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# REMOTE UNLOCK WIRING DIAGRAM

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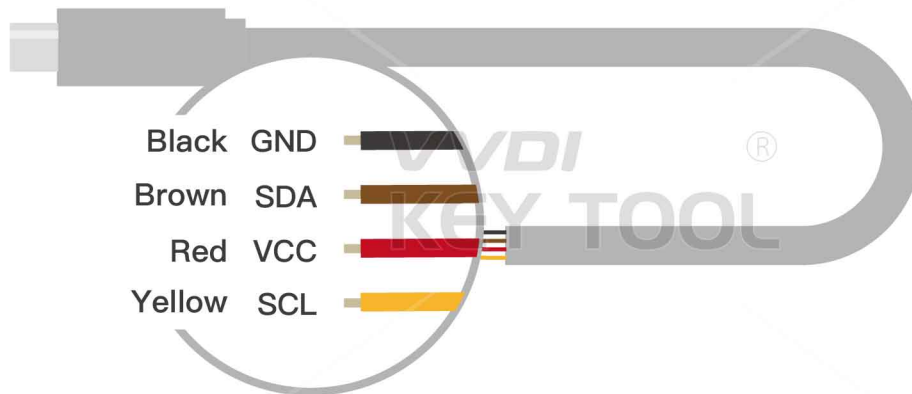
Version number: v3.0

2018.05.15

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## Keytool wiring function definition





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## NXP transponder pin definition

---

Transponder type	 GND	 SDA	 VCC	 SCL
PCF7941	19	11	4	10
PCF7961	19	9	4	8
PCF7952	11	22	8	21
PCF7945	13	26	10	25
PCF7953	13	26	10	25

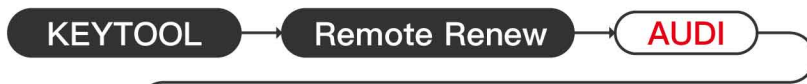
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# CONTENTS

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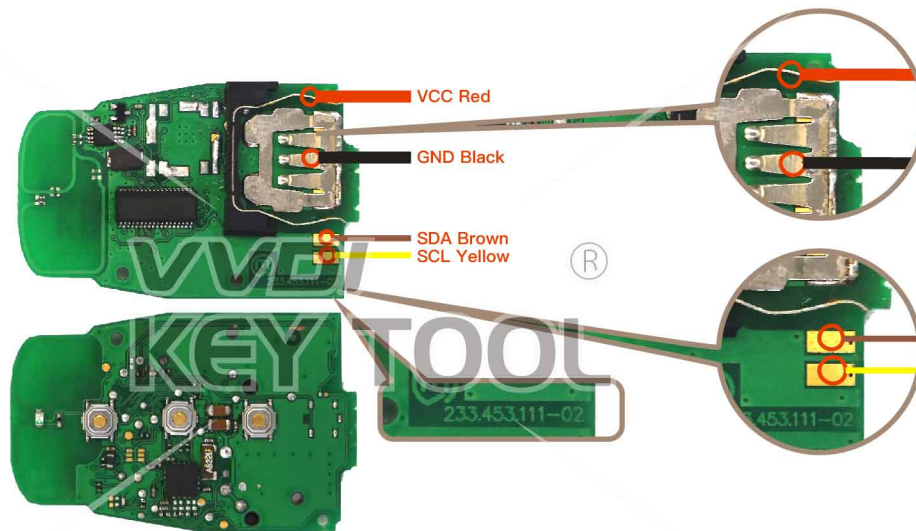
Audi .....	02
BMW .....	04
BUICK / Chevrolet .....	08
BYD .....	13
Chrysler / Jeep / Dodge .....	20
Great Wall .....	29
Honda .....	30
Hyundai / KIA .....	36
Land Rover .....	45
Mitsubishi .....	47
Mazda .....	48
Nissan .....	49
Peugeot .....	55
Porsche .....	56
Renault .....	57
Volvo .....	65

# Audi Universal type



Key Information	Key Adapter	Chip Number	Note
PCB1 8T0959754 433 Remote	[5 AUDI]	7945	PCB No.233.423.111-02
PCB1 8T0959754A 315 Remote	[5 AUDI]	7945	PCB No.233.423.111-02
PCB1 8T0959754D 868 Remote	[5 AUDI]	7945	PCB No.233.423.111-02
PCB1 8T0959754F 433 Smartkey	[5 AUDI]	7945	PCB No.233.423.111-02
PCB2 8T0959754 433 Remote	[5 AUDI]	7945	PCB No.233.453.111-05/06
PCB2 8T0959754D 868 Remote	[5 AUDI]	7945	PCB No.233.453.111-05/07
PCB2 8T0959754F 433 Smartkey	[5 AUDI]	7945	PCB No.233.453.111-05/08
PCB2 8T0959754G 315 Smartkey	[5 AUDI]	7945	PCB No.233.453.111-05/09

\* Universal type supports any 5th generation key, please use universal type to test if selected data can not work



Key Adapter

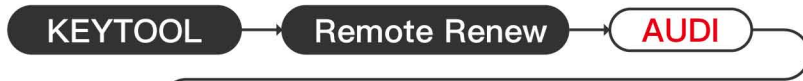


**5** AUDI

Lock Shell

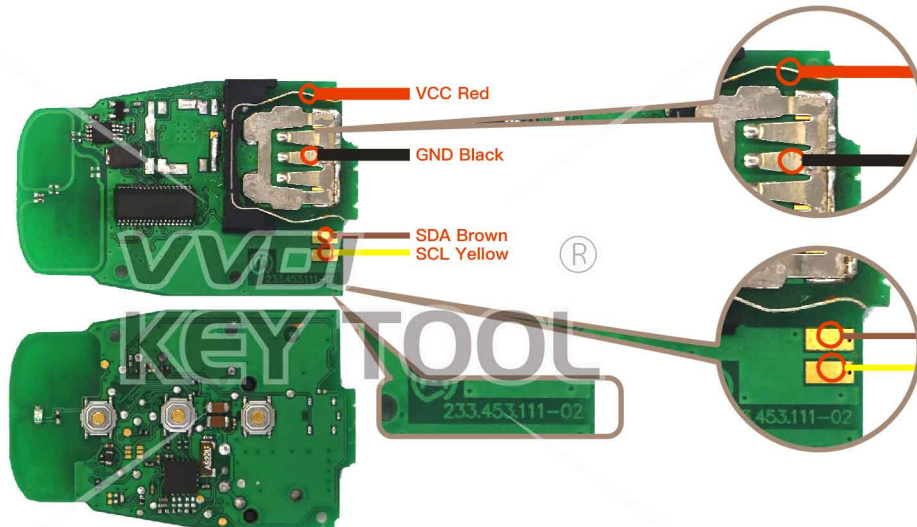


# Audi Universal type



Key Information	Key Adapter	Chip Number	Note
PCB2 4H0959754G 315 Smartkey	[5 AUDI]	7945	PCB No.233.453.111-05/10
PCB2 4H0959754K 868 Smartkey	[5 AUDI]	7945	PCB No.233.453.111-05/11
PCB2 4G0959754G 315 Smartkey	[5 AUDI]	7945	PCB No.233.453.111-05/12
PCB2 4G0959754K 868 Smartkey	[5 AUDI]	7945	PCB No.233.453.111-05/13
PCB3 4H0959754DA 433 Smartkey	[5 AUDI]	7945	PCB No.233.453.211-01/02
PCB3 4H0959754DB 315 Smartkey	[5 AUDI]	7945	PCB No.233.453.211-01/02
PCB3 4H0959754DD 868 Smartkey	[5 AUDI]	7945	PCB No.233.453.211-01/02

\* Universal type supports any 5th generation key, please use universal type to test if selected data can not work



Key Adapter

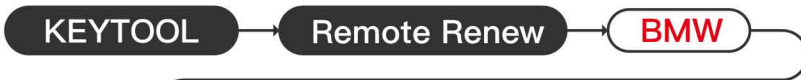


**5** AUDI

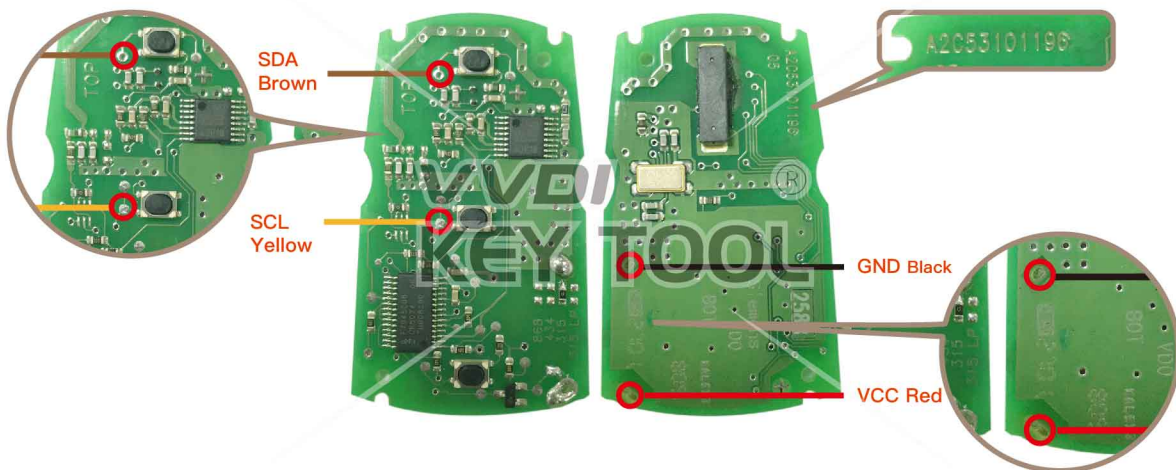
Lock Shell



# BMW CAS3 Remote



Key Information	Key Adapter	Chip Number
E Series 5WK49125 868MHz Remote	[8 BMW-E]	7945
E Series 5WK49127 315MHz Remote	[8 BMW-E]	7945



Key Adapter



Lock Shell

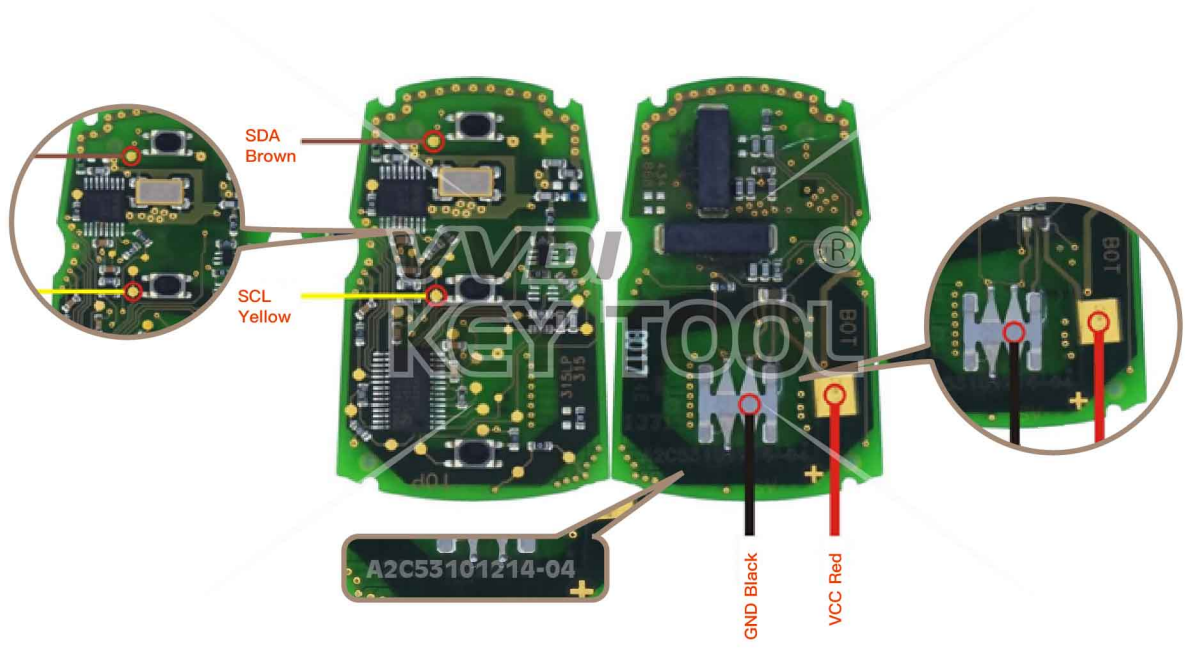


**8** BMW-E

# BMW CAS3 Smartkey



Key Information	Key Adapter	Chip Number
E Series 5WK49145 868MHz Smartkey	[8 BMW-E]	7953
E Series 5WK49147 315MHz Smartkey	[8 BMW-E]	7953



Key Adapter



Lock Shell

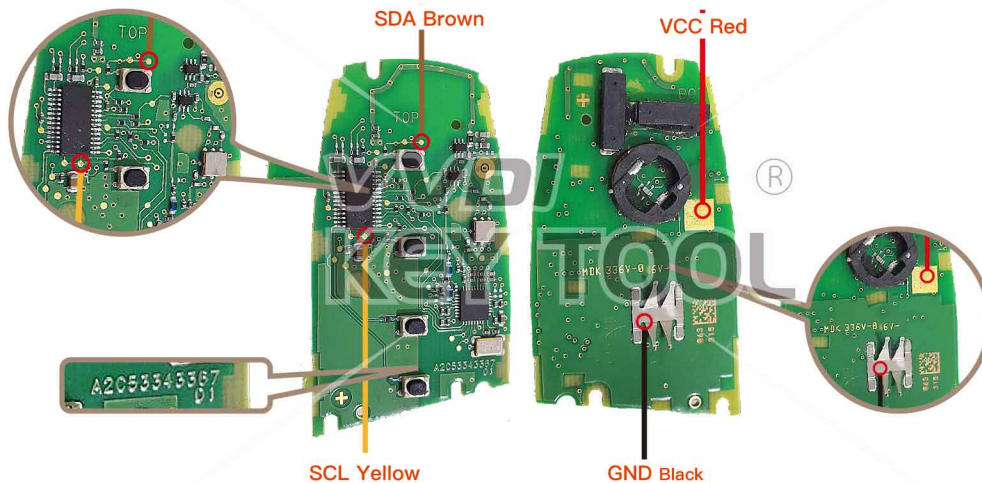


**8** BMW-E

# BMW BMW F series Smart Provided by Continental



Key Information	Key Adapter	Chip Number
F Series 5WK49661 868MHz Continental		7953
F Series 5WK49663 315MHz Continental		7953
F Series 5WK49662 434MHz Continental		7953



Key Adapter

Lock Shell



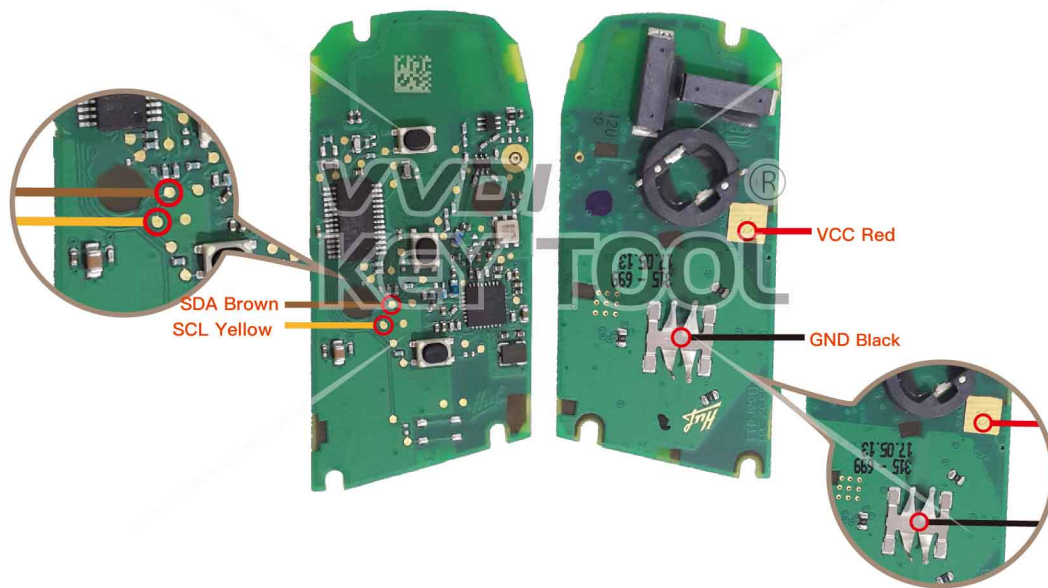
Please follow the wiring diagram to use the programming cable.



# BMW BMW F series Smart Provided by Huf



Key Information	Key Adapter	Chip Number
F Series HUF5661 868MHz Huf	[7 BMW-F]	7953
F Series HUF5662 315MHz Huf	[7 BMW-F]	7953
F Series HUF5663 434MHz Huf	[7 BMW-F]	7953
F Series HUF5667 434MHz Huf	[7 BMW-F]	7953
F Series 868MHz Huf	[7 BMW-F]	7953
F Series 868MHz Huf	[7 BMW-F]	7953



Key Adapter

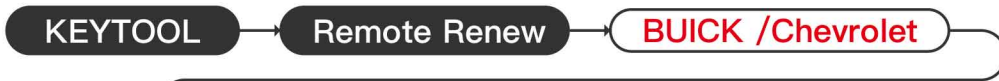


Lock Shell

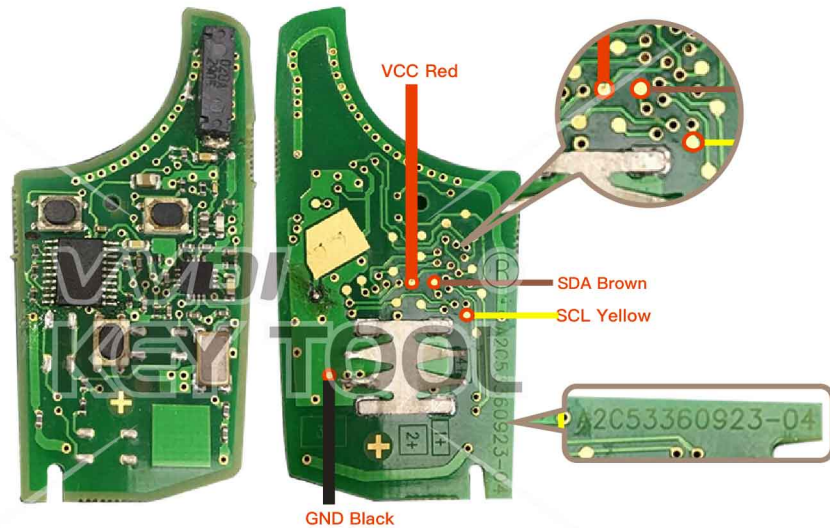


**7** BMW-F

# BUICK/CHEVROLET Smartkey



Key Information	Key Adapter	Chip Number
A2C53360923-04	[30]	



Key Adapter

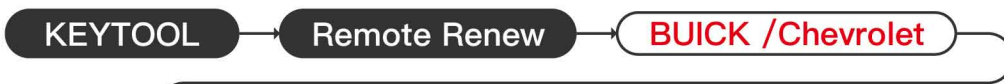


**30**

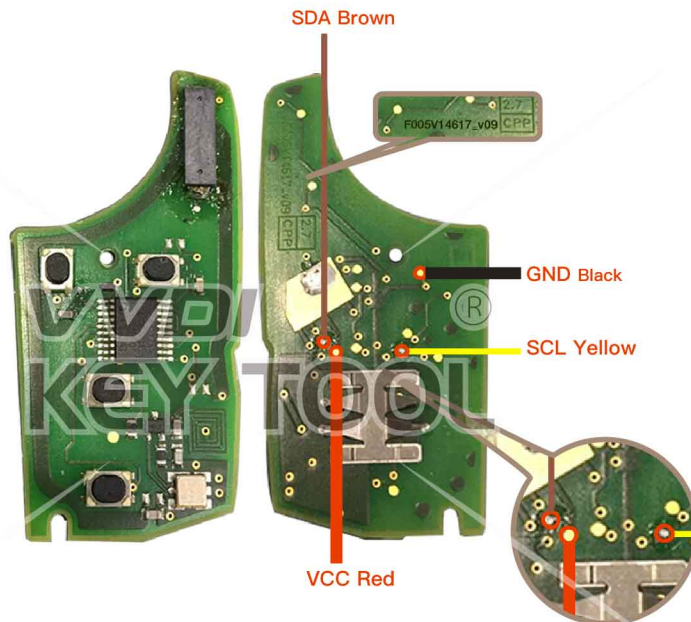
Lock Shell



# BUICK/CHEVROLET Smartkey



Key Information	Key Adapter	Chip Number
F005V14617_v09	[31]	



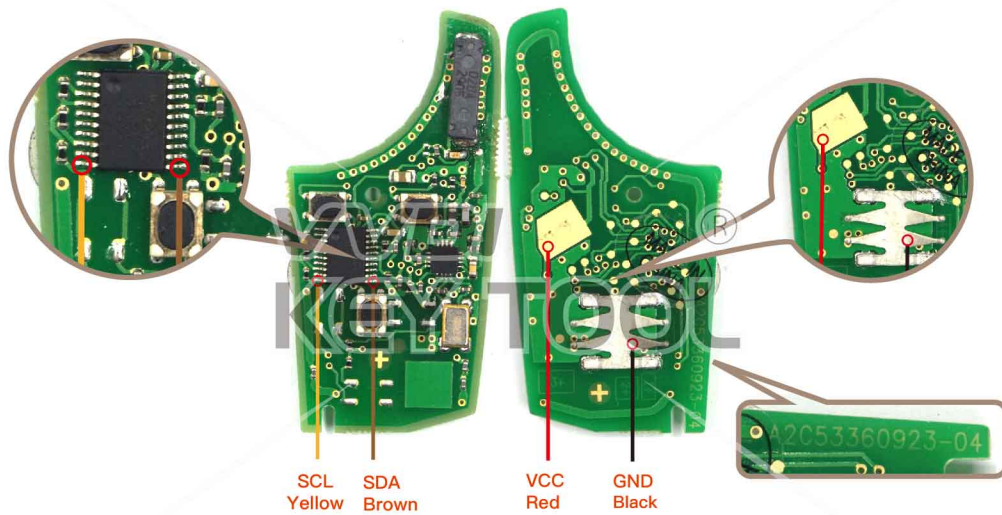
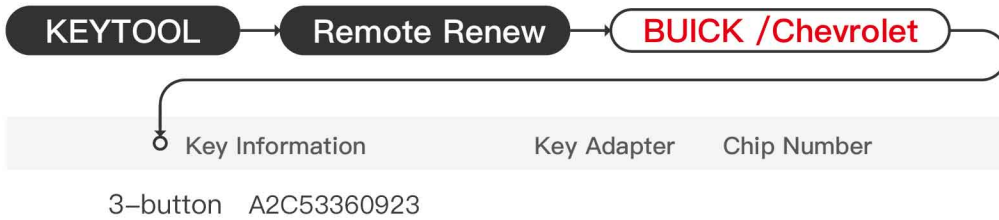
Key Adapter

Lock Shell



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# BUICK/CHEVROLET Smartkey



Key Adapter

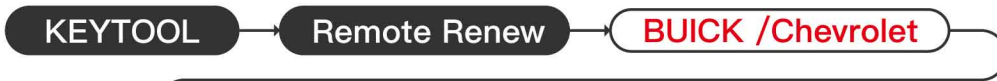


Lock Shell

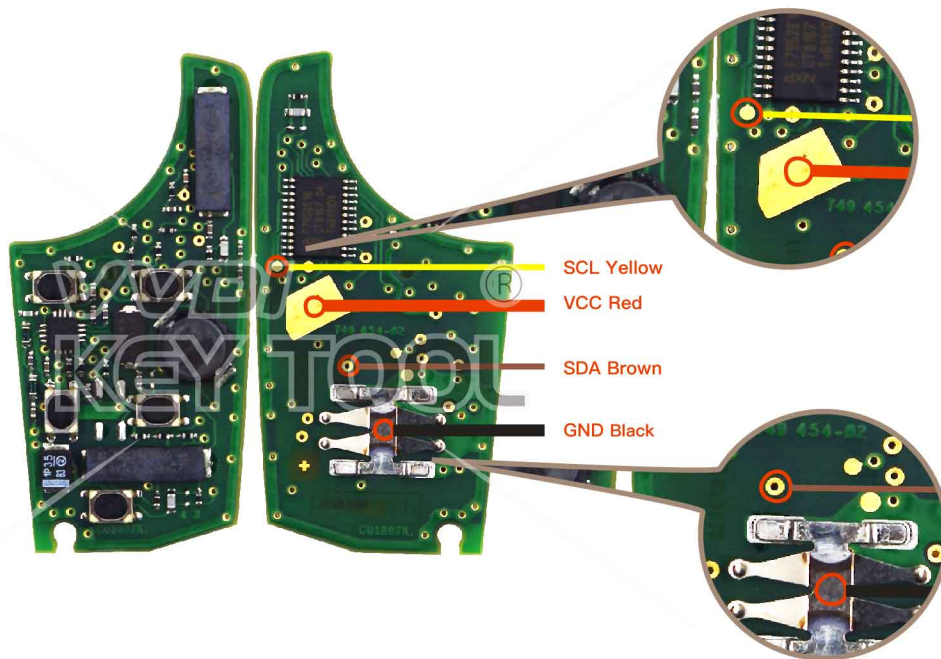


Please follow the wiring diagram to use the programming cable.

# BUICK/CHEVROLET Smartkey



Key Information	Key Adapter	Chip Number
Type5 4-button 315MHz F7952E	[9 BUIC]	7952
Type5 5-button 315MHz F7952E	[9 BUIC]	7952
Type5 5-button 433MHz F7952E	[9 BUIC]	7952
Type5 4-button 433MHz F7952E	[9 BUIC]	7952
Type5 3-button 433MHz F7952E	[9 BUIC]	7952



Key Adapter



Lock Shell

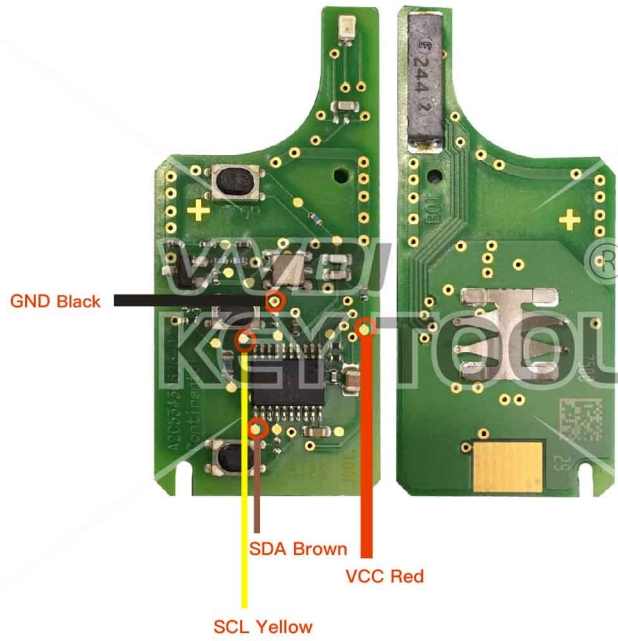


**9** BUIC

# BUICK/CHEVROLET Smartkey



Key Information	Key Adapter	Chip Number
A2C53430 626-02 Continental	[24]	7941



 Key Adapter

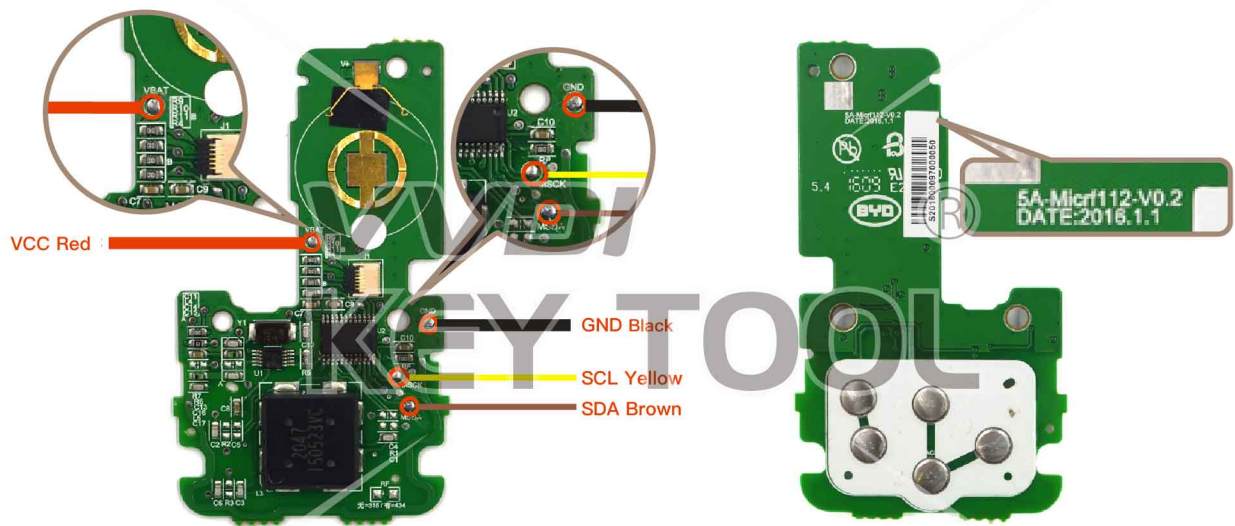
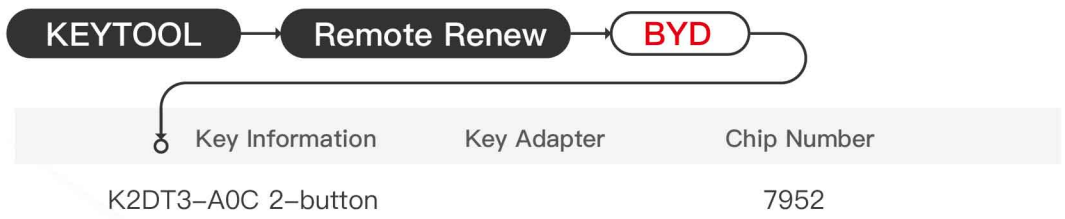
 Lock Shell



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VVDI KEY TOOL®

# BYD K2TA4-30A Smartkey



Key Adapter

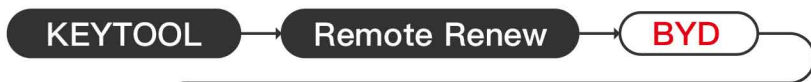


Lock Shell

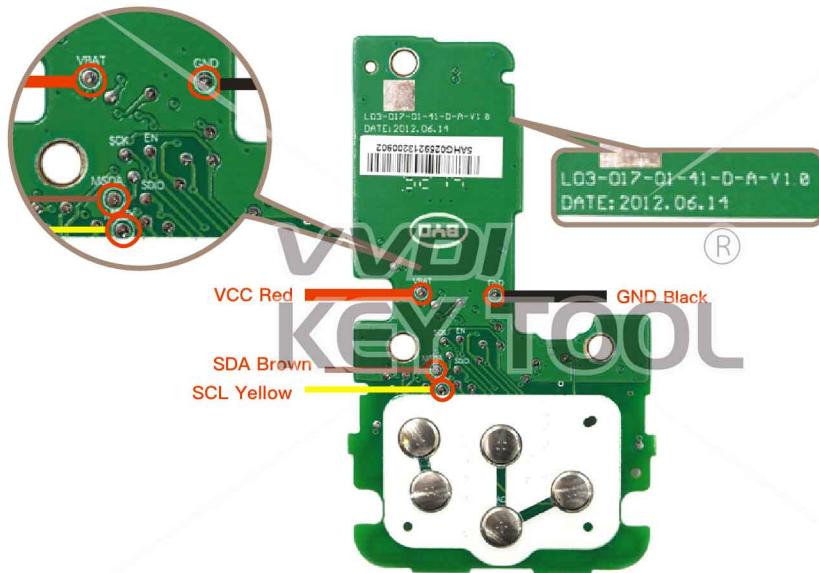


Please follow the wiring diagram to use the programming cable.

# BYD K2TD 2-button



Key Information	Key Adapter	Chip Number
K2TD 2-button		7952



Key Adapter



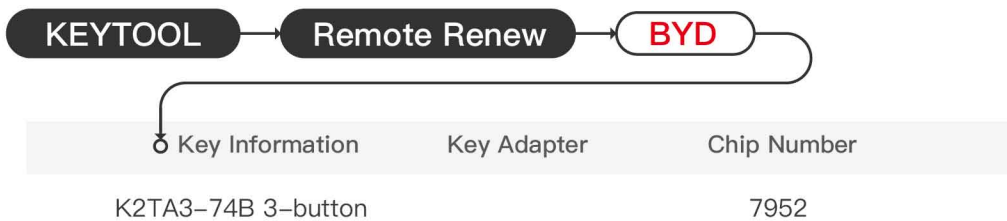
Lock Shell



Please follow the wiring diagram to use the programming cable.



# BYD K2TA3-74B 3-button



 Key Adapter

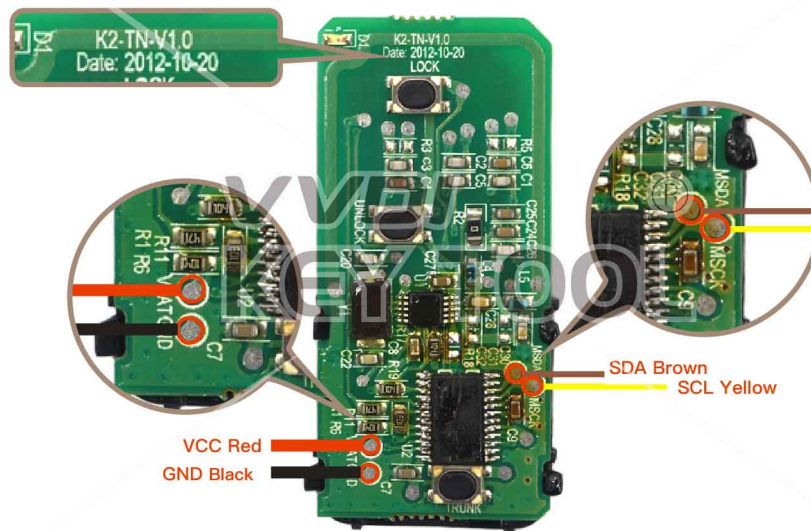
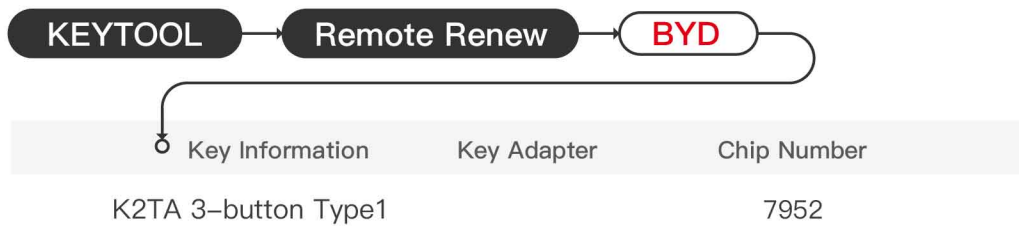


 Lock Shell



Please follow the wiring diagram to use the programming cable.

# BYD K2TA 3-button Type1



 Key Adapter

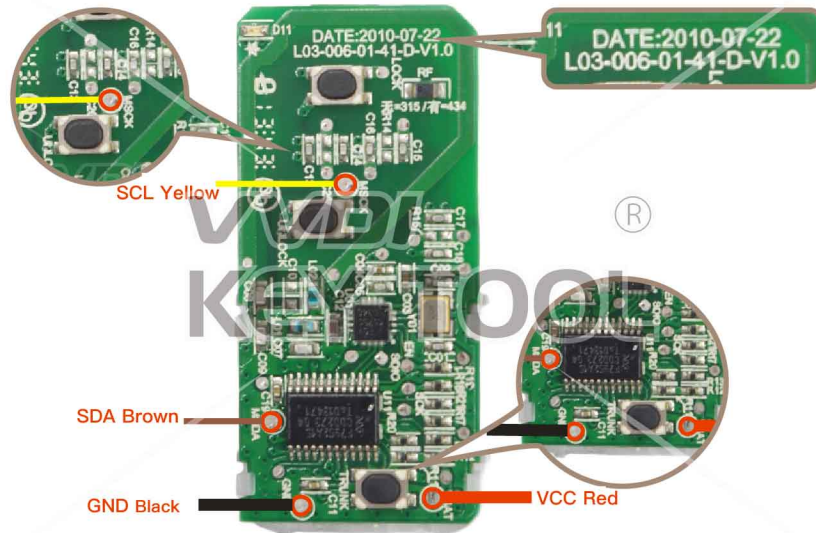
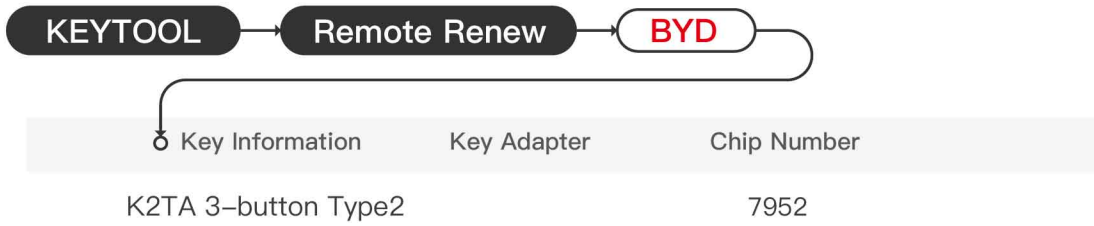


 Lock Shell



Please follow the wiring diagram to use the programming cable.

# BYD K2TA 3-button Type2



 Key Adapter

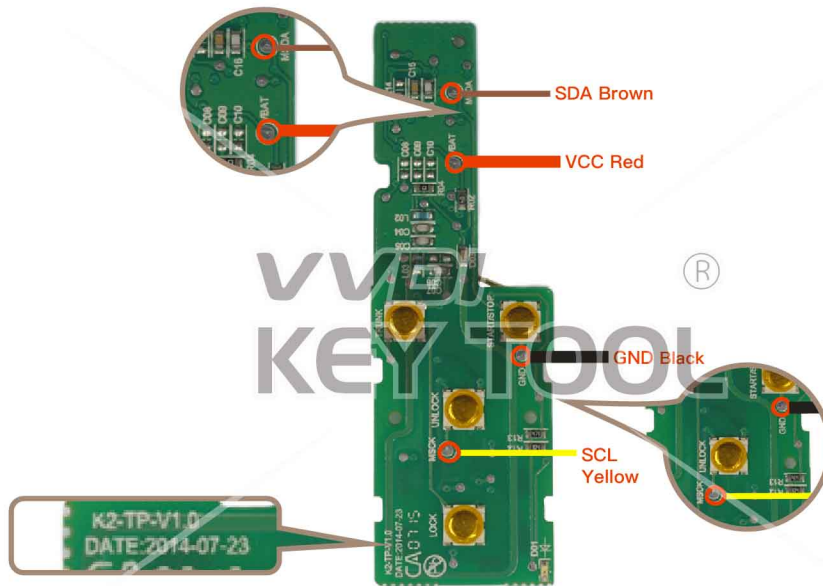
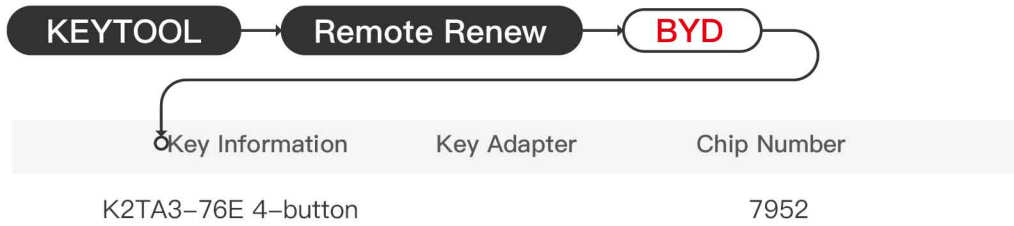


 Lock Shell



Please follow the wiring diagram to use the programming cable.

# BYD K2TA3-76E 4-button



 Key Adapter

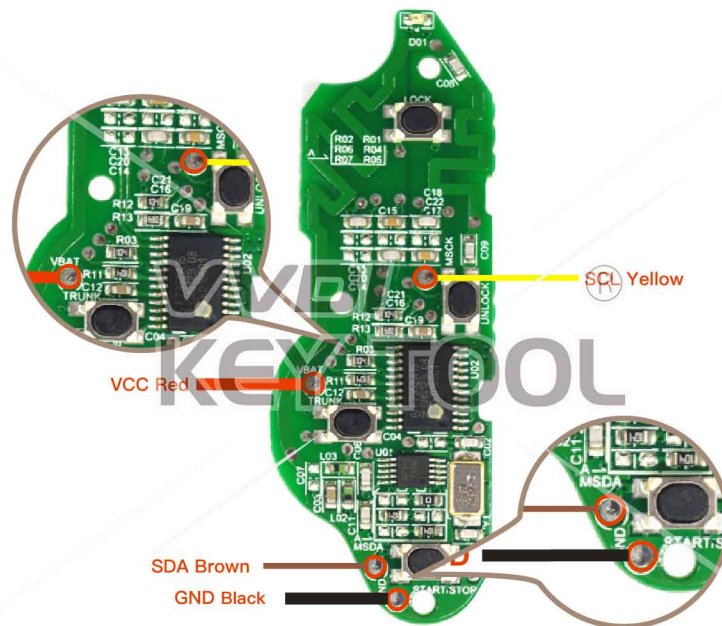
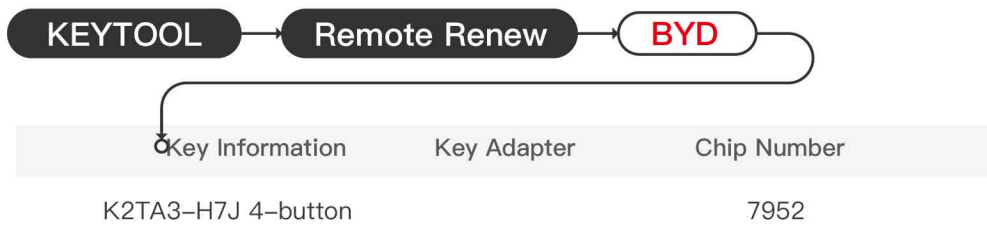


 Lock Shell



Please follow the wiring diagram to use the programming cable.

# BYD K2TA3-H7J 4-button



Key Adapter



Lock Shell



Please follow the wiring diagram to use the programming cable.

# Chrysler/JEEP/Dodge OHT692427AA



Key Information	Key Adapter	Chip Number
OHT692427AA(2005)	[27]	7941

### Support vehicle models

2007–2011 Chrysler Sebring	2004–2013 Dodge Dakota	2008–2013 Jeep Compass
2006–2010 Chrysler PT Cruiser	2004–2013 Dodge Durango	2005–2007 Jeep Grand Cherokee
2005–2007 Chrysler PT Cruiser Convertible	2005–2007 Dodge Magnum	2008–2012 Jeep Liberty
2008–2013 Dodge Avenger	2007–2011 Dodge Nitro	2007–2013 Jeep Patriot
2006–2012 Dodge Caliber	2006–2009 Dodge RAM	2007–2013 Jeep Wrangler
2005–2007 Dodge Charger	2006–2009 Jeep Commander	



Key Adapter



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Lock Shell



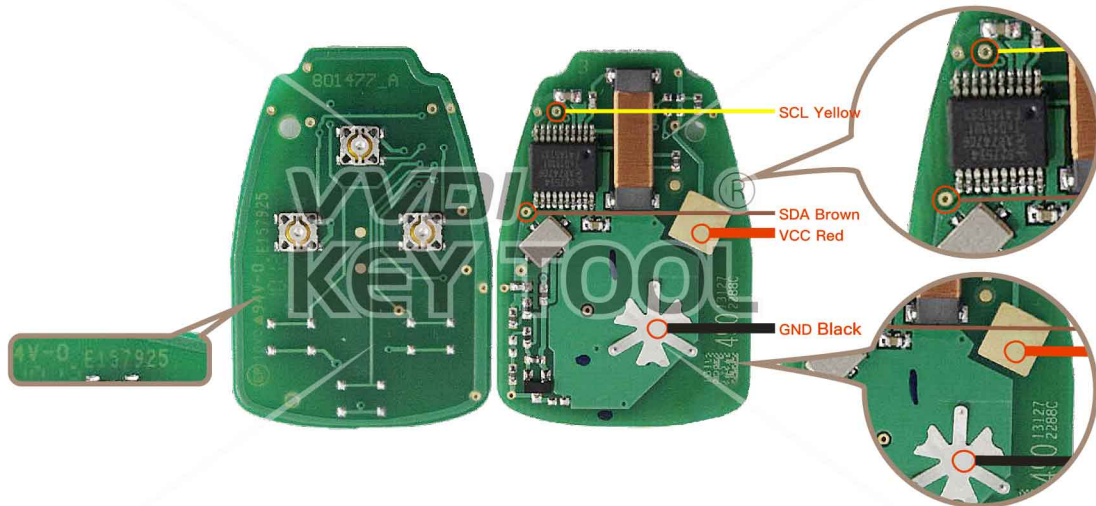
# Chrysler/JEEP/Dodge OHT692713AA



Key Information	Key Adapter	Chip Number
OHT692713AA	[28]	7941

### Support vehicle models

2004–2007 Chrysler Town&Country    2004–2007 Dodge Caravan  
 2004–2007 Dodge Grand Caravan



Key Adapter



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Lock Shell



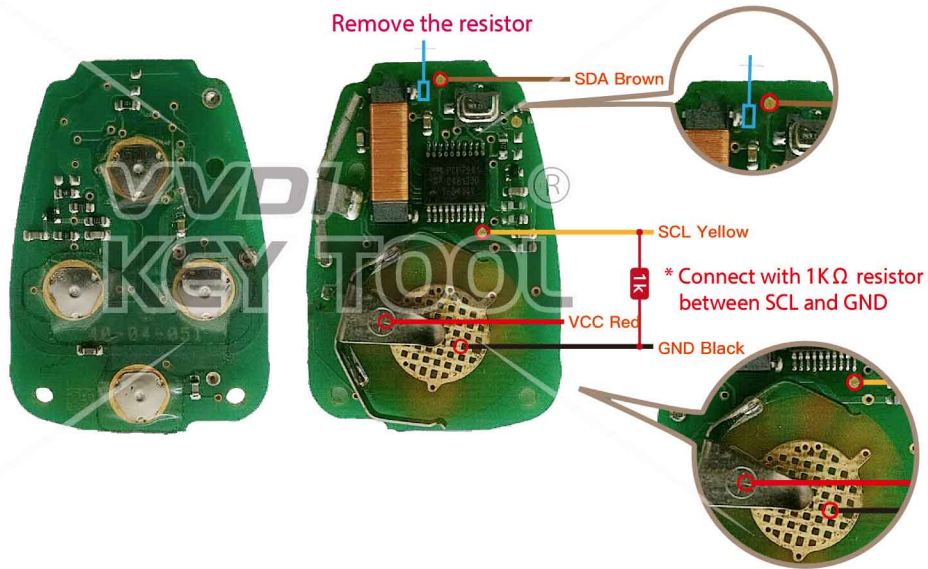
# Chrysler/JEEP/Dodge KOBOT04A



Key Information	Key Adapter	Chip Number
KOBOT04A	[20]	7961

### Support vehicle models

- |                          |                               |
|--------------------------|-------------------------------|
| 2007—2009 Chrysler Aspen | 2005—2007 Chrysler 300        |
| 2005—2007 Dodge Durango  | 2007—2011 Dodge Dakota        |
| 2007—2009 Dodge Ram      | 2007—2013 Dodge Avenger       |
| 2005—2007 Dodge Charger  | 2007—2012 Dodge Caliber       |
| 2005—2007 Jeep Commander | 2005—2007 Jeep Grand Cherokee |



Key Adapter



20

Lock Shell





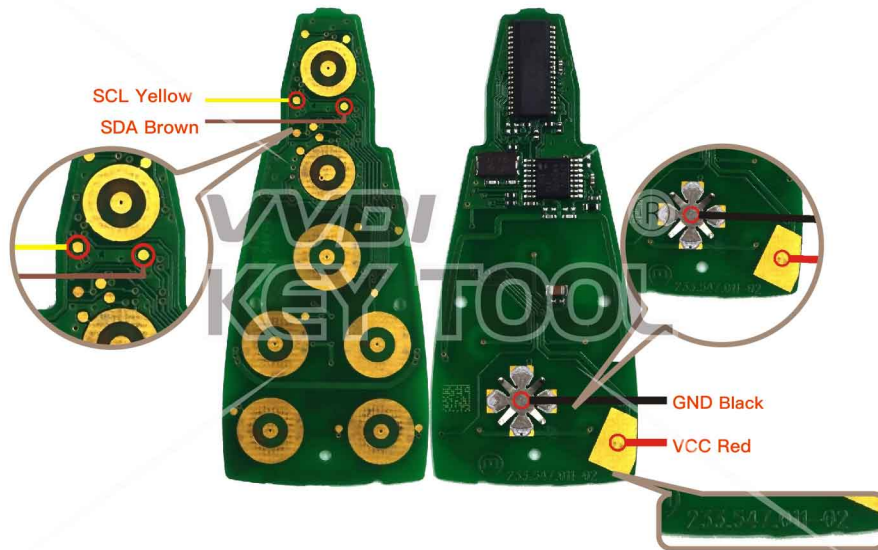
# Chrysler/JEEP/Dodge IYZ-C01C



Key Information	Key Adapter	Chip Number
IYZ-C01C		7941

## Support vehicle models

- |                               |                                 |
|-------------------------------|---------------------------------|
| 2008–2011 Chrysler 300        | 2008–2013 Chrysler Town&Country |
| 2010–2013 Dodge Caravan       | 2008–2013 Dodge Charger         |
| 2008–2013 Dodge Challenger    | 2011–2013 Dodge Durango         |
| 2008–2012 Dodge Grand Caravan | 2008–2011 Dodge Journey         |
| 2008– Dodge Magnum            | 2009–2013 Dodge RAM             |
| 2008–2010 Jeep Commander      | 2011–2013 Jeep Grand Cherokee   |



Key Adapter

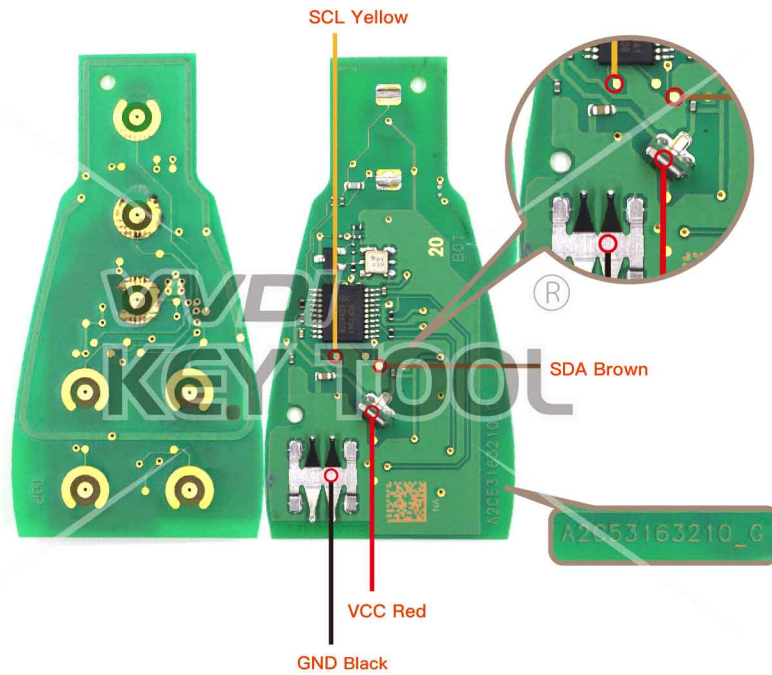
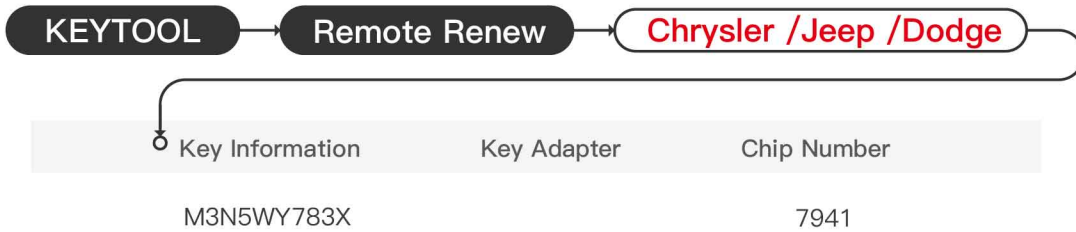


Lock Shell



Please follow the wiring diagram to use the programming cable.

# Chrysler/JEEP/Dodge M3N5WY783X



Key Adapter



Lock Shell



Please follow the wiring diagram to use the programing cable.

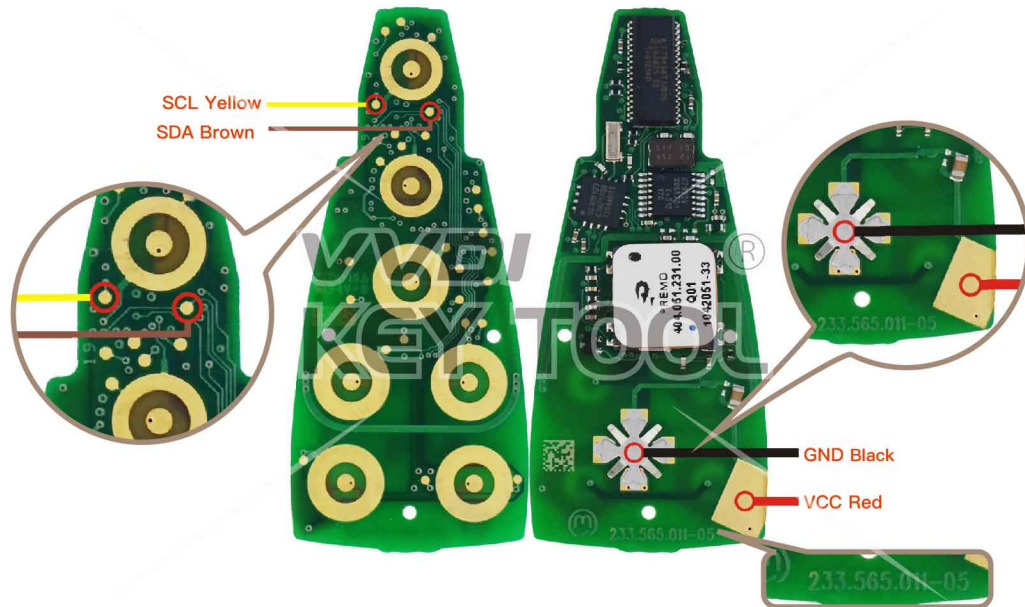
# Chrysler/JEEP/Dodge IYZ-C01C Smartkey



Key Information	Key Adapter	Chip Number
IYZ-C01C Smartkey	[10]	

### Support vehicle models

- |                               |                                 |
|-------------------------------|---------------------------------|
| 2008–2011 Chrysler 300        | 2008–2013 Chrysler Town&Country |
| 2010–2013 Dodge Caravan       | 2008–2013 Dodge Charger         |
| 2008–2013 Dodge Challenger    | 2011–2013 Dodge Durango         |
| 2008–2012 Dodge Grand Caravan | 2008–2011 Dodge Journey         |
| 2008– Dodge Magnum            | 2009–2013 Dodge RAM             |
| 2008–2010 Jeep Commander      | 2011–2013 Jeep Grand Cherokee   |



Key Adapter



**10** CRSL

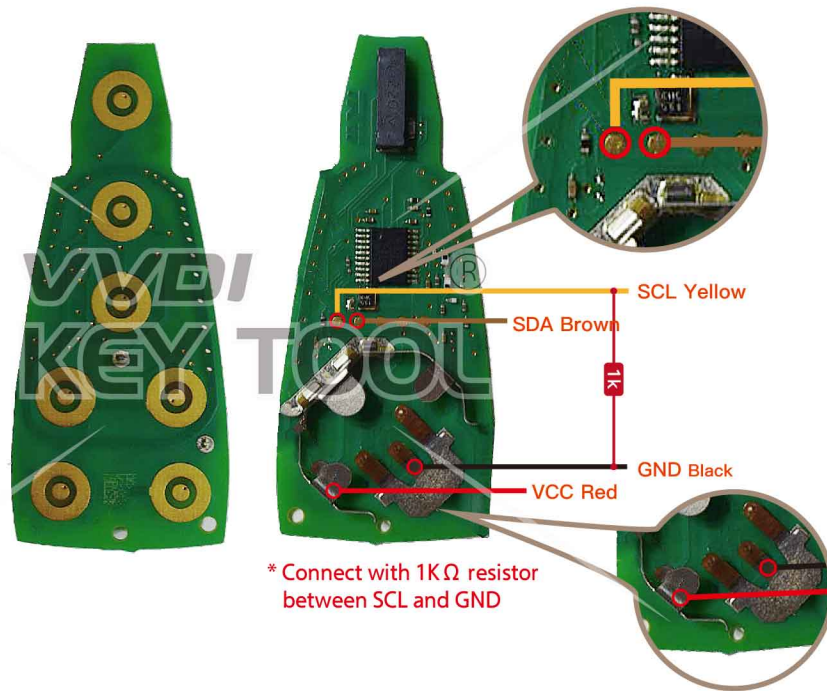
Lock Shell



# Chrysler/JEEP/Dodge GQ4-53T

KEYTOOL → Remote Renew → Chrysler / Jeep / Dodge

Key Information	Key Adapter	Chip Number	Note
GQ4-53T Hitag2	[16]	7961	Chip silkprint: 61c700



Key Adapter



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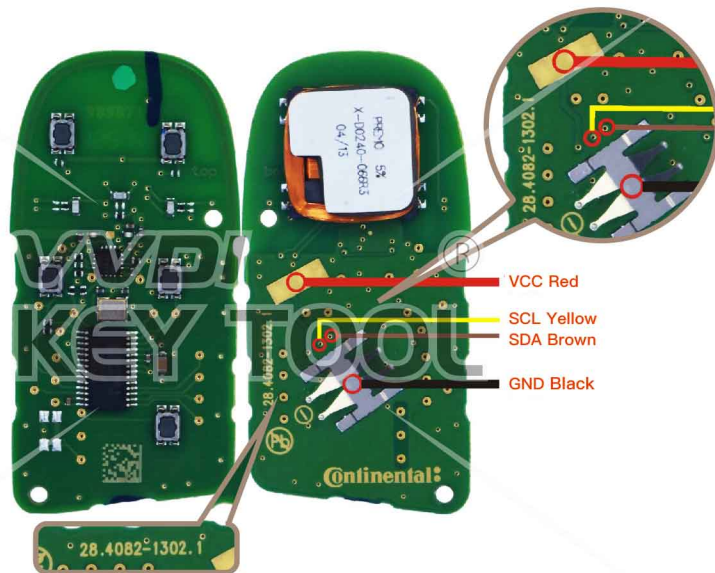
Lock Shell



# Chrysler/JEEP/Dodge M3M



Key Information	Key Adapter	Chip Number	Note
M3M AES M3M Hitag 2	[1 MAST]	7953	Chip silkprint: F7953MC



 Key Adapter



**1** MAST

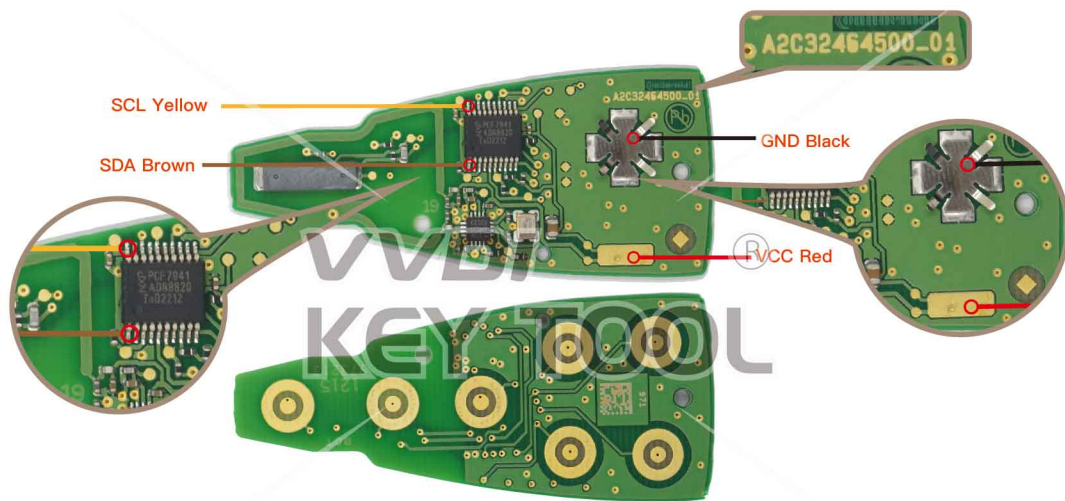
 Lock Shell



# Chrysler/JEEP/Dodge M3M 322971XX



Key Information	Key Adapter	Chip Number	Note
M3M 322971XX	[15]	7941	



Key Adapter



15

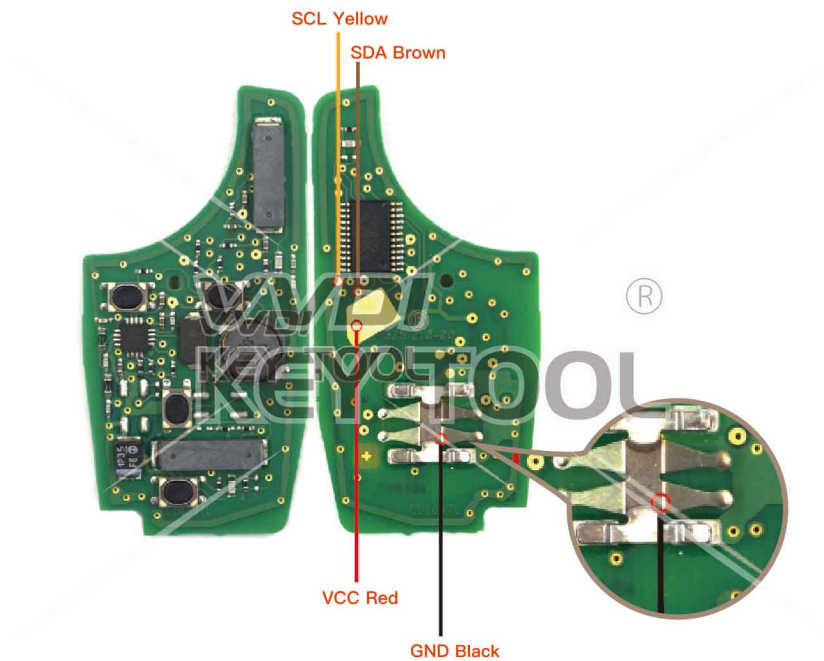
Lock Shell



# 长城 H2 Smartkey



Key Information	Key Adapter	Chip Number
28597945R 433MHz Smartkey	[23]	7952



Key Adapter



23

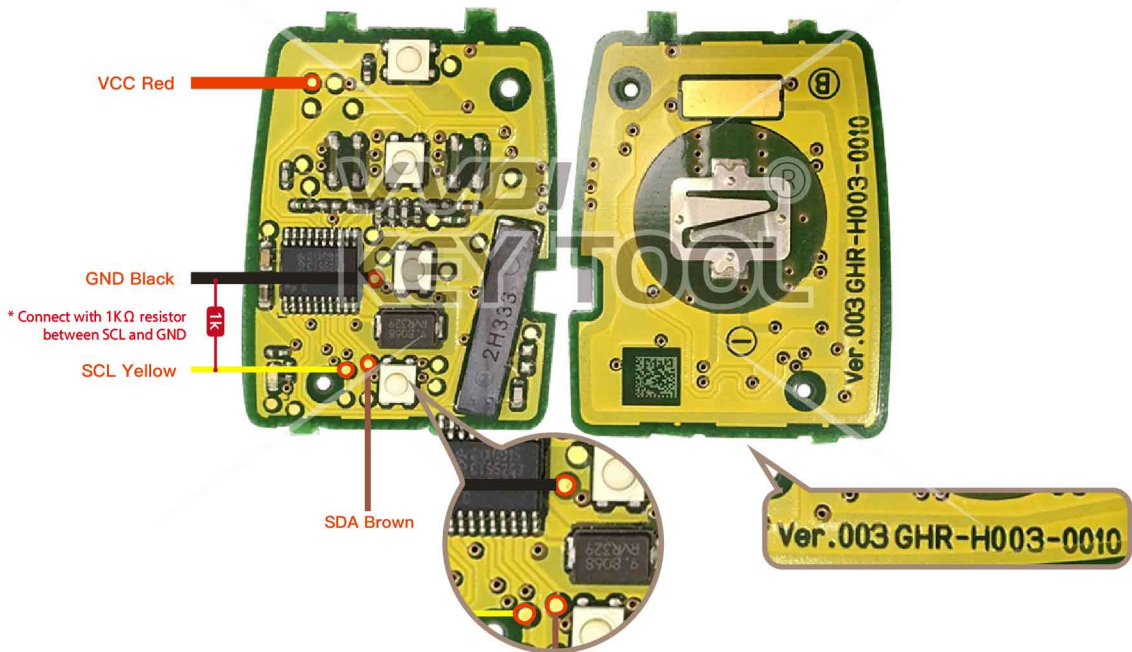
Lock Shell



# Honda



Key Information	Key Adapter	Chip Number
Ver.003 GHR-H003-0010	[29]	7961



Key Adapter



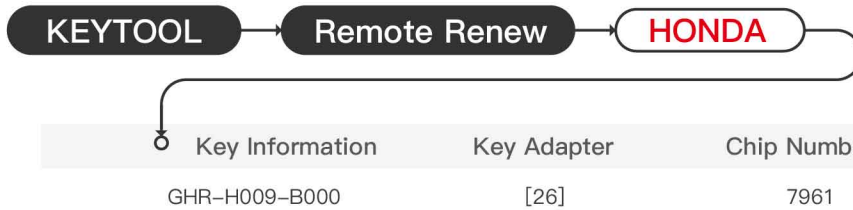
29

Lock Shell





# Honda



Key Adapter



26

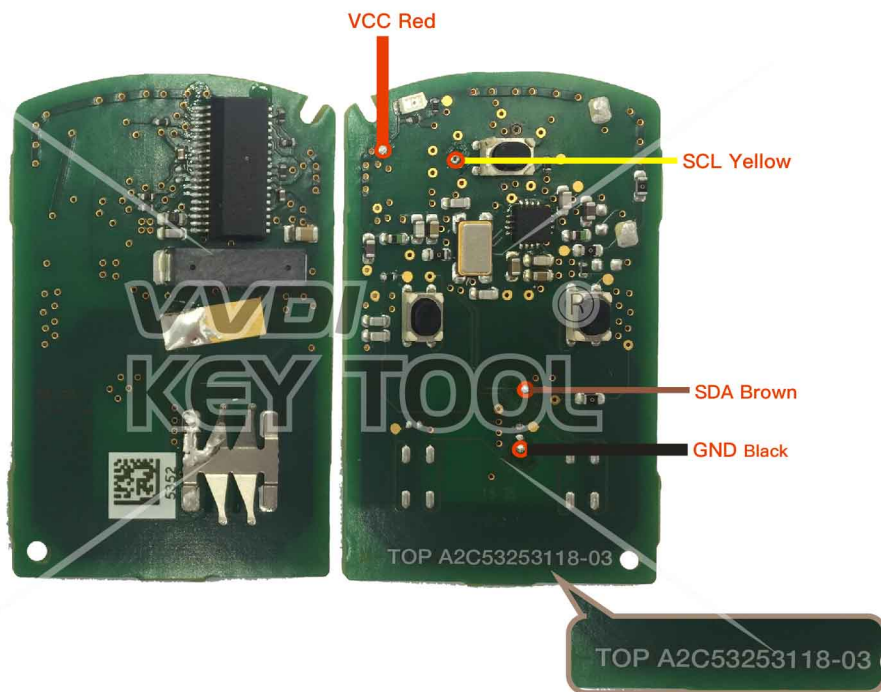
Lock Shell



# Honda



Key Information	Key Adapter	Chip Number
TOP A2C53253118-03	[32]	7961



Key Adapter



32

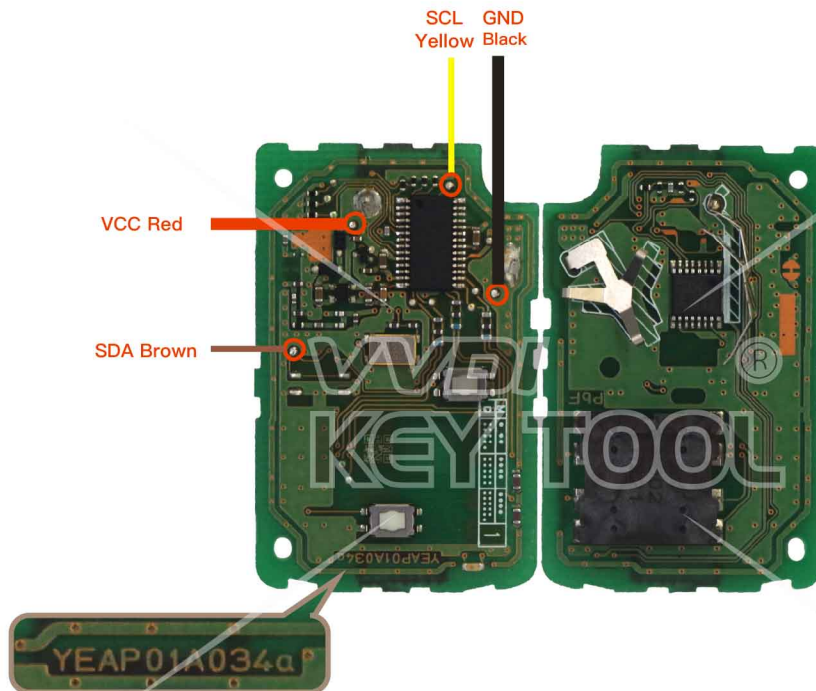
Lock Shell



# Honda



Key Information	Key Adapter	Chip Number
YEAP01A034a	[3 CRV]	7953



Key Adapter



**3** CRV

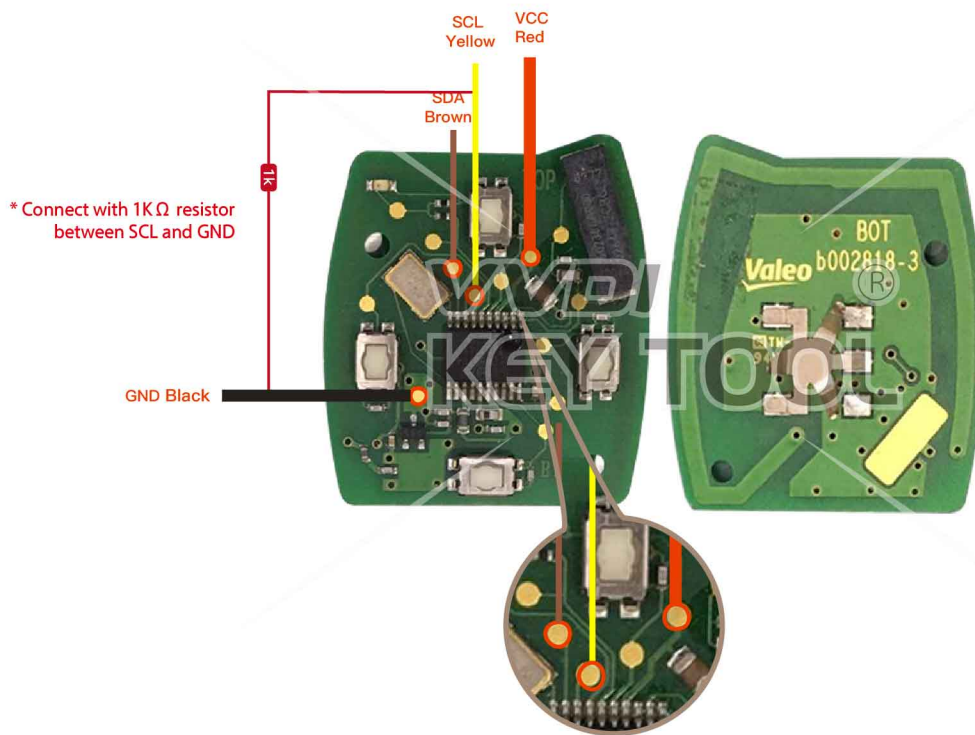
Lock Shell



# Honda



Key Information	Key Adapter	Chip Number
B002818-3-V0.3	[13]	7961



Key Adapter

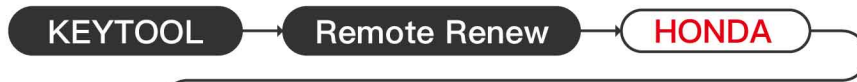


13

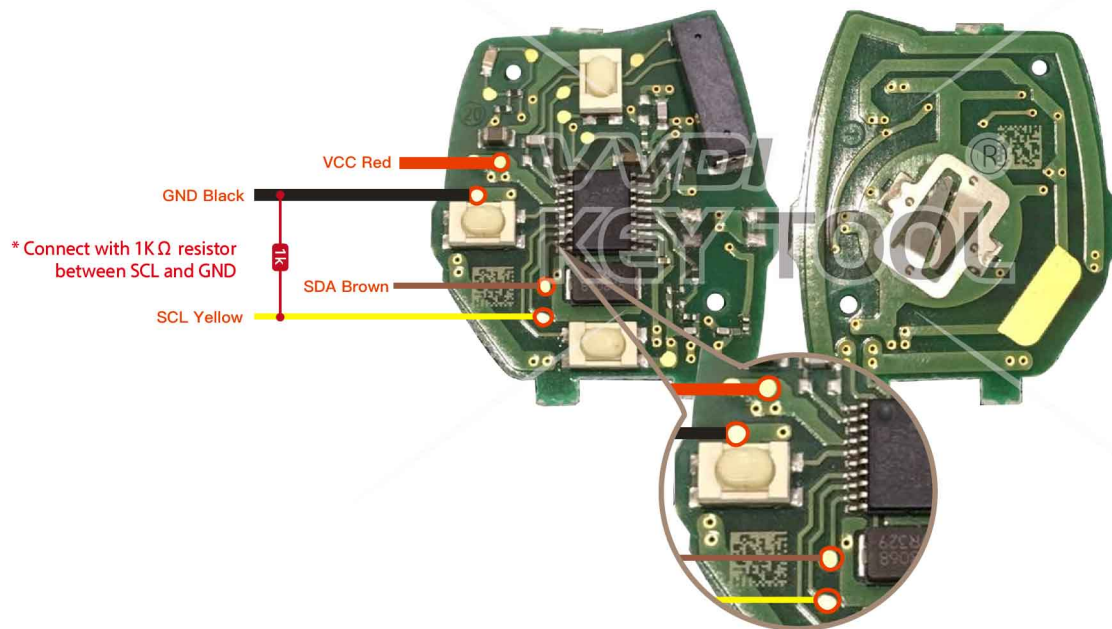
Lock Shell



# Honda



Key Information	Key Adapter	Chip Number
CMII ID:2006DJ0987 MODEL NO. :HLIK-1T		7961



Key Adapter



21

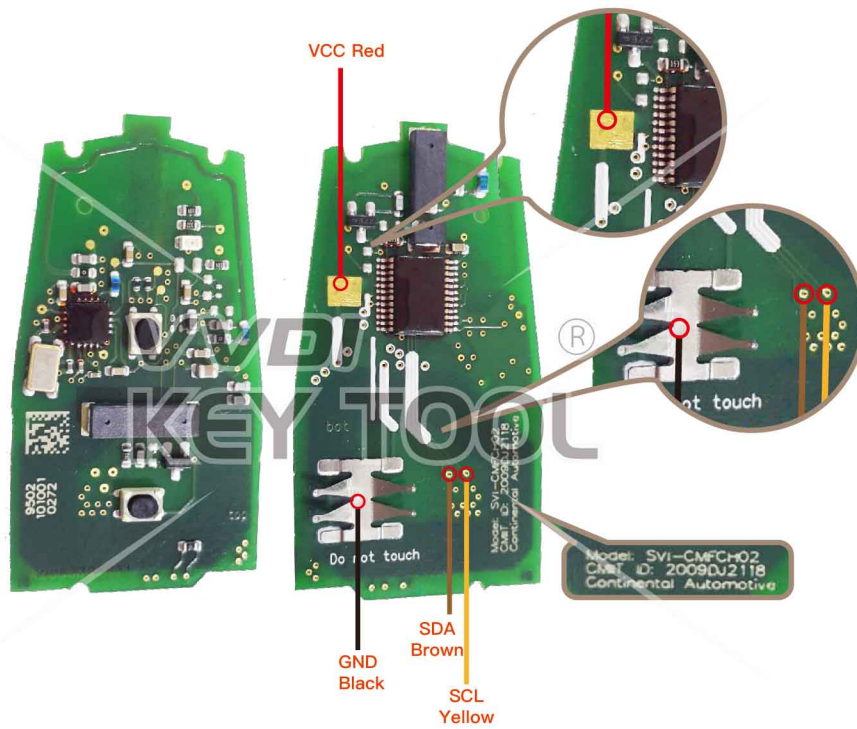
Lock Shell



# Hyundai/KIA SVI-CMFCH02



Key Information	Key Adapter	Chip Number	Note
SVI-CMFCH02	[11 HYUD-1]	7952	After 2009 Most Hyundai/Kia 2-button Smartkey Chip silkprint:049620C03



Key Adapter



**11** HYUD-1

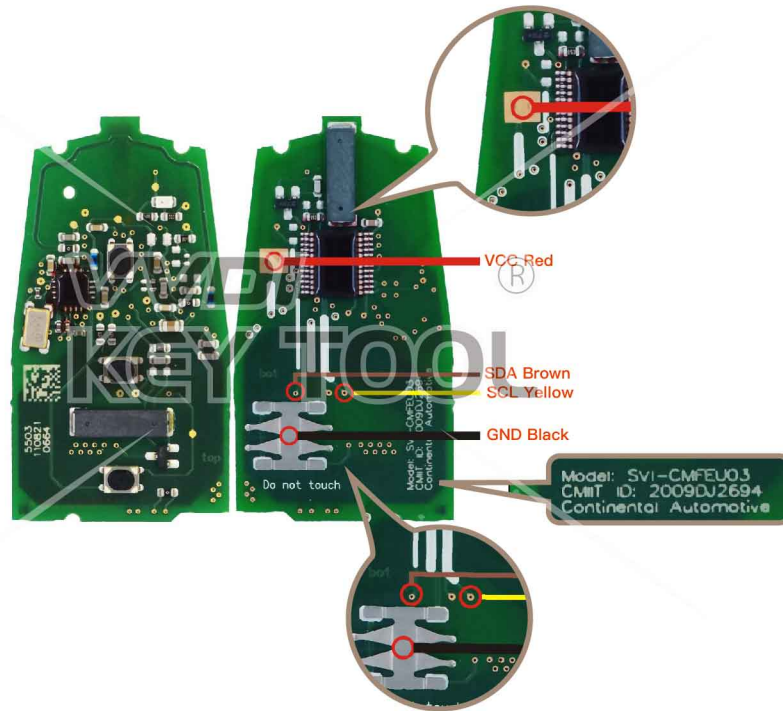
Lock Shell



# Hyundai/KIA SVI-CMFEU03



Key Information	Key Adapter	Chip Number	Note
SVI-CMFCH03	[11 HYUD-1]	7952	After 2009 Most Hyundai/Kia 3-button Smartkey Chip silkprint:049620C03



Key Adapter



**11** HYUD-1

Lock Shell

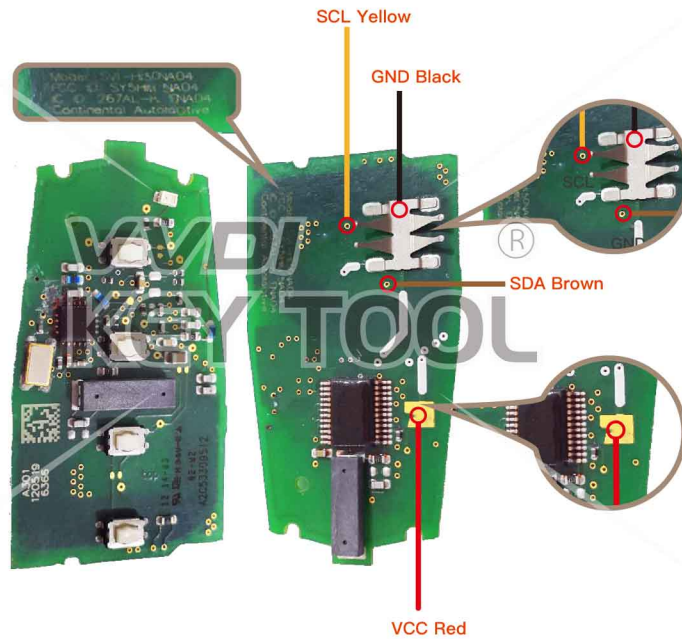


# Hyundai/KIA

SVI-HMFNA04  
SVI-HMFEU04  
SVI-HMFKR04



Key Information	Key Adapter	Chip Number	Note
SVI-CMFCH03		7952	After 2009 Most Hyundai/Kia
SVI-HMFEU04		7952	4-button Smartkey
SVI-HMFKR04		7952	Chip silkprint:049620C03



Key Adapter



**11** HYUD-1

Lock Shell

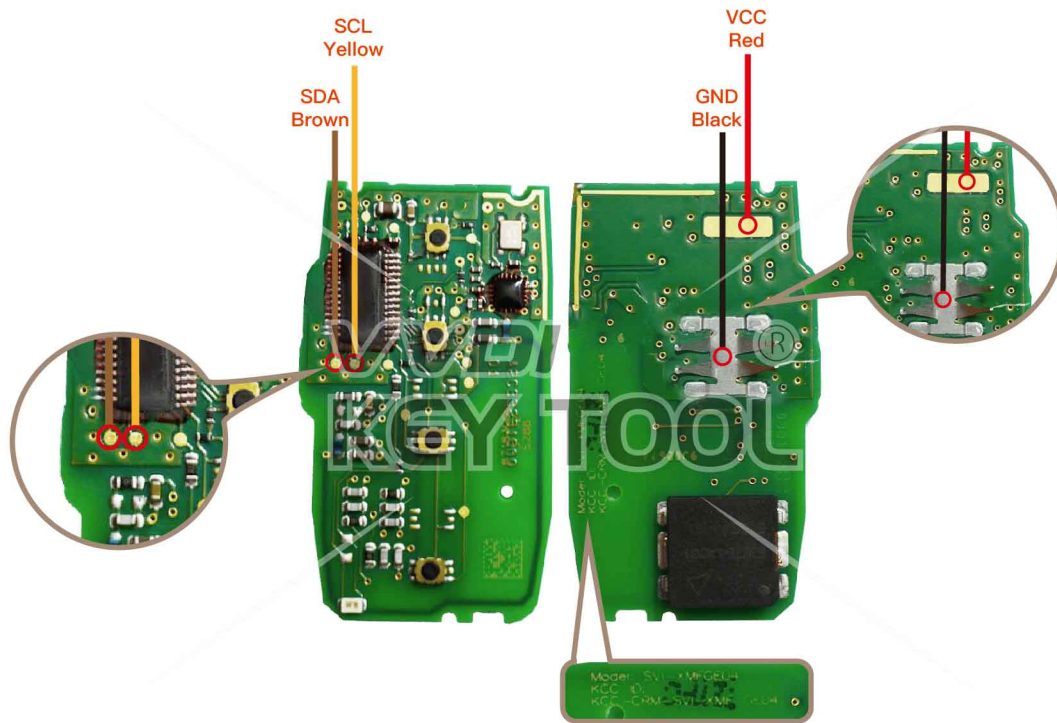




# Hyundai/KIA SVI-XMFGE04



Key Information	Key Adapter	Chip Number
SVI-XMFGE04		7953



Key Adapter

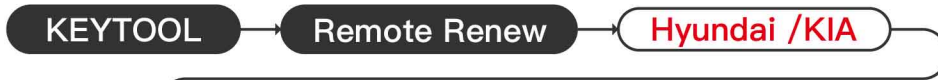


Lock Shell

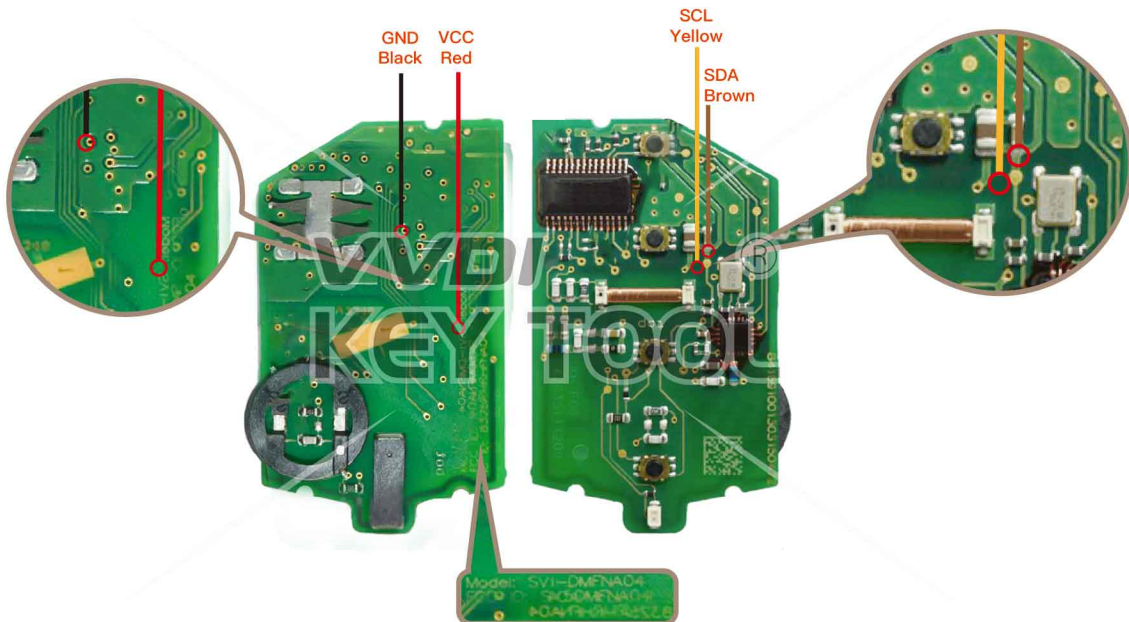


Please follow the wiring diagram to use the programming cable.

# Hyundai/KIA SVI-KHFGE04 SVI-KHFNA433



Key Information	Key Adapter	Chip Number
SVI-KHFGE04		7953
SVI-KHFNA433		7953



Key Adapter



Lock Shell

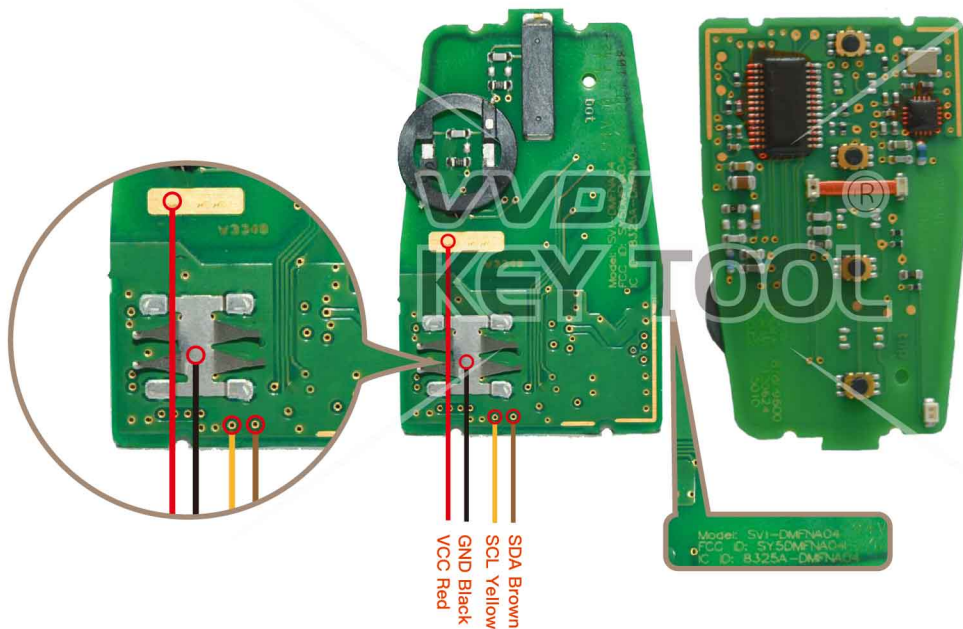


Please follow the wiring diagram to use the programming cable.

# Hyundai/KIA SVI-DMFGE04 SVI-DMFNA04



Key Information	Key Adapter	Chip Number
SVI-DMFGE04		7953
SVI-DMFNA04		7953



Key Adapter



Please follow the wiring diagram to use the programming cable.

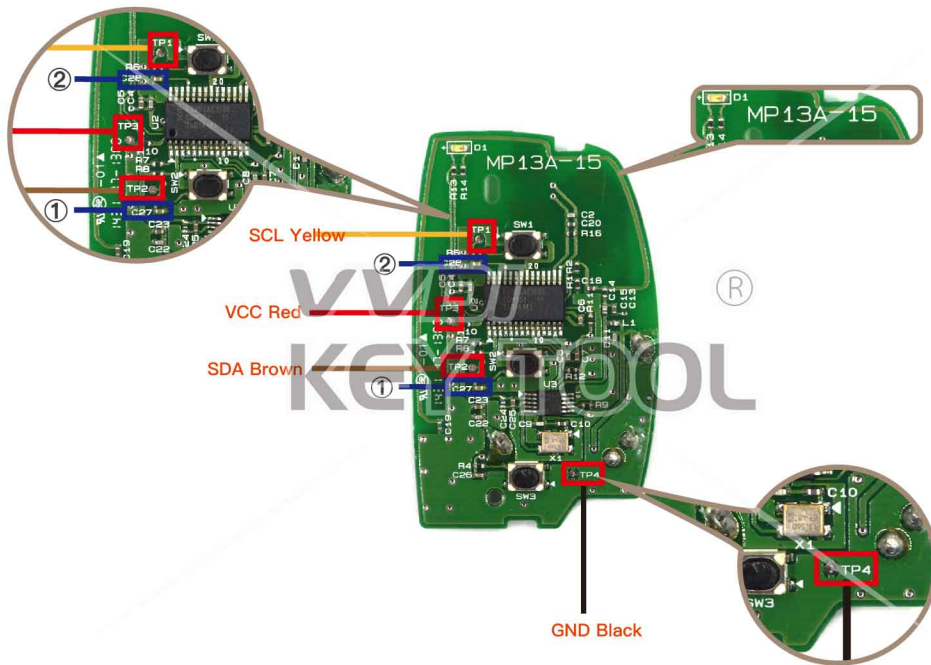
Lock Shell



# Hyundai/KIA MP13L-15



Type	Frequency	Transponder	Note
MP13A_15 Smartkey	433	7953	Please remove the C27 and C28 components of legend ① and legend ②



Key Adapter



34

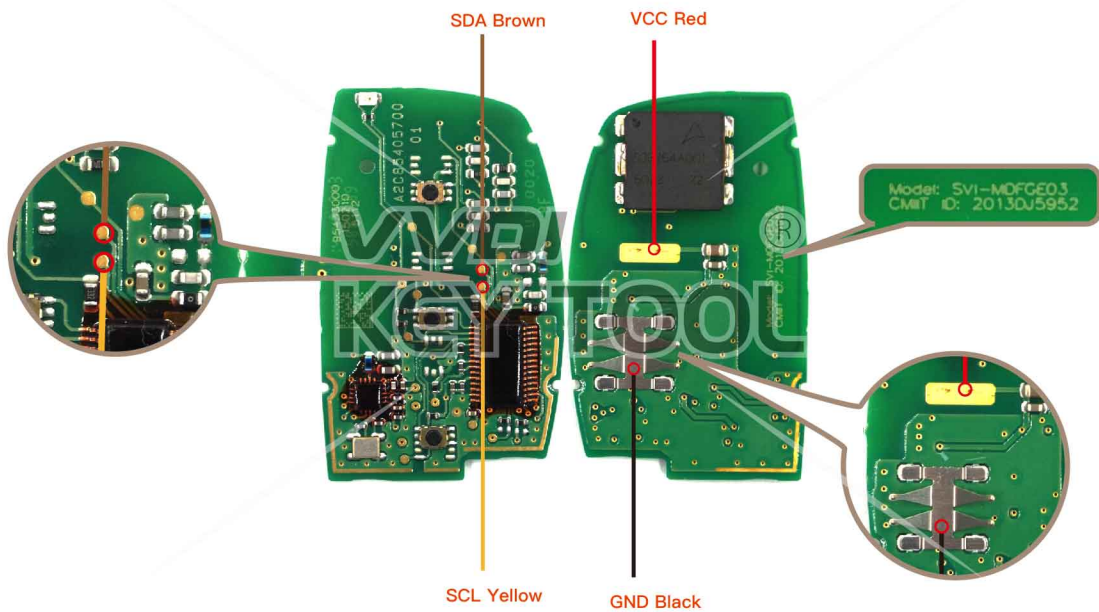
Lock Shell



# Hyundai/KIA SVI-MDFGE03



Type	Frequency	Transponder	Note
SVI-MDFGE03		7953	2013DJ5952 3-button



 Key Adapter



 Lock Shell

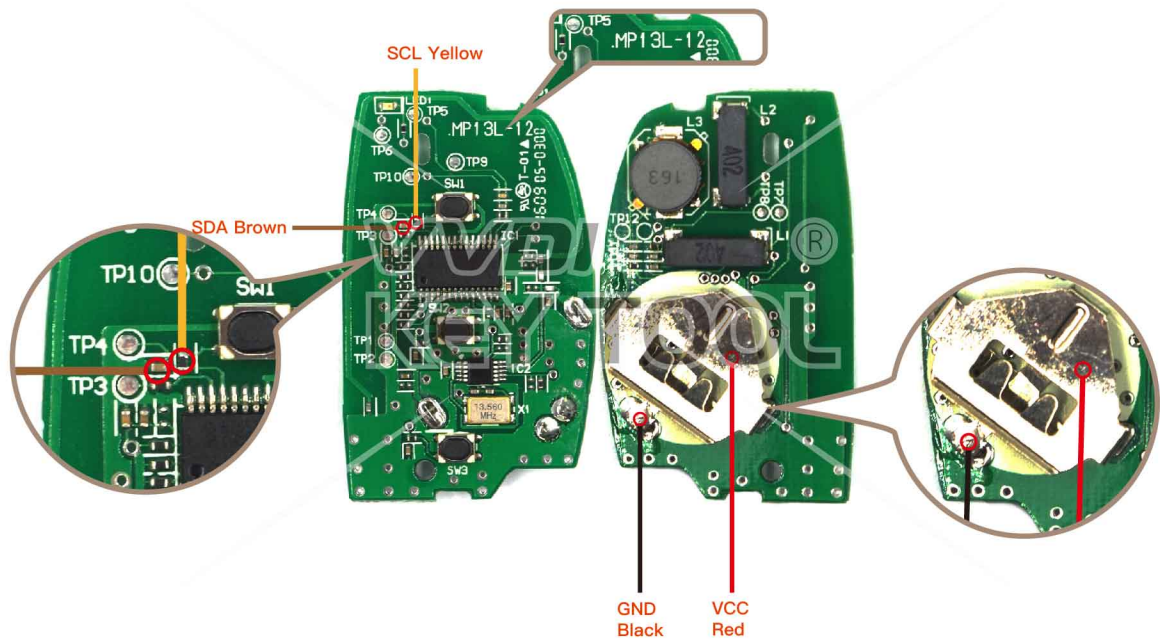


Please follow the wiring diagram to use the programming cable.

# Hyundai/KIA MP13L-12



Type	Frequency	Transponder	Note
MP13L-12		7953	



Key Adapter



33

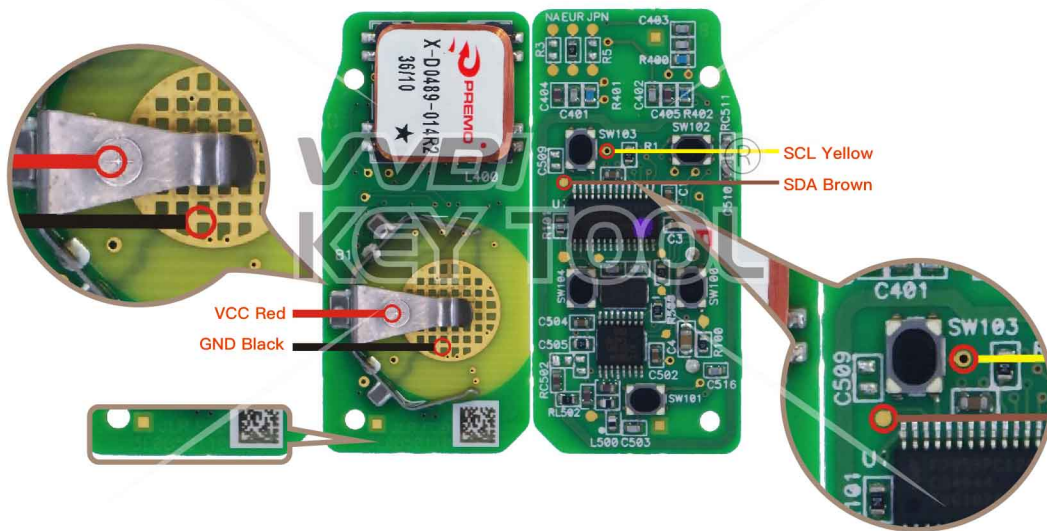
Lock Shell



# LAND ROVER 5E0U40247 434MHz



Key Information	Key Adapter	Chip Number
5E0U40247 434MHz	[6 LDRV]	7953



Key Adapter



Lock Shell



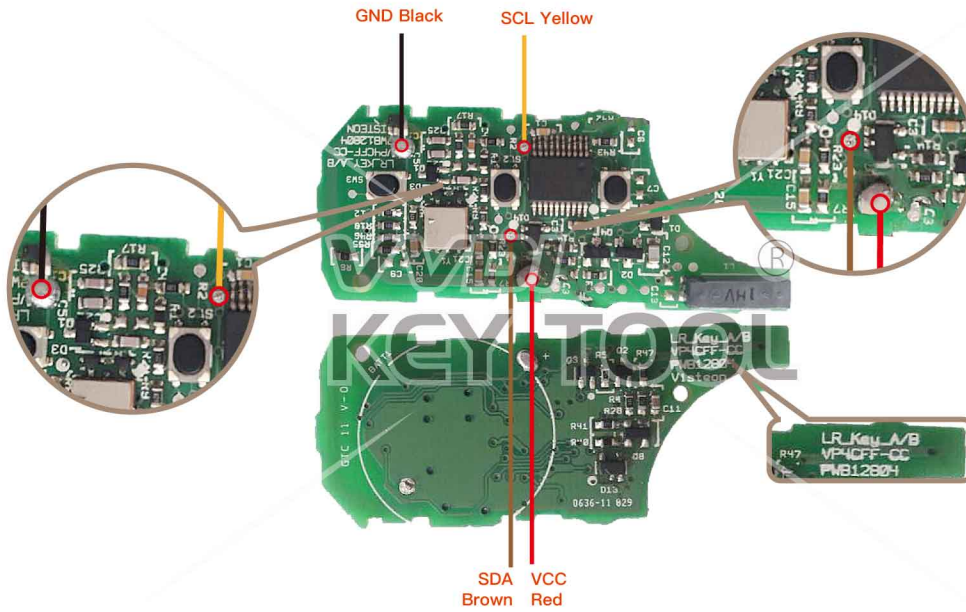
**6** LDRV

# LAND ROVER

YWX000061 434MHz Visteon  
 YWX000071 315MHz Visteon



Key Information	Key Adapter	Chip Number
YWX000061 434MHz Visteon		7941
YWX000071 315MHz Visteon		7941



Key Adapter



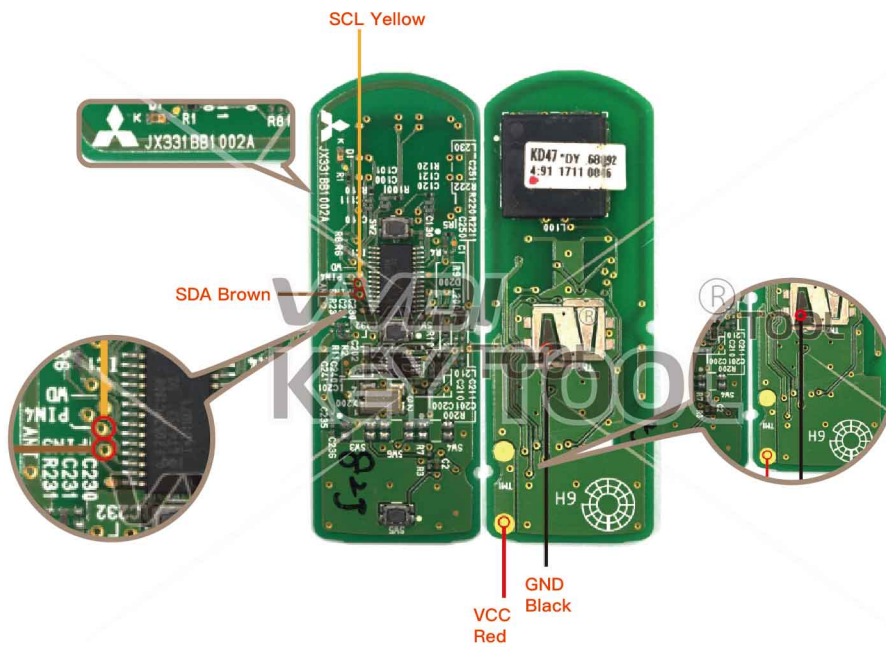
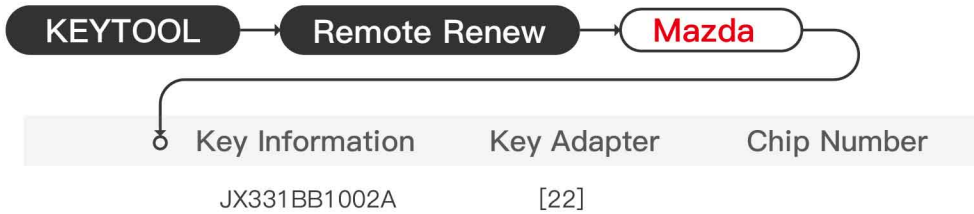
Please follow the wiring diagram to use the programming cable.

Lock Shell





# Mazda CX5 Smartkey



Key Adapter



22

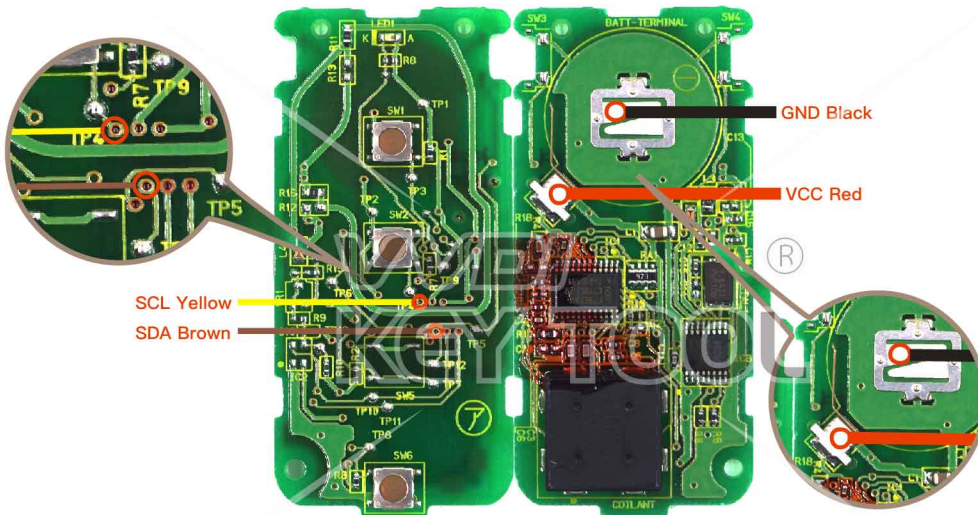
Lock Shell



# Mitsubishi G8D-644M-KEY 434MHZ



Key Information	Key Adapter	Chip Number
G8D-644M-KEY 434MHZ		7953



 Key Adapter

 Lock Shell

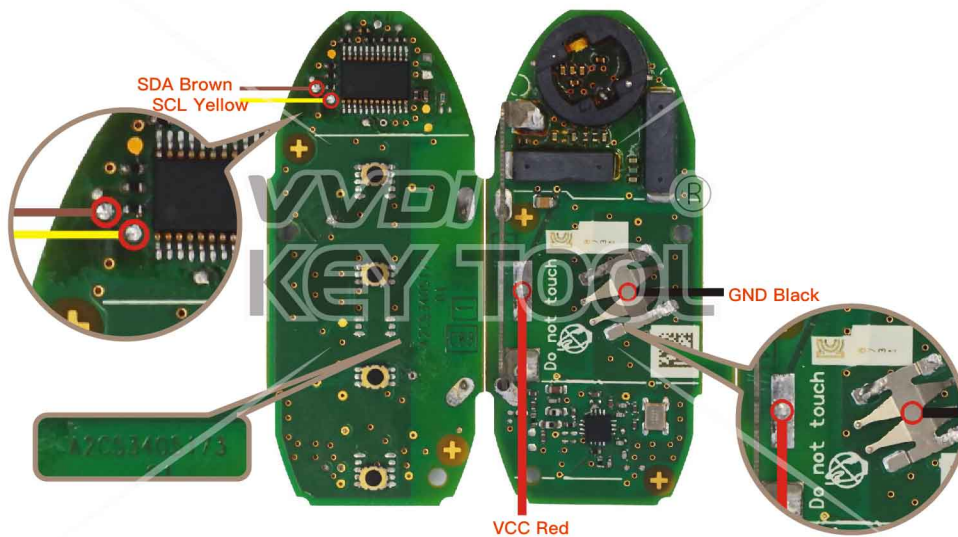


Please follow the wiring diagram to use the programming cable.

# NISSAN Hitag 3 Smartkey



Key Information	Key Adapter	Chip Number
Hitag2 A2C53188764 315MHz Smartkey	[2 NISS]	7953
Hitag2 A2C53405173 433MHz Smartkey	[2 NISS]	7953



Key Adapter

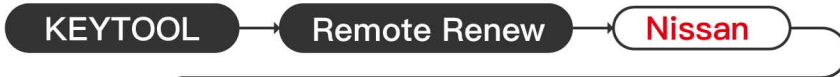


Lock Shell

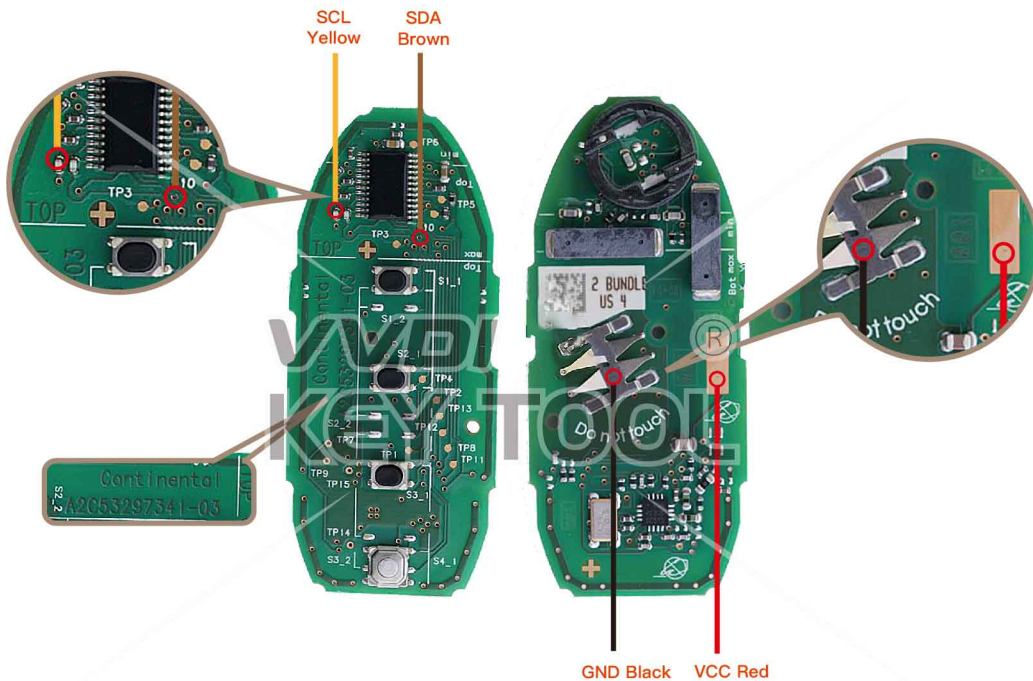


**2** NISS

# NISSAN Hitag 2 Smartkey



Key Information	Key Adapter	Chip Number	Note
Hitag2 A2C53297341 315MHz Smartkey	[18]	7952	PCB No.A2C53297341



Key Adapter



18

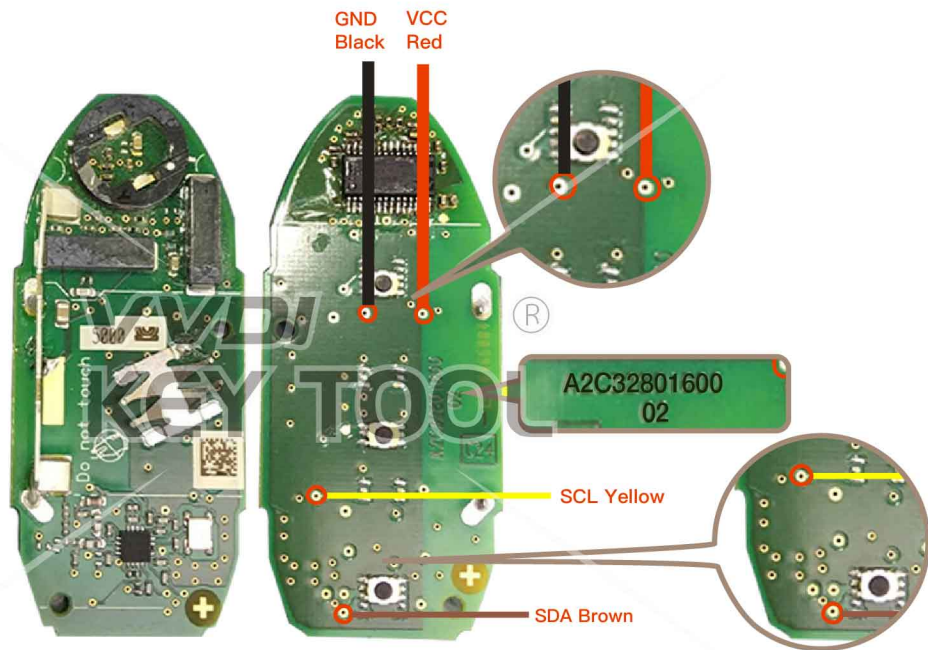
Lock Shell



# NISSAN



Key Information	Key Adapter	Chip Number	Note
A2C32801600	[19]	7953	



Key Adapter



19

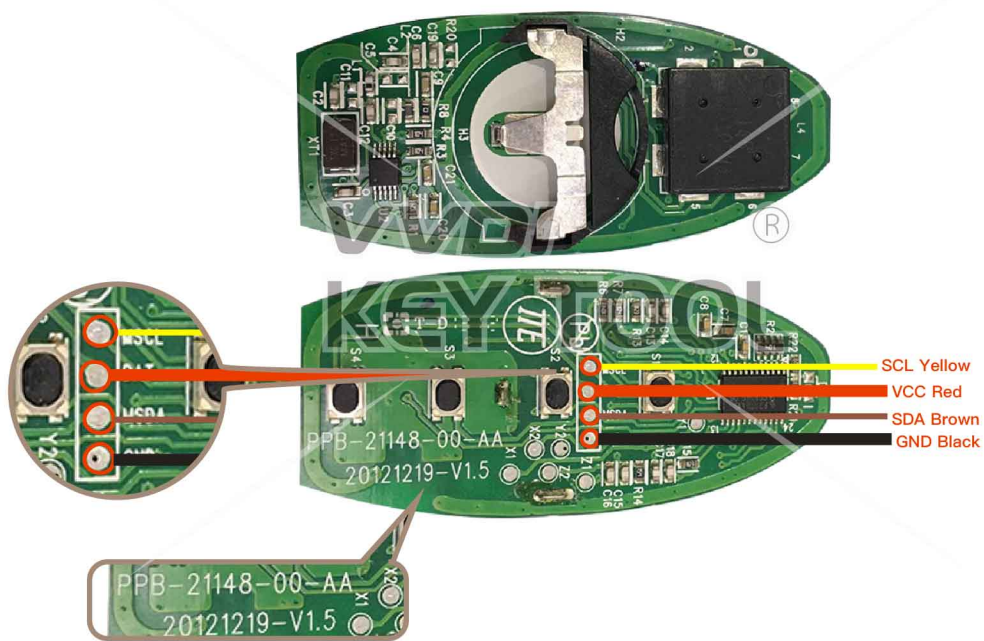
Lock Shell



# NISSAN



Key Information	Key Adapter	Chip Number	Note
PBB-21148-00-AA-V0.1	[14]	7952	



Key Adapter

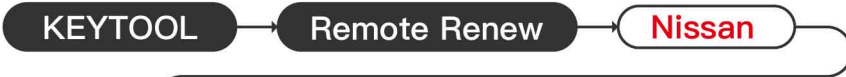


14

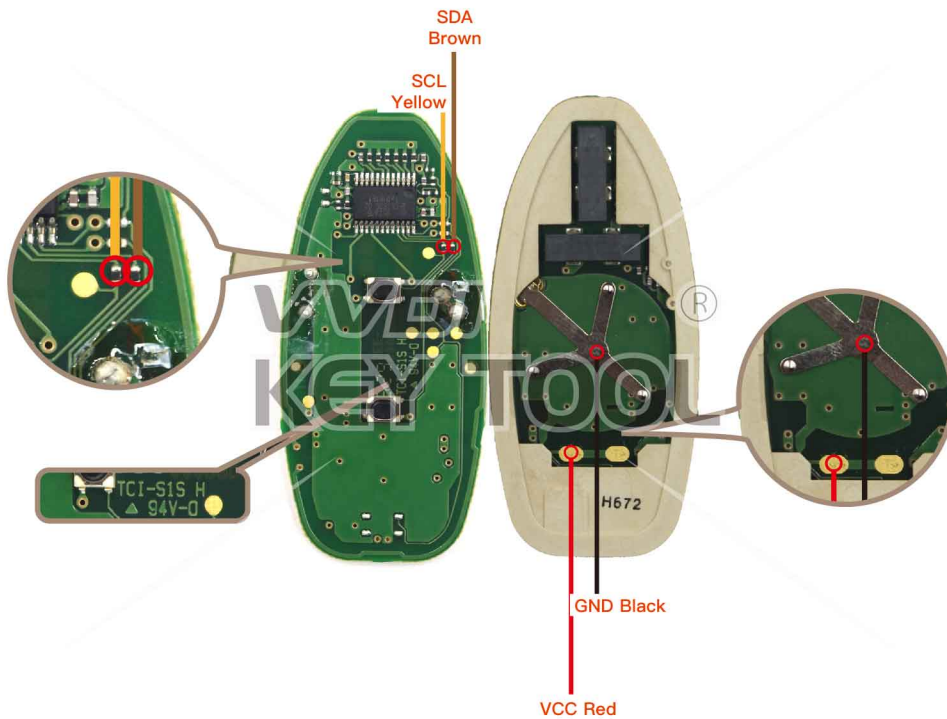
Lock Shell



# NISSAN Hitag 2 Smartkey



Key Information	Key Adapter	Chip Number	Note
FCC ID-CWTWB1U825 Hitag2 2-button Smartkey	[25]	7952	PCB No.2EE-00053DA TCI-SIS H



Key Adapter

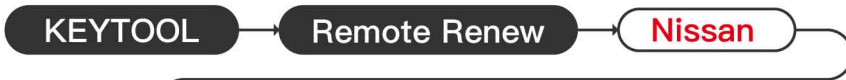


25

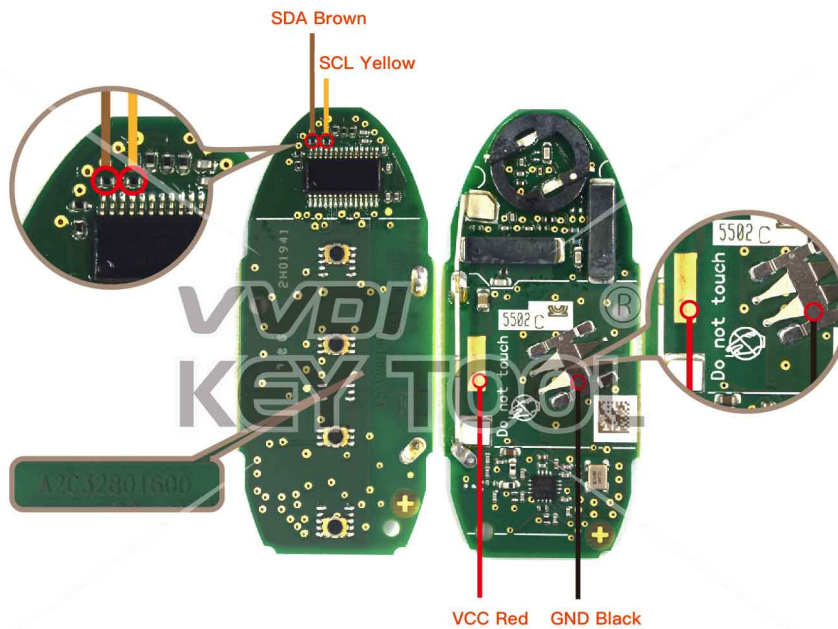
Lock Shell



# NISSAN



Key Information	Key Adapter	Chip Number	Note
Hitag-AES A2C32801600 433MHz Smartkey		7953	
Hitag-AES A232800800 433MHz Smartkey		7953	



Key Adapter



Please follow the wiring diagram to use the programming cable.

Lock Shell

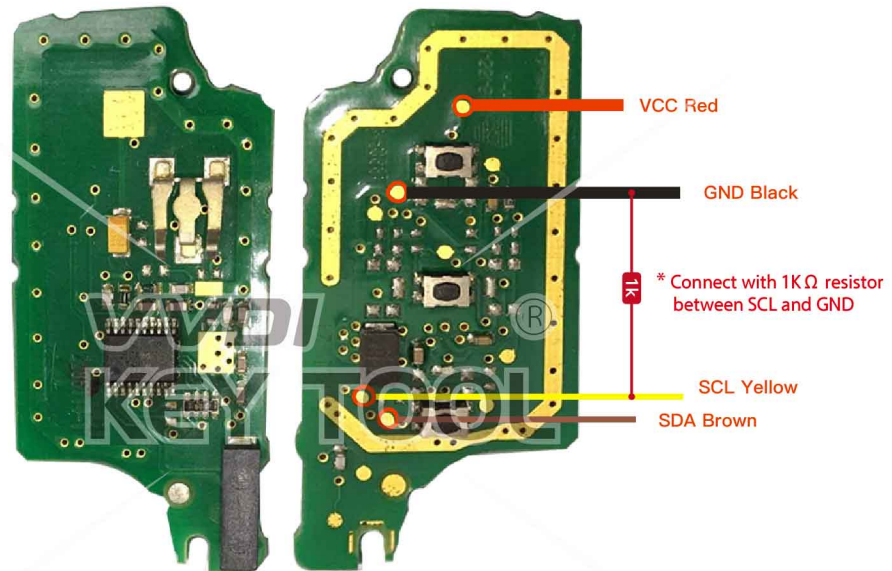




# Peugeot



Key Information	Key Adapter	Chip Number
JCI 22851114-1	[17]	7961



Key Adapter



17

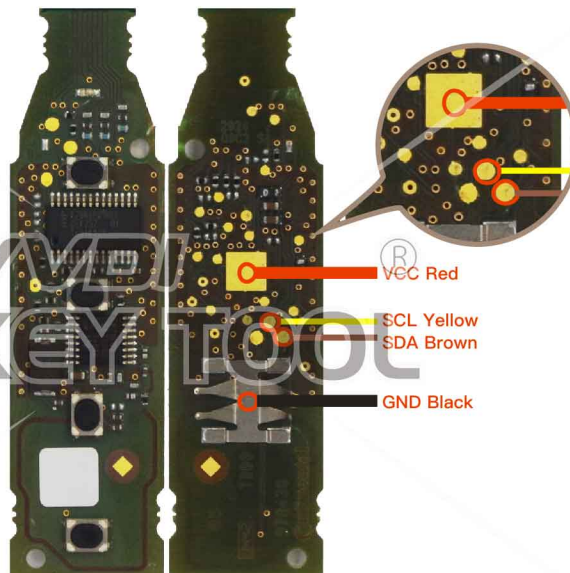
Lock Shell



# Porsche



Key Information	Key Adapter	Chip Number
7PP959753BN 434MHz	[4 POSC]	7953
7PP959753BS 434MHz	[4 POSC]	7953
7PP959753BM 315MHz	[4 POSC]	7953
7PP959753BQ 315MHz	[4 POSC]	7953
7PP959753AJ 434MHz	[4 POSC]	7953



Key Adapter



**4 POSC**

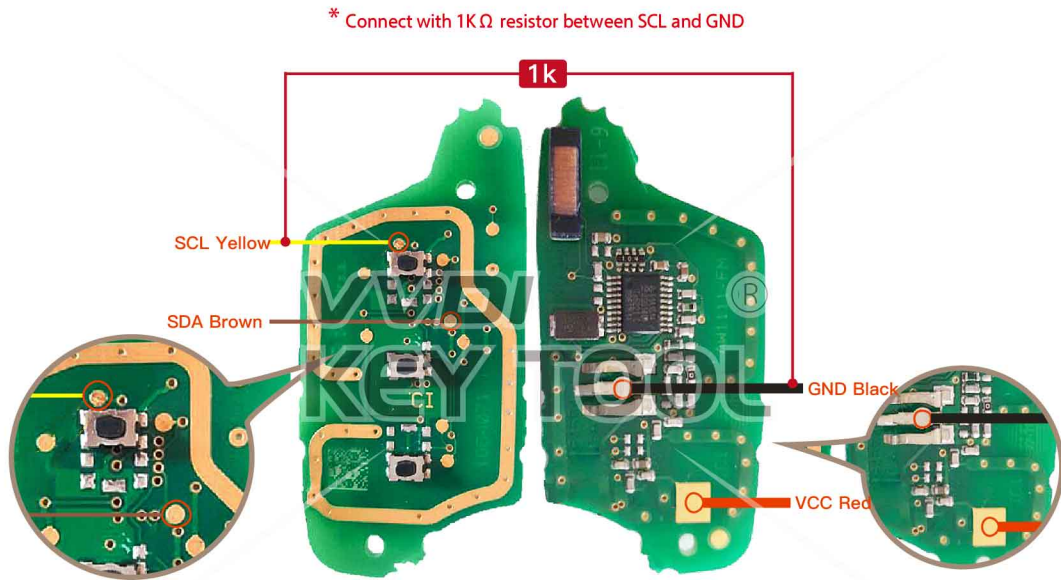
Lock Shell



# Renault AK010008 Fluence 3-button 433MHz



Key Information	Key Adapter	Chip Number
AK010008 Fluence 3-button 433MHz		7961



 Key Adapter



 Lock Shell

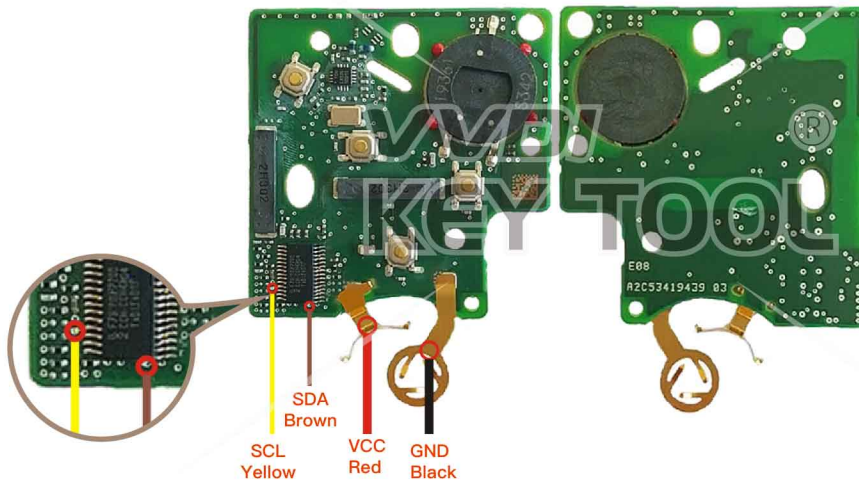


Please follow the wiring diagram to use the programming cable.

# Renault 285971998R Smartkey Hitag—AES 433MHz



Key Information	Key Adapter	Chip Number
285971998R Smartkey Hitag—AES 433MHz		7953



Key Adapter



Lock Shell

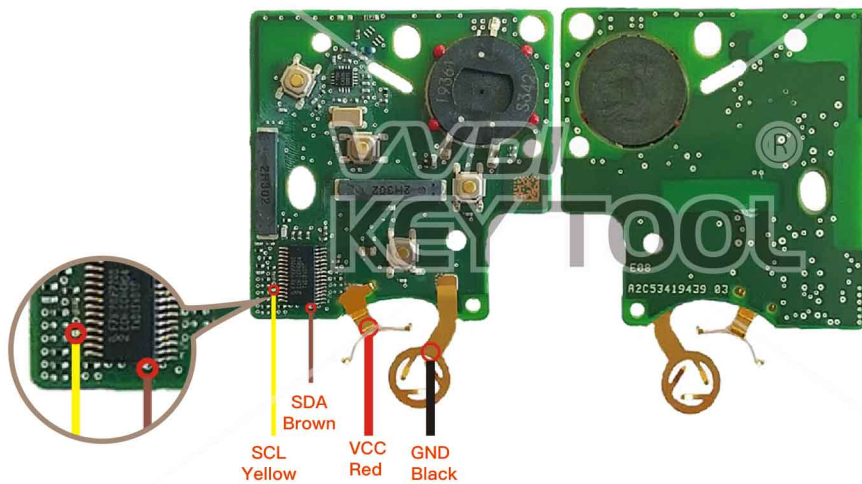


Please follow the wiring diagram to use the programing cable.

# Renault 285974100 Remote Hitag—AES 433MHz



Key Information	Key Adapter	Chip Number
285974100 Remote Hitag—AES 433MHz		7953



Key Adapter

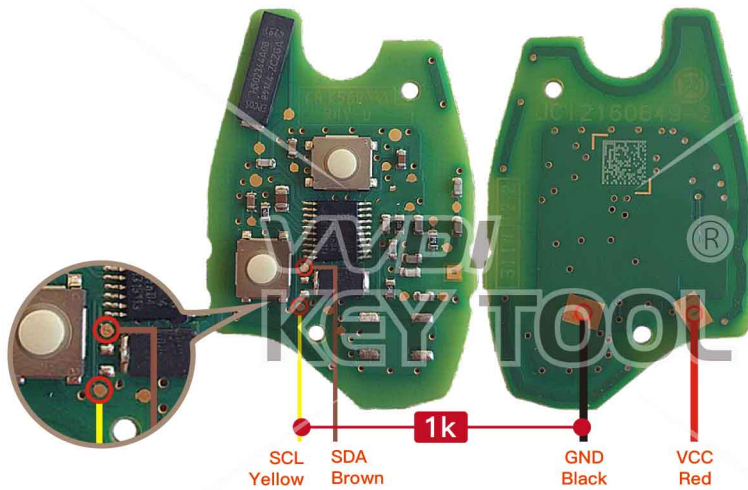
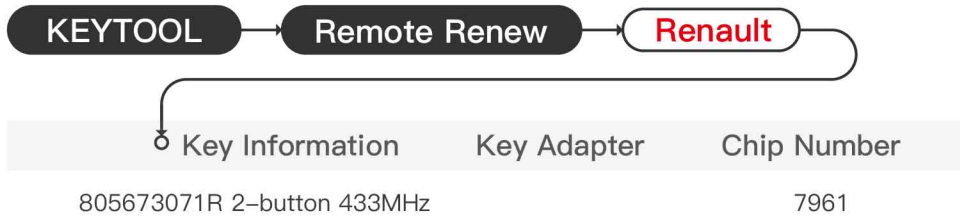


Please follow the wiring diagram to use the programming cable.

Lock Shell



# Renault 805673071R 2-button 433MHz



\* Connect with 1KΩ resistor between SCL and GND

Key Adapter

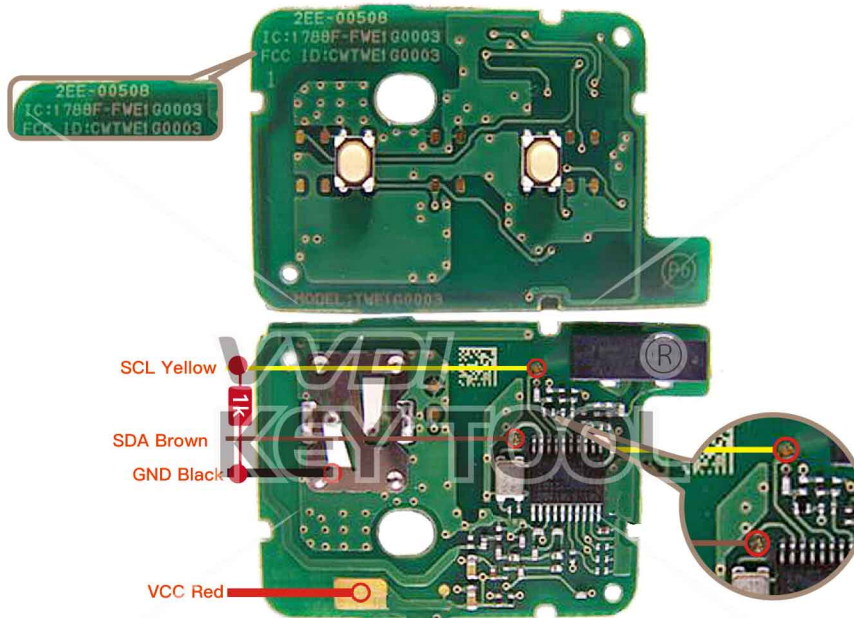
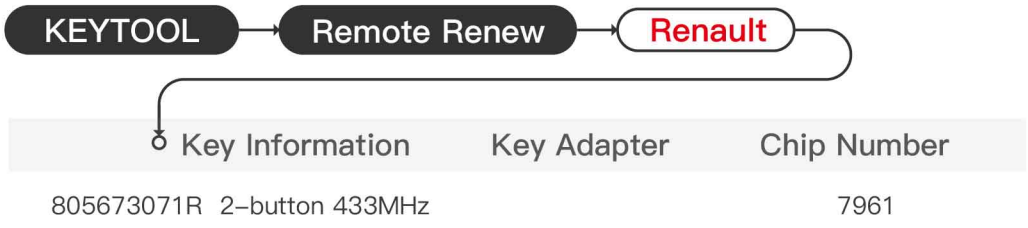


Lock Shell



Please follow the wiring diagram to use the programming cable.

# Renault 805673071R 2-button 433MHz



\* Connect with 1KΩ resistor between SCL and GND

Key Adapter



Please follow the wiring diagram to use the programming cable.

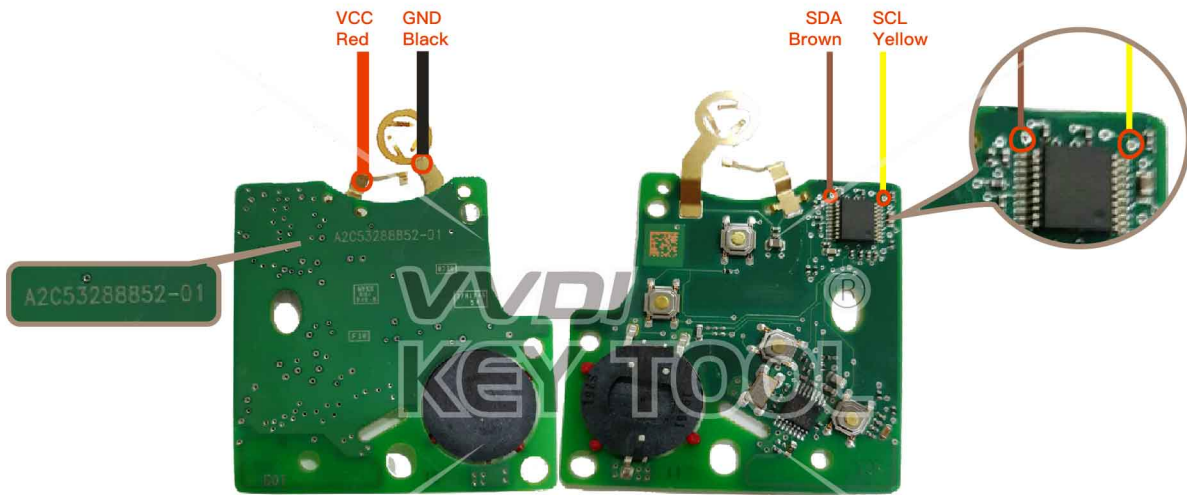
Lock Shell



# Renault 285970036R Hitag2-433MHz



Key Information	Key Adapter	Chip Number
285970036R Hitag2-433MHz		7941



Key Adapter



Lock Shell



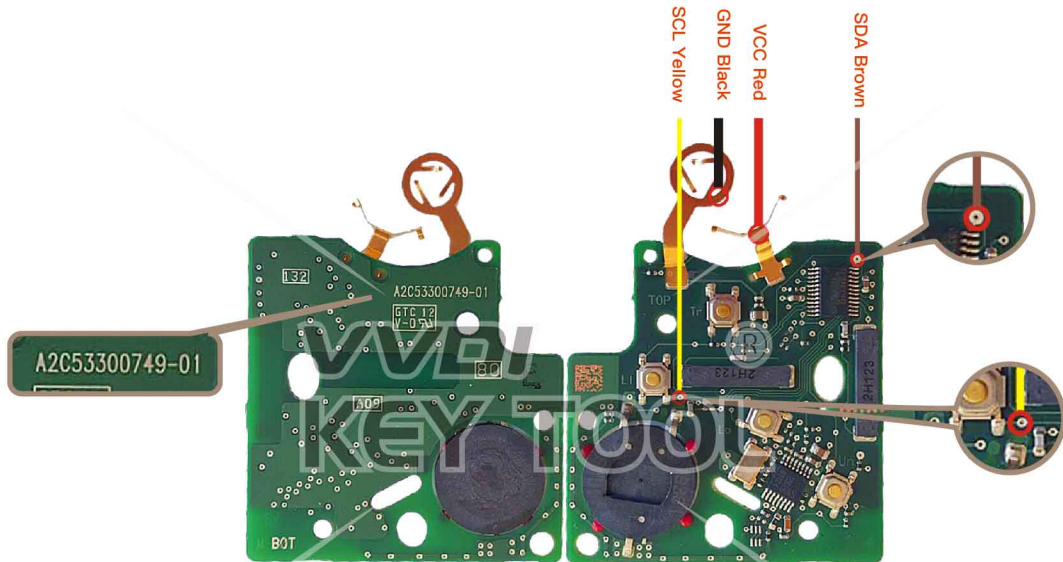
Please follow the wiring diagram to use the programming cable.



# Renault 285975779R Smartkey 433MHz



Key Information	Key Adapter	Chip Number
285975779R Smartkey 433MHz		7952



Key Adapter

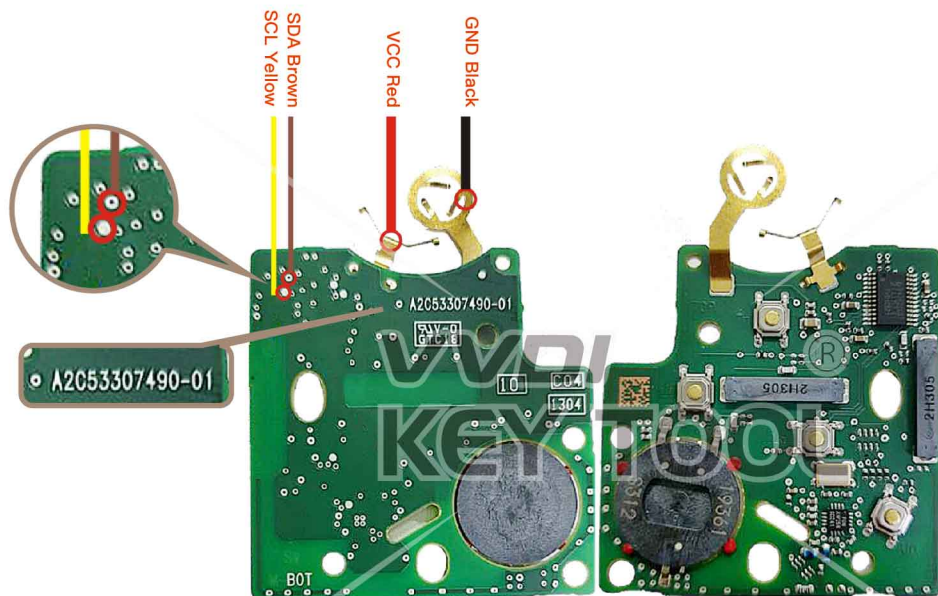
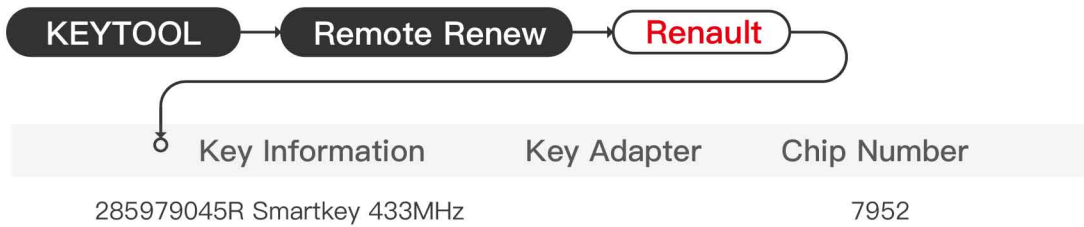


Lock Shell



Please follow the wiring diagram to use the programming cable.

# Renault 285979045R Smartkey 433MHz



Key Adapter

Lock Shell

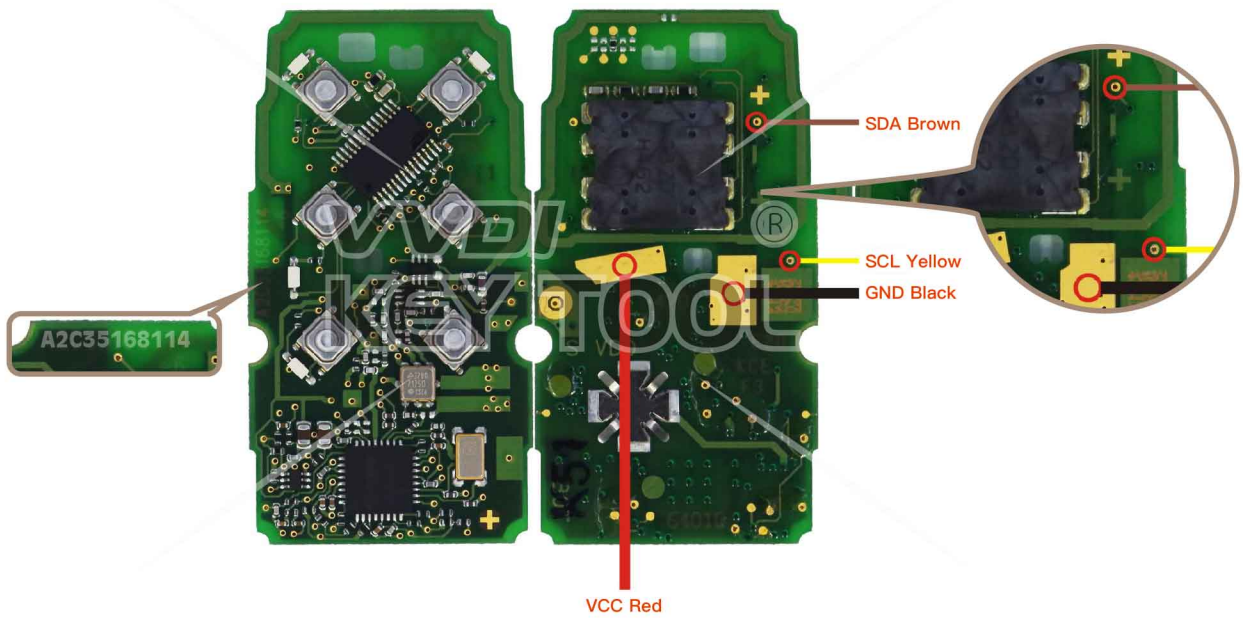


Please follow the wiring diagram to use the programing cable.

# Volvo Hitag2/Hitag Smartkey



Key Information	Key Adapter	Chip Number
5WK49266(900MHz) Smartkey		7953
5WK49269(433MHz) Smartkey	[12 VOLO]	7953



Key Adapter



**12 VOLO**

Lock Shell



More vehicle types will be supported continuously,  
so stay tuned...

**VVDI** *KEY TOOL*