WPT197
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WPT288
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3U2Z-14S411-XLA



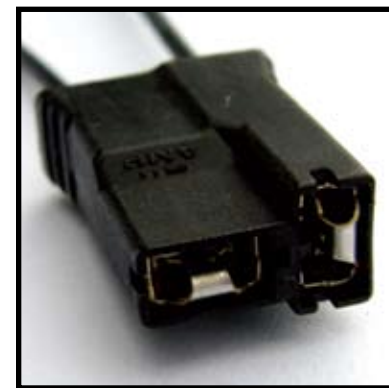
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WPT710
3U2Z-14S411-DTAA



WPT520
3U2Z-14S411-TYA



WPT719
3U2Z-14S411-EPAA

G = Gold-plated pins

Two-Cavity Connectors



WPT752
3U2Z-14S411-EVAA



WPT783
3U2Z-14S411-YDA



WPT790
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WPT104
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WPT361
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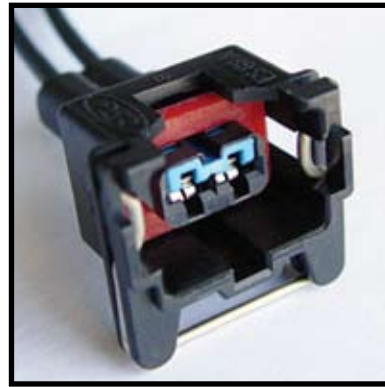
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WPT433
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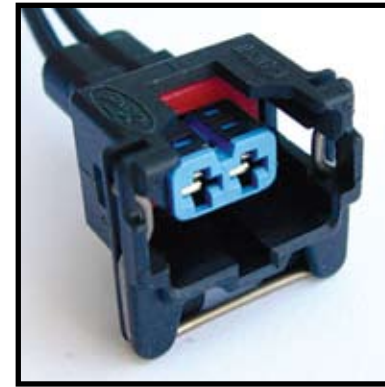
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WPT334
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WPT692
3U2Z-14S411-CJAA



WPT529
3U2Z-14S411-UDA



WPT107
1U2Z-14S411-FA



WPT437
3U2Z-14S411-LVA



WPT438
3U2Z-14S411-MGA



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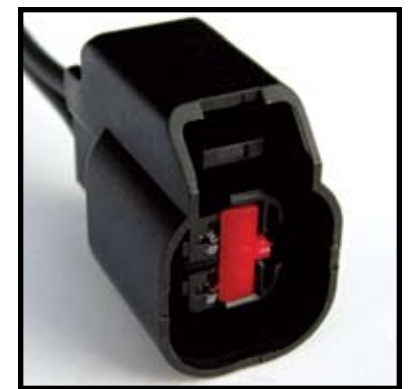
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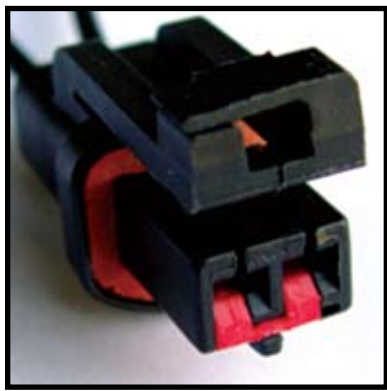


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WPT173
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G = Gold-plated pins



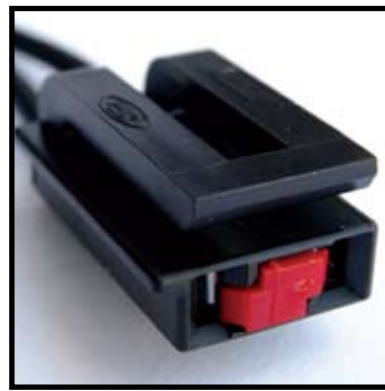
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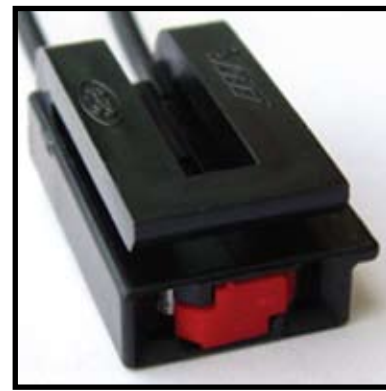
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WPT314
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3U2Z-14S411-PDA



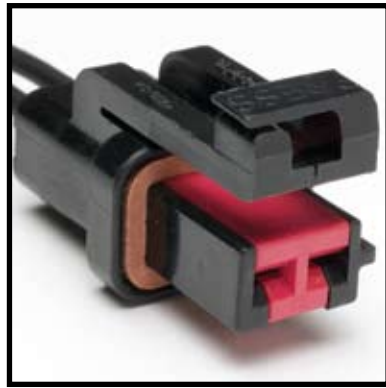
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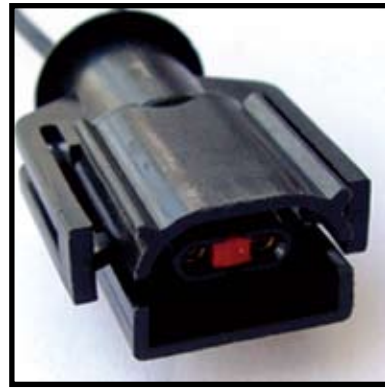
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WPT684
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WPT146
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WPT589
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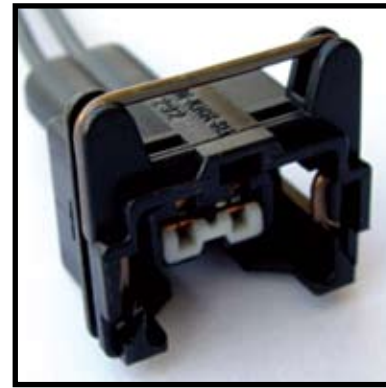
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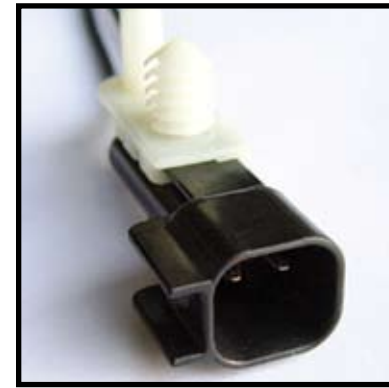
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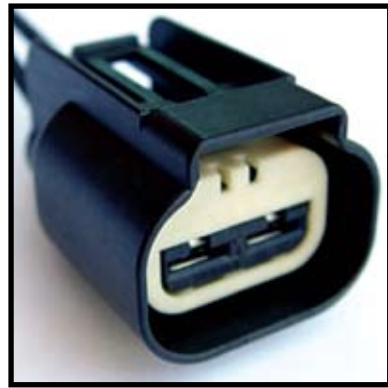
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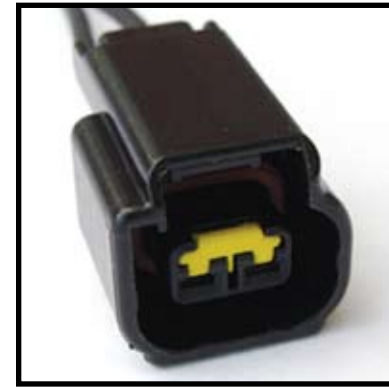
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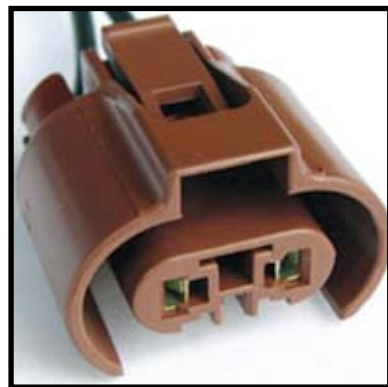


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G = Gold-plated pins



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WPT772
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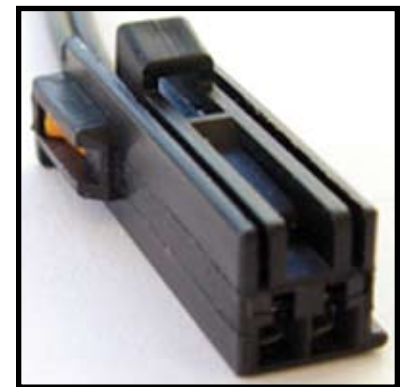
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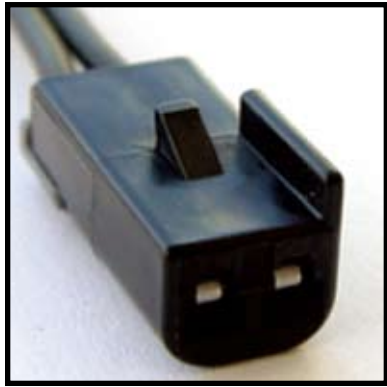
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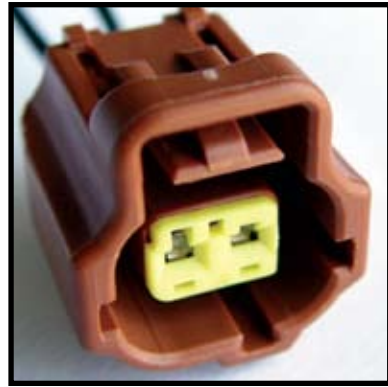
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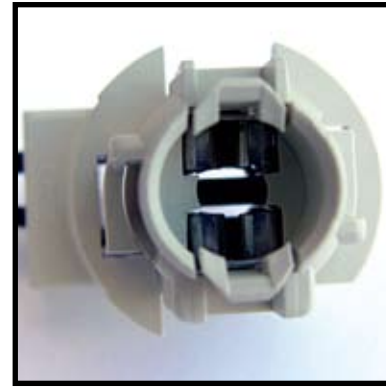
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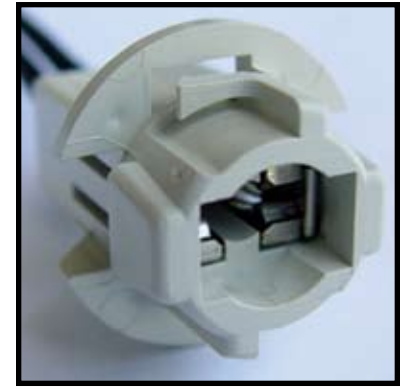
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WPT194
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WPT768
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WPT269
3U2Z-14S411-GRA



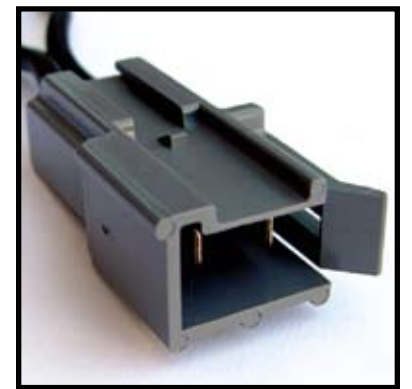
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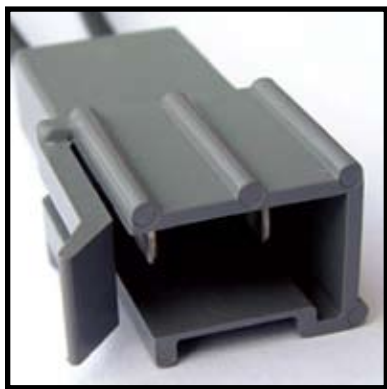
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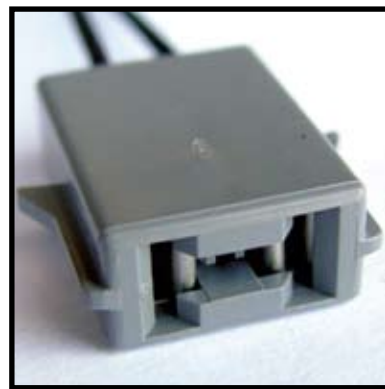
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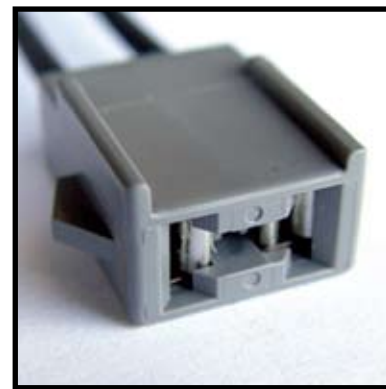
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WPT779
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WPT267
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WPT364
3U2Z-14S411-JHA



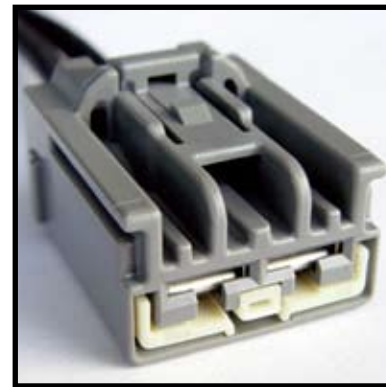
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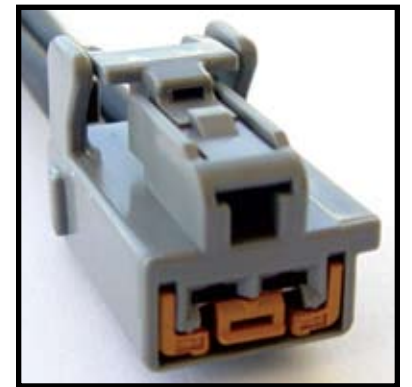
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WPT195
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WPT236
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WPT404
3U2Z-14S411-CAA

G = Gold-plated pins



WPT713
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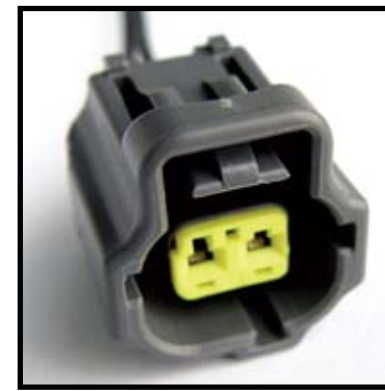
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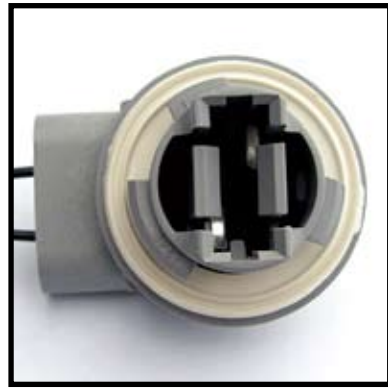
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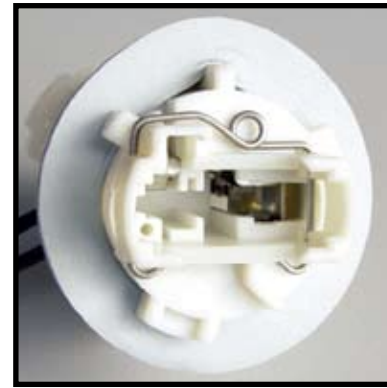
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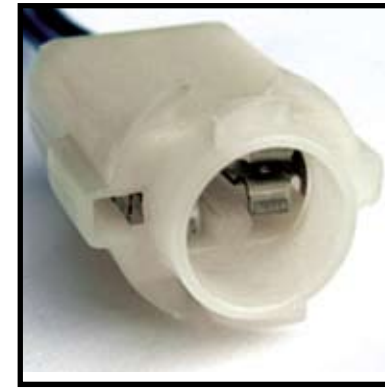
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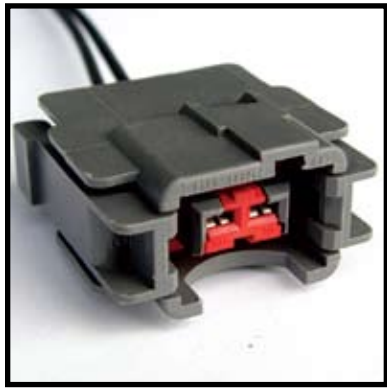
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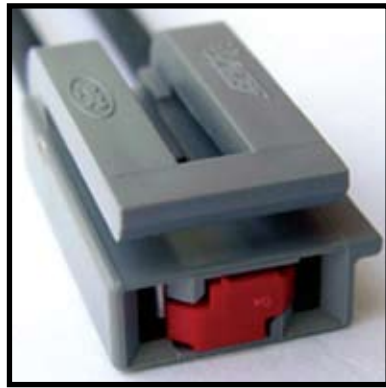
WPT177
1U2Z-14S411-ANA



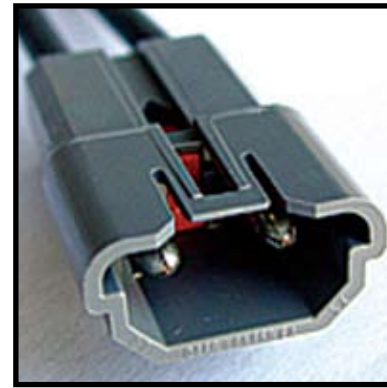
WPT232
3U2Z-14S411-CHA



WPT254
3U2Z-14S411-EKA



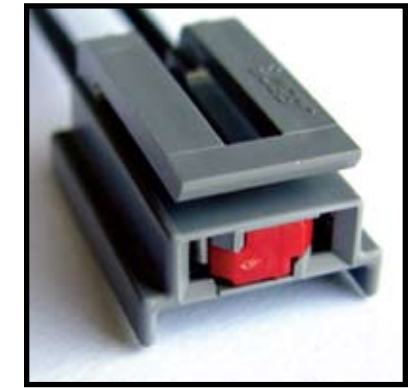
WPT370
3U2Z-14S411-ERA



WPT473
3U2Z-14S411-NEA



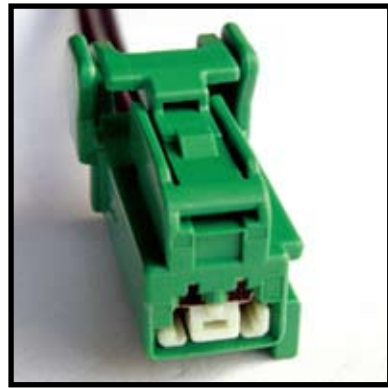
WPT460
3U2Z-14S411-NXA



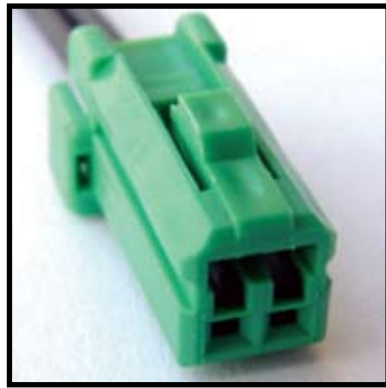
WPT572
3U2Z-14S411-VPA



WPT113
1U2Z-14S411-MA



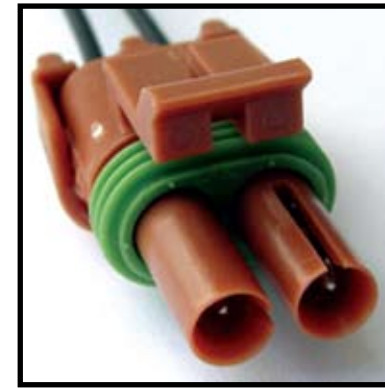
WPT294
3U2Z-14S411-JYA



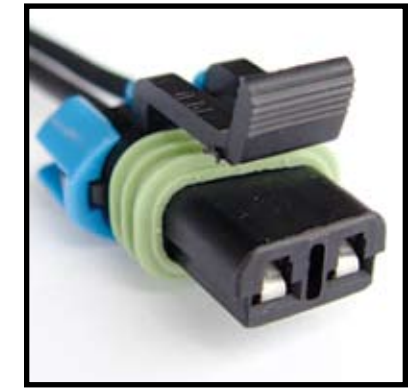
WPT479
3U2Z-14S411-PFA



WPT494
3U2Z-14S411-NZA



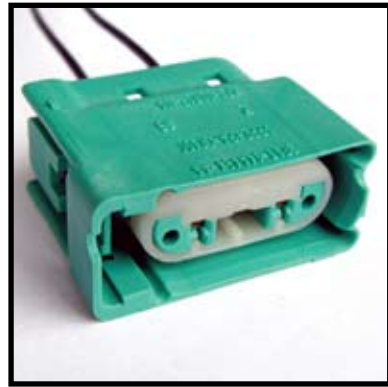
WPT564
3U2Z-14S411-SFA



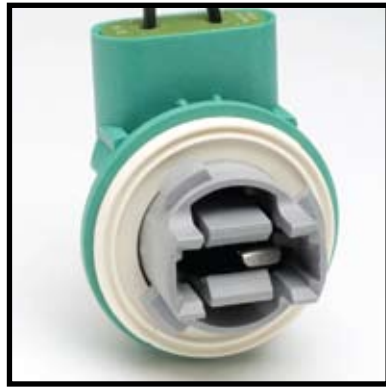
WPT381
3U2Z-14S411-GEA



WPT410
3U2Z-14S411-BA



WPT773
3U2Z-14S411-DNAA



WPT147
1U2Z-14S411-BBA



WPT189
2U2Z-14S411-BA



WPT759
3U2Z-14S411-SLA

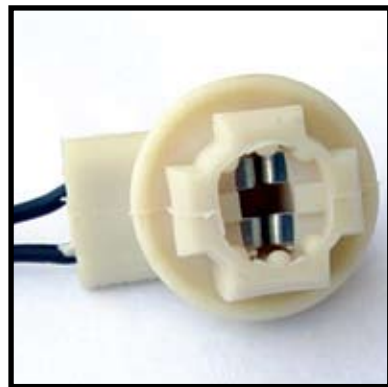


WPT353
3U2Z-14S411-ASA

G = Gold-plated pins



WPT492
3U2Z-14S411-CMA



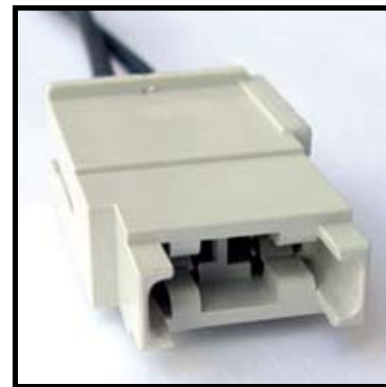
WPT530
3U2Z-14S411-HCA



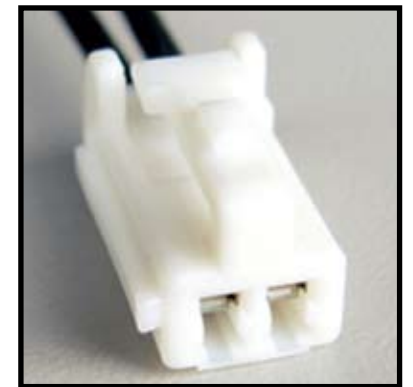
WPT602
3U2Z-14S411-XYA



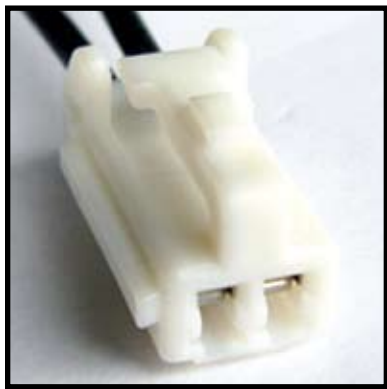
WPT312
3U2Z-14S411-EEA



WPT360
3U2Z-14S411-JMA



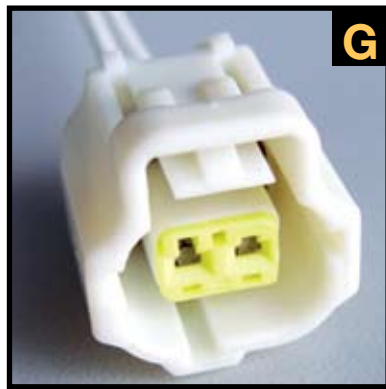
WPT634
3U2Z-14S411-AHAA



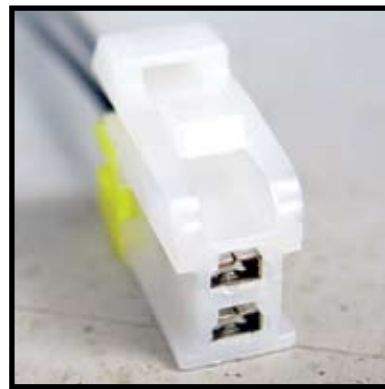
WPT664
3U2Z-14S411-AXAA



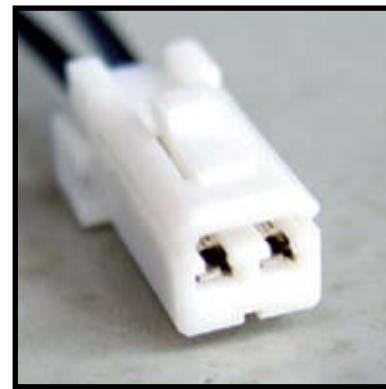
WPT786
3U2Z-14S411-ZYA



WPT338
3U2Z-14S411-ARA



WPT522
3U2Z-14S411-UAA



WPT675
3U2Z-14S411-CSAA



WPT690
3U2Z-14S411-AAAA



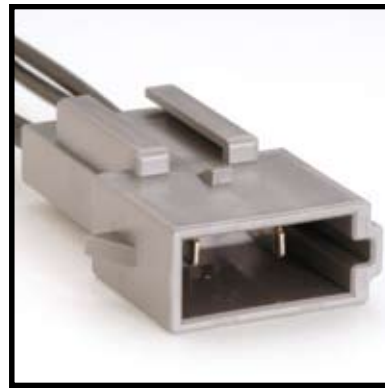
WPT727
3U2Z-14S411-ZHA



WPT211
3U2Z-14S411-BYA



WPT815
3U2Z-14S411-BXAA



WPT819
4U2Z-14S411-BA



WPT822
4U2Z-14S411-DA



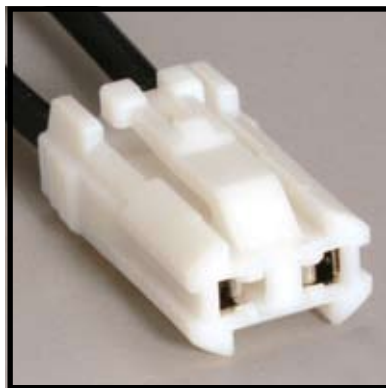
WPT823
3U2Z-14S411-TFA



WPT824
3U2Z-14S411-ZLA



WPT826
4U2Z-14S411-FA



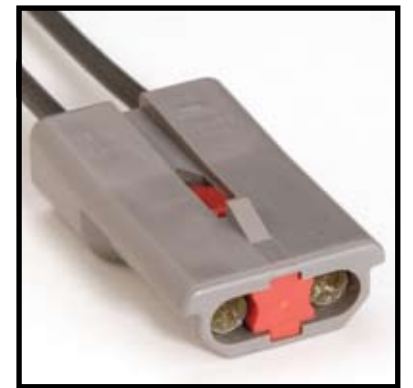
WPT835
4U2Z-14S411-NA



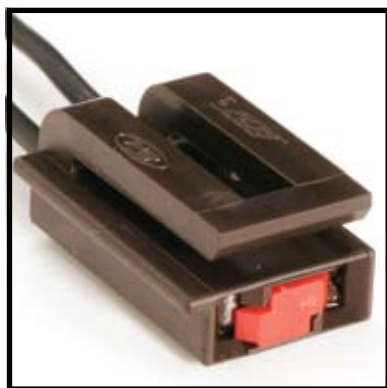
WPT836
4U2Z-14S411-PA



WPT837
4U2Z-14S411-RA



WPT838
4U2Z-14S411-SA



WPT841
5U2Z-14S411-AA



WPT843
5U2Z-14S411-DA



WPT849
5U2Z-14S411-EA



WPT856
5U2Z-14S411-NA



WPT871
6U2Z-14S411-GA



WPT887
7U2Z-14S411-DA

G = Gold-plated pins



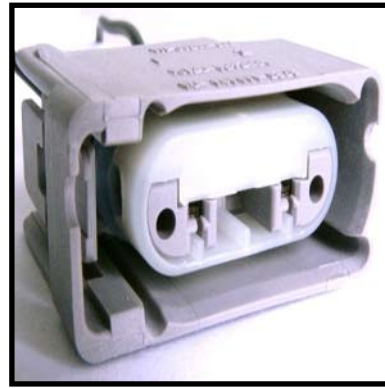
WPT861
5U2Z-14S411-VA



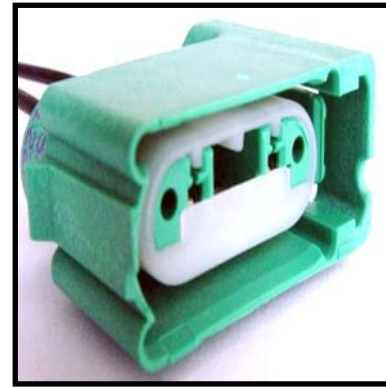
WPT863
5U2Z-14S411-ZA



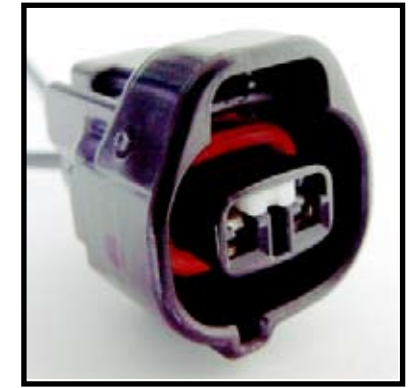
WPT864
5U2Z-14S411-AAA



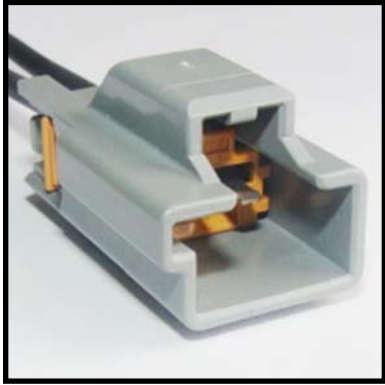
WPT867
6U2Z-14S411-BA



WPT868
6U2Z-14S411-CA



WPT869
6U2Z-14S411-DA



WPT879
6U2Z-14S411-PA



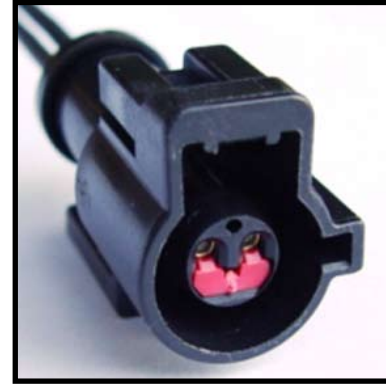
WPT884
7U2Z-14S411-BA



WPT888
7U2Z-14S411-FA



WPT4951
3U2Z-14S411-PDB



WPT5361
3U2Z-14S411-SVB

G = Gold-plated pins



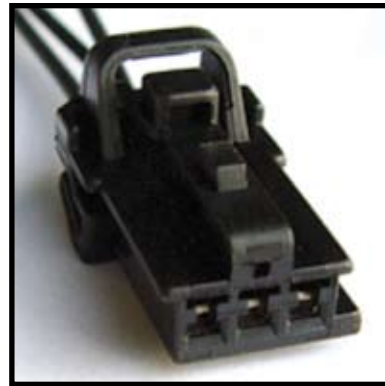
WPT170
1U2Z-14S411-AFA



WPT229
3U2Z-14S411-CBA



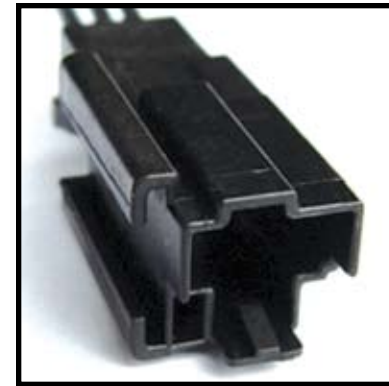
WPT214
3U2Z-14S411-CLA



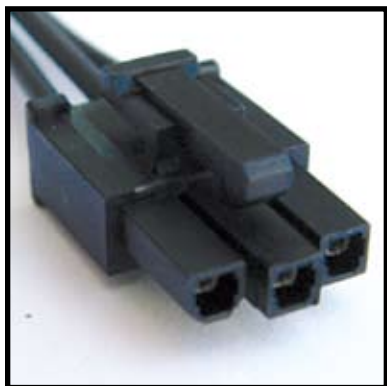
WPT447
3U2Z-14S411-KPA



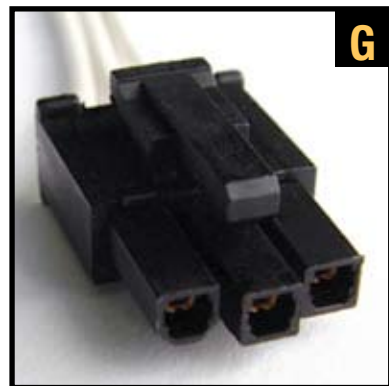
WPT706
3U2Z-14S411-ZFA



WPT753
3U2Z-14S411-EXAA



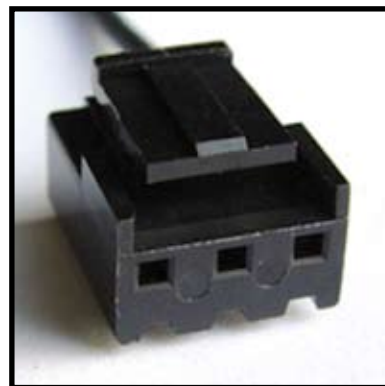
WPT241
3U2Z-14S411-DXA



WPT290
3U2Z-14S411-JJA



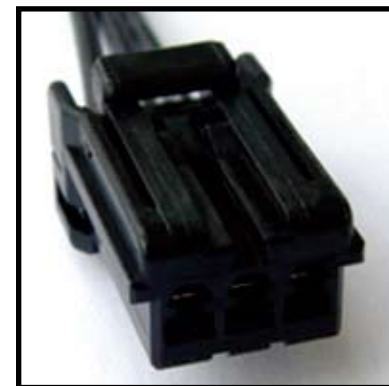
WPT301
3U2Z-14S411-BHA



WPT584
3U2Z-14S411-PSA



WPT493
3U2Z-14S411-NPA



WPT550
3U2Z-14S411-UYA



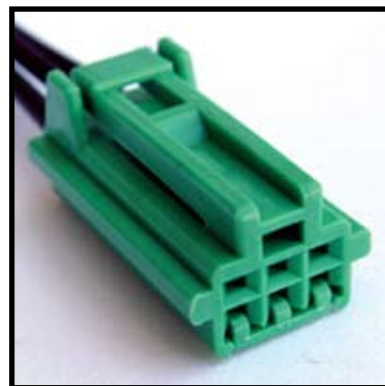
WPT603
3U2Z-14S411-XZA



WPT200
3U2Z-14S411-YA



WPT106
1U2Z-14S411-EA



WPT224
3U2Z-14S411-AA



WPT525
3U2Z-14S411-PXA



WPT560
3U2Z-14S411-LZA



WPT535
3U2Z-14S411-SHA



WPT517
3U2Z-14S411-TNA



WPT660
3U2Z-14S411-ZNA



WPT120
1U2Z-14S411-VA



WPT151
1U2Z-14S411-BFA



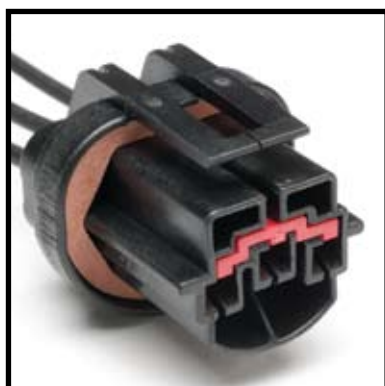
WPT601
3U2Z-14S411-XXA



WPT754
3U2Z-14S411-EYAA



WPT350
3U2Z-14S411-KEA



WPT110
1U2Z-14S411-JA



WPT119
1U2Z-14S411-UA

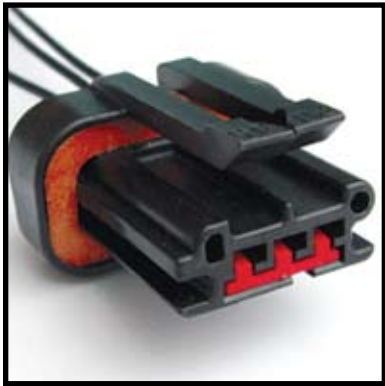


WPT210
3U2Z-14S411-BRA



WPT168
1U2Z-14S411-ADA

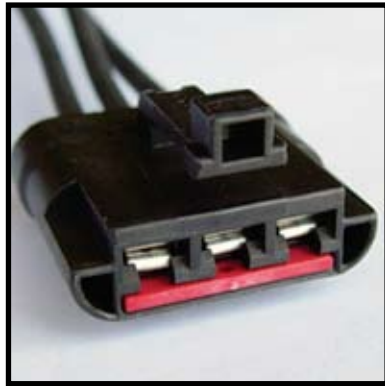
G = Gold-plated pins



WPT263
3U2Z-14S411-FUA



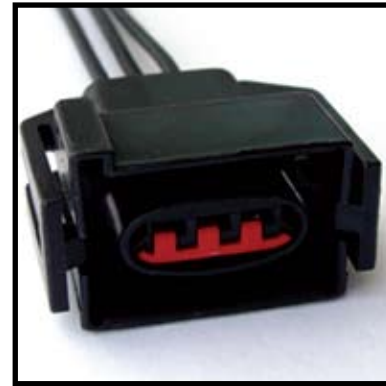
WPT318
3U2Z-14S411-KUA



WPT362
3U2Z-14S411-ESA



WPT445
3U2Z-14S411-NLA



WPT526
3U2Z-14S411-SRA



WPT681
3U2Z-14S411-RXA



WPT239
3U2Z-14S411-DUA



WPT763
3U2Z-14S411-UNA



WPT250
3U2Z-14S411-EXA



WPT282
3U2Z-14S411-HRA



WPT477
3U2Z-14S411-NVA



WPT671
3U2Z-14S411-CKAA



WPT414
3U2Z-14S411-FHA



WPT108
1U2Z-14S411-GA



WPT118
1U2Z-14S411-TA



WPT196
3U2Z-14S411-NA



WPT777
3U2Z-14S411-ESAA



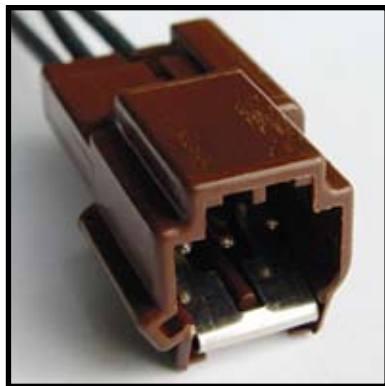
WPT101
XF5Z-14S411-AA



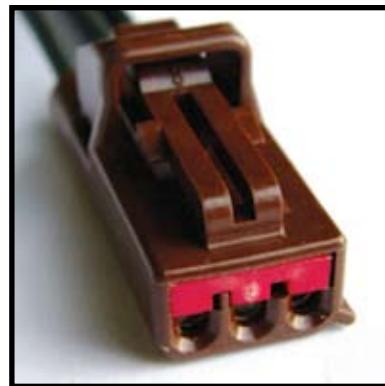
WPT243
3U2Z-14S411-ECA



WPT109
1U2Z-14S411-HA



WPT723
3U2Z-14S411-XGA



WPT419
3U2Z-14S411-JSA



WPT403
3U2Z-14S411-KXA



WPT333
3U2Z-14S411-GNA



WPT348
3U2Z-14S411-GGA



WPT397
3U2Z-14S411-CFA



WPT409
3U2Z-14S411-LA



WPT569
3U2Z-14S411-VKA



WPT573
3U2Z-14S411-VRA



WPT188
2U2Z-14S411-AA

G = Gold-plated pins



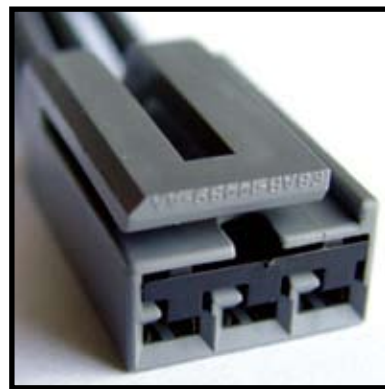
WPT393
3U2Z-14S411-KMA



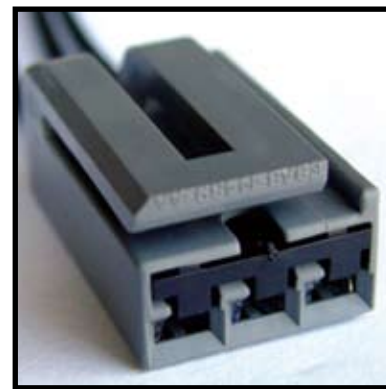
WPT105
1U2Z-14S411-DA



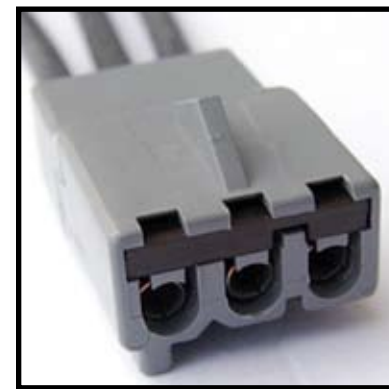
WPT740
3U2Z-14S411-BHAA



WPT446
3U2Z-14S411-NUA



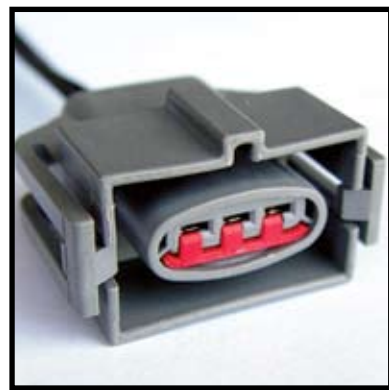
WPT459
3U2Z-14S411-NTA



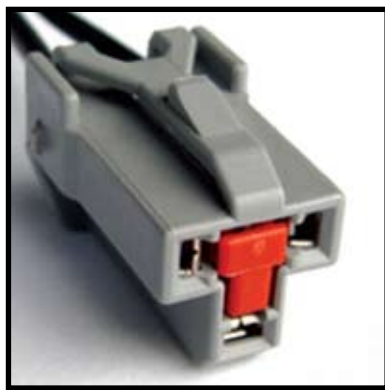
WPT593
3U2Z-14S411-VXA



WPT594
3U2Z-14S411-VYA



WPT458
3U2Z-14S411-NMA



WPT682
3U2Z-14S411-SJA



WPT734
3U2Z-14S411-BBAA



WPT412
3U2Z-14S411-CKA



WPT223
3U2Z-14S411-DSA



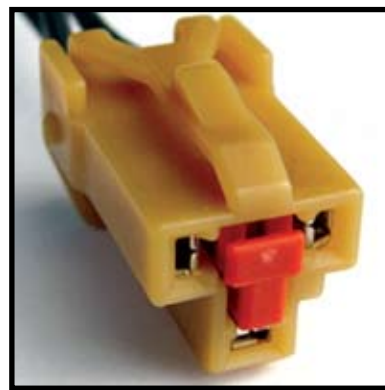
WPT406
3U2Z-14S411-KHA



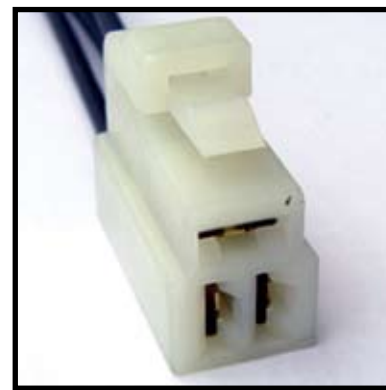
WPT651
3U2Z-14S411-LHA



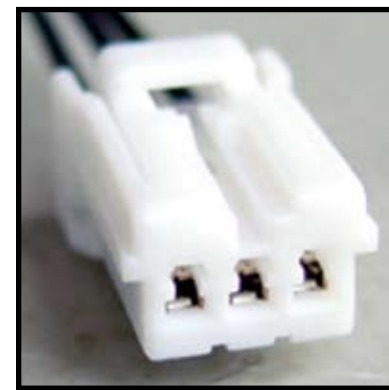
WPT230
3U2Z-14S411-CCA



WPT329
3U2Z-14S411-FPA



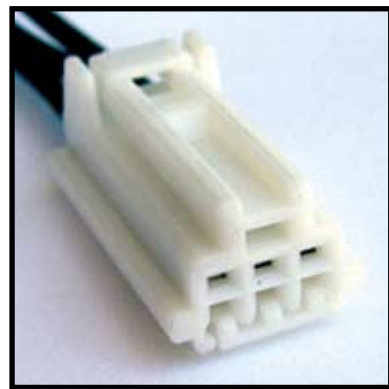
WPT617
3U2Z-14S411-TEA



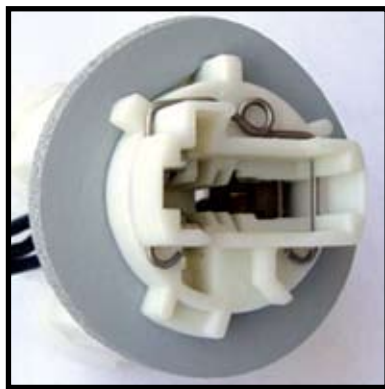
WPT718
3U2Z-14S411-ENAA



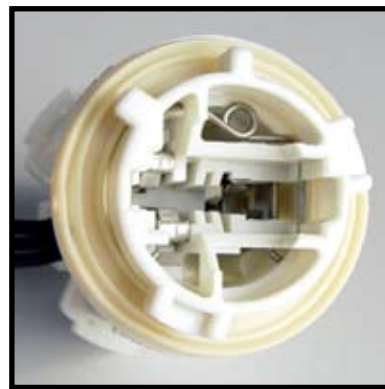
WPT213
3U2Z-14S411-CEA



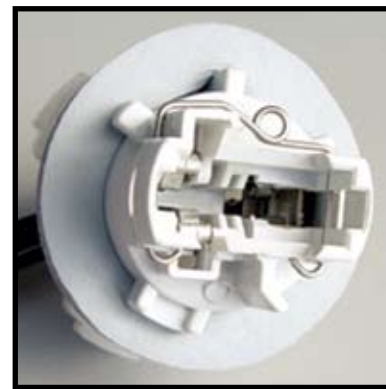
WPT203
3U2Z-14S411-AZA



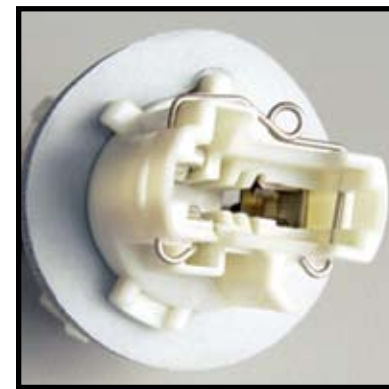
WPT430
3U2Z-14S411-LTA



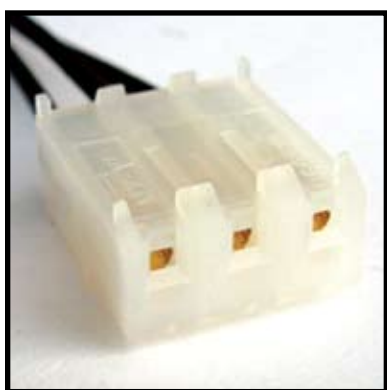
WPT286
3U2Z-14S411-JDA



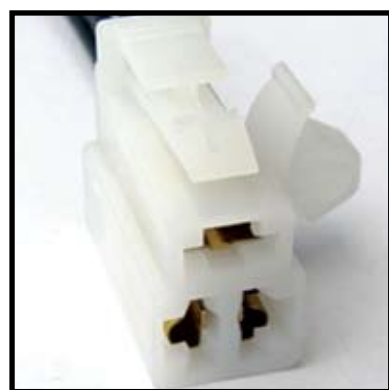
WPT429
3U2Z-14S411-HPA



WPT442
3U2Z-14S411-MZA



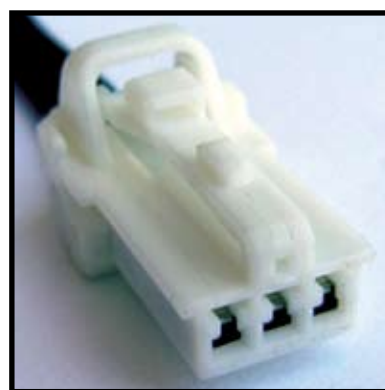
WPT553
3U2Z-14S411-KZA



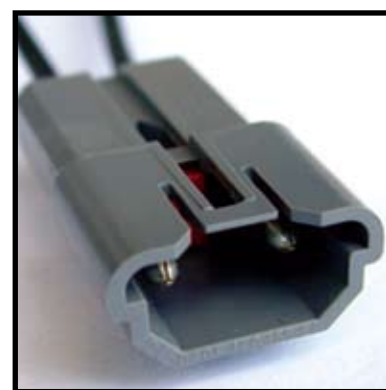
WPT618
3U2Z-14S411-VDA



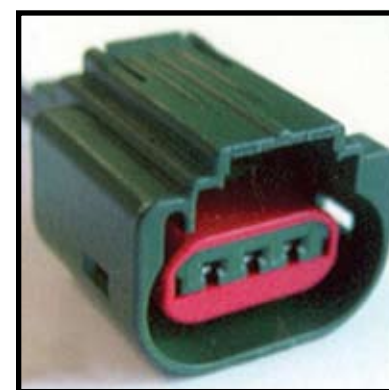
WPT235
3U2Z-14S411-HA



WPT328
3U2Z-14S411-FLA



WPT474
3U2Z-14S411-NFA

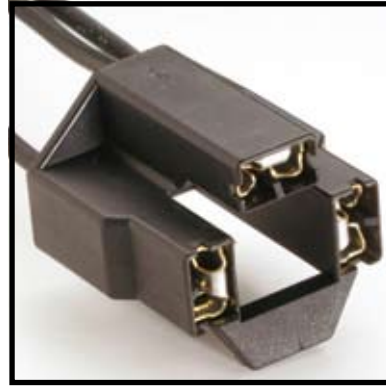


WPT793
3U2Z-14S411-FKAA

G = Gold-plated pins



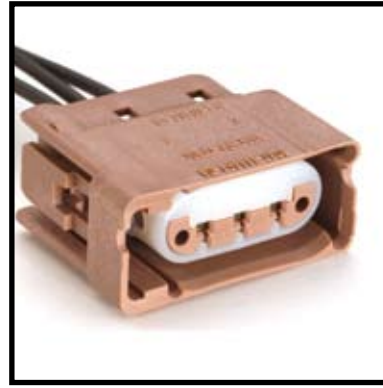
WPT796
3U2Z-14S411-FLAA



WPT801
3U2Z-14S411-RSA



WPT805
3U2Z-14S411-YLA



WPT809
3U2Z-14S411-FHAA



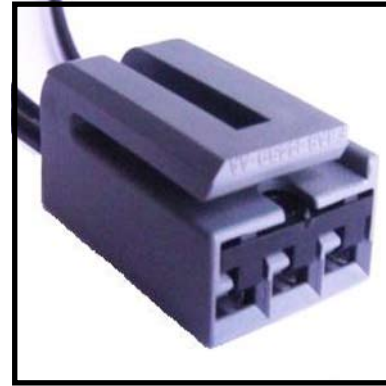
WPT857
5U2Z-14S411-PA



WPT859
5U2Z-14S411-XA



WPT866
6U2Z-14S411-AA



WPT4591
3U2Z-14S411-NTB



WPT4771
3U2Z-14S411-NVB