



Shenzhen Xtooltech Co., Ltd

Elect Pump Elect Pump Function List V5.20

| Brand | Vehicle model | Year | Chassis | Engine | Displacement |
|---------|--------------------------------|------|---------|--------|---------------|
| Hyundai | Sonata hybrid(YF HEV US)-U. S. | 2013 | GENERAL | | G 2.4 HEV |
| Hyundai | Sonata hybrid(YF HEV) | 2015 | USA | | G 2.4 HEV |
| Hyundai | Sonata hybrid(YF HEV) | 2014 | USA | | G 2.4 HEV |
| Hyundai | Sonata hybrid(YF HEV) | 2013 | USA | | G 2.4 HEV |
| Hyundai | Sonata hybrid(YF HEV) | 2012 | USA | | G 2.4 HEV |
| Hyundai | Sonata hybrid(YF HEV) | 2011 | USA | | G 2.4 HEV |
| Hyundai | Grandeur HEV(HG HEV) | 2015 | KOREA | | G 2.4 HEV |
| Hyundai | Grandeur HEV(HG HEV) | 2014 | KOREA | | G 2.4 HEV |
| Hyundai | SonataHEV(YF HEV) | 2015 | KOREA | | G 2.0 HEV |
| Hyundai | SonataHEV(YF HEV) | 2014 | KOREA | | G 2.0 HEV |
| Hyundai | SonataHEV(YF HEV) | 2013 | KOREA | | G 2.0 HEV |
| Hyundai | SonataHEV(YF HEV) | 2012 | KOREA | | G 2.0 HEV |
| Hyundai | SonataHEV(YF HEV) | 2011 | KOREA | | G 2.0 HEV |
| Hyundai | Sonata Hybrid(LF HEV) | 2016 | USA | | G 2.0 HEV |
| Hyundai | Sonata PHEV(LF PHEV) | 2016 | USA | | G 2.0 PHEV |
| Hyundai | Grandeur HEV(HG HEV) | 2016 | KOREA | | G 2.4 HEV |
| Hyundai | IONIQ Hybrid(AE HEV) | 2017 | KOREA | | G 1.6 GDI HEV |
| Hyundai | IONIQ Hybrid(AE HEV) | 2016 | KOREA | | G 1.6 GDI HEV |
| Hyundai | Sonata Hybrid(LF HEV) | 2016 | KOREA | | G 2.0 HEV |
| Hyundai | Sonata Hybrid(LF HEV) | 2015 | KOREA | | G 2.0 HEV |
| Hyundai | Sonata PHEV(LF PHEV) | 2016 | KOREA | | G 2.0 PHEV |
| Hyundai | Sonata Hybrid(LF HEV) | 2016 | GENERAL | | G 2.0 HEV |
| Hyundai | Sonata Hybrid(LF HEV) | 2015 | GENERAL | | G 2.0 HEV |
| Hyundai | Sonata Hybrid(LF HEV)-U. S. | 2016 | GENERAL | | G 2.0 HEV |

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|---------|-----------------------------------|------|---------|--|----------------|
| Hyundai | Sonata hybrid(YF HEV) | 2015 | GENERAL | | G 2.4 HEV |
| Hyundai | Sonata hybrid(YF HEV) | 2014 | GENERAL | | G 2.4 HEV |
| Hyundai | Sonata Hybrid(YF HEV)- U. S. | 2014 | GENERAL | | G 2.4 HEV |
| Hyundai | Sonata Hybrid(YF HEV)- U. S. | 2013 | GENERAL | | G 2.4 HEV |
| Hyundai | IONIQ Electric(AE EV) | 2017 | GENERAL | | 88KW |
| Hyundai | IONIQ Hybrid(AE HEV) | 2017 | GENERAL | | G 1.6 GDI HEV |
| Hyundai | IONIQ Hybrid(AE HEV) | 2018 | GENERAL | | G 1.6 GDI HEV |
| Hyundai | IONIQ PHEV(AE PHEV) | 2017 | GENERAL | | G 1.6 GDI PHEV |
| Hyundai | Sonata Hybrid(LF HEV) | 2018 | GENERAL | | G 2.0 HEV |
| Hyundai | IONIQ Electric(AE EV) | 2017 | USA | | 88KW |
| Hyundai | IONIQ Hybrid(AE HEV) | 2018 | USA | | G 1.6 GDI HEV |
| Hyundai | IONIQ Plug-in Hybrid(AE PHEV) | 2018 | USA | | G 1.6 GDI HEV |
| Hyundai | Sonata Hybrid(LF HEV) | 2016 | USA | | G 2.0 HEV |
| Hyundai | Sonata Plug-in Hybrid(LF PHEV) | 2016 | USA | | G 2.0 PHEV |
| Hyundai | Grandeur Hybrid(HG HEV) | 2014 | KOREA | | G 2.4 HEV |
| Hyundai | Grandeur Hybrid(HG HEV) | 2015 | KOREA | | G 2.4 HEV |
| Hyundai | Grandeur Hybrid(HG HEV) | 2016 | KOREA | | G 2.4 HEV |
| Hyundai | Grandeur Hybrid(HG HEV) | 2017 | KOREA | | G 2.4 HEV |
| Hyundai | Grandeur hybrid(IG HEV) | 2018 | KOREA | | G 2.4 MPI HEV |
| Hyundai | IONIQ Electric(AE EV) | 2017 | KOREA | | 88KW |
| Hyundai | IONIQ PHEV(AE PHEV) | 2017 | KOREA | | G 1.6 GDI PHEV |
| Hyundai | Sonata Hybrid(LF HEV) | 2015 | KOREA | | G 2.0 HEV |
| Hyundai | Sonata Hybrid(LF HEV) | 2018 | KOREA | | G 2.0 GDI HEV |
| Hyundai | Sonata Plug-in Hybrid(LF PHEV) | 2018 | KOREA | | G 2.0 GDI PHEV |

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|---------|-----------------------------------|------|---------|--|----------------|
| Hyundai | IONIQ Hybrid(AE HEV) | 2019 | GENERAL | | G 1.6 GDI HEV |
| Hyundai | IONIQ Hybrid(AE HEV) | 2020 | GENERAL | | G 1.6 GDI HEV |
| Hyundai | IONIQ PHEV(AE PHEV) | 2019 | GENERAL | | G 1.6 GDI PHEV |
| Hyundai | IONIQ PHEV(AE PHEV) | 2020 | GENERAL | | G 1.6 GDI PHEV |
| Hyundai | KONA hybrid(OS HEV) | 2020 | GENERAL | | G 1.6 GDI HEV |
| Hyundai | Sonata Hybrid(LF HEV) | 2019 | GENERAL | | G 2.0 HEV |
| Hyundai | Sonata Hybrid(LF HEV) | 2020 | GENERAL | | G 2.0 HEV |
| Hyundai | Sonata Hybrid(LF HEV)- U. S. | 2015 | GENERAL | | G 2.0 HEV |
| Hyundai | Sonata Hybrid(LF HEV)- U. S. | 2017 | GENERAL | | G 2.0 HEV |
| Hyundai | Sonata Hybrid(LF HEV)- U. S. | 2018 | GENERAL | | G 2.0 HEV |
| Hyundai | IONIQ Hybrid(AE HEV) | 2019 | USA | | G 1.6 GDI HEV |
| Hyundai | IONIQ Hybrid(AE HEV) | 2020 | USA | | G 1.6 GDI HEV |
| Hyundai | Sonata Hybrid(LF HEV) | 2018 | USA | | G 2.0 HEV |
| Hyundai | Sonata Hybrid(LF HEV) | 2019 | USA | | G 2.0 HEV |
| Hyundai | Sonata Plug-in Hybrid(LF PHEV) | 2018 | USA | | G 2.0 PHEV |
| Hyundai | Sonata Plug-in Hybrid(LF PHEV) | 2019 | USA | | G 2.0 PHEV |
| Hyundai | Grandeur hybrid(IG HEV) | 2019 | KOREA | | G 2.4 MPI HEV |
| Hyundai | Grandeur hybrid(IG HEV) | 2020 | KOREA | | G 2.4 MPI HEV |
| Hyundai | IONIQ Electric(AE EV) | 2019 | KOREA | | 88KW |
| Hyundai | IONIQ Hybrid(AE HEV) | 2019 | KOREA | | G 1.6 GDI HEV |
| Hyundai | IONIQ Hybrid(AE HEV) | 2020 | KOREA | | G 1.6 GDI HEV |
| Hyundai | IONIQ PHEV(AE PHEV) | 2019 | KOREA | | G 1.6 GDI PHEV |
| Hyundai | IONIQ PHEV(AE PHEV) | 2020 | KOREA | | G 1.6 GDI PHEV |
| Hyundai | KONA hybrid(OS HEV) | 2020 | KOREA | | G 1.6 GDI HEV |
| Hyundai | Sonata Hybrid(LF HEV) | 2019 | KOREA | | G 2.0 GDI HEV |
| Hyundai | Sonata Plug-in Hybrid(LF PHEV) | 2019 | KOREA | | G 2.0 GDI PHEV |

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|-----|-----------------------|------|---------|--|--------------------|
| Kia | K5 HEV(TF HEV) | 2015 | others | | G 2.0 MPI-NU |
| Kia | K5 HEV(TF HEV) | 2014 | others | | G 2.0 MPI-NU |
| Kia | Optima HEV(TF HEV) | 2015 | GENERAL | | G 2.0 HEV |
| Kia | Optima HEV(TF HEV) | 2014 | GENERAL | | G 2.0 HEV |
| Kia | Optima HEV(TF HEV) | 2013 | GENERAL | | G 2.0 HEV |
| Kia | Soul EV(PS EV) | 2015 | GENERAL | | 80KW |
| Kia | Optima hybrid(TF HEV) | 2015 | USA | | G 2.4 THETA II HEV |
| Kia | Optima hybrid(TF HEV) | 2014 | USA | | G 2.4 THETA II HEV |
| Kia | Optima hybrid(TF HEV) | 2013 | USA | | G 2.4 HEV |
| Kia | Optima hybrid(TF HEV) | 2012 | USA | | G 2.4 HEV |
| Kia | Optima hybrid(TF HEV) | 2011 | USA | | G 2.4 HEV |
| Kia | K5 HEV(TF HEV) | 2014 | KOREA | | G 2.0 HEV |
| Kia | K5 HEV(TF HEV) | 2013 | KOREA | | G 2.0 HEV |
| Kia | K5 HEV(TF HEV) | 2012 | KOREA | | G 2.0 HEV |
| Kia | K7 HEV(VG HEV) | 2014 | KOREA | | G 2.4 HEV |
| Kia | SoulEV(PS EV) | 2015 | KOREA | | 80KW |
| Kia | SoulEV(PS EV) | 2014 | KOREA | | 80KW |
| Kia | Optima hybrid(TF HEV) | 2016 | USA | | G 2.4 THETA II HEV |
| Kia | Soul EV(PS EV) | 2015 | USA | | 80KW |
| Kia | K5 HEV(TF HEV) | 2015 | KOREA | | G 2.0 HEV |
| Kia | K7 HEV(VG HEV) | 2016 | KOREA | | G 2.4 HEV |
| Kia | K7 HEV(VG HEV) | 2015 | KOREA | | G 2.4 HEV |
| Kia | Niro(DE HEV) | 2017 | KOREA | | G 1.6 GDI KAPPA |
| Kia | SoulEV(PS EV) | 2016 | KOREA | | 80KW |
| Kia | Soul EV(PS EV) | 2016 | GENERAL | | 80KW |
| Kia | Niro(DE HEV) | 2017 | GENERAL | | G 1.6 GDI KAPPA |
| Kia | Niro(DE HEV) | 2018 | GENERAL | | G 1.6 GDI KAPPA |
| Kia | Niro(DE PHEV) | 2018 | GENERAL | | G 1.6 GDI KAPPA |
| Kia | Niro(DE HEV) | 2017 | USA | | G 1.6 GDI KAPPA |
| Kia | Niro(DE PHEV) | 2018 | USA | | G 1.6 GDI KAPPA |

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|-----|--------------------------|------|---------|--|----------------------|
| Kia | K7 HEV(YG HEV) | 2017 | KOREA | | G 2.4 MPI THETA II |
| Kia | K7 HEV(YG HEV) | 2018 | KOREA | | G 2.4 MPI THETA II |
| Kia | Niro(DE HEV) | 2018 | KOREA | | G 1.6 GDI KAPPA |
| Kia | Niro(DE PHEV) | 2017 | KOREA | | G 1.6 GDI KAPPA |
| Kia | Niro(DE PHEV) | 2018 | KOREA | | G 1.6 GDI KAPPA |
| Kia | Cee'd (CD PHEV) | 2020 | GENERAL | | G 1.6 GDI KAPPA PHEV |
| Kia | Niro(DE HEV) | 2019 | GENERAL | | G 1.6 GDI KAPPA |
| Kia | Niro(DE HEV) | 2020 | GENERAL | | G 1.6 GDI KAPPA |
| Kia | Niro(DE HEV)-For Mexico | 2017 | GENERAL | | G 1.6 GDI KAPPA |
| Kia | Niro(DE HEV)-For Mexico | 2018 | GENERAL | | G 1.6 GDI KAPPA |
| Kia | Niro(DE HEV)-For Mexico | 2019 | GENERAL | | G 1.6 GDI KAPPA |
| Kia | Niro(DE PHEV) | 2019 | GENERAL | | G 1.6 GDI KAPPA |
| Kia | Niro(DE PHEV) | 2020 | GENERAL | | G 1.6 GDI KAPPA |
| Kia | Niro(DE PHEV)-For Mexico | 2017 | GENERAL | | G 1.6 GDI KAPPA |
| Kia | Niro(DE PHEV)-For Mexico | 2018 | GENERAL | | G 1.6 GDI KAPPA |
| Kia | Niro(DE PHEV)-For Mexico | 2019 | GENERAL | | G 1.6 GDI KAPPA |
| Kia | XCeed PHEV(CD CUV PHEV) | 2020 | GENERAL | | G 1.6 GDI KAPPA PHEV |
| Kia | Niro(DE HEV) | 2019 | USA | | G 1.6 GDI KAPPA |
| Kia | Niro(DE HEV) | 2020 | USA | | G 1.6 GDI KAPPA |
| Kia | Niro(DE PHEV) | 2019 | USA | | G 1.6 GDI KAPPA |
| Kia | Niro(DE PHEV) | 2020 | USA | | G 1.6 GDI KAPPA |
| Kia | K7 HEV(YG HEV) | 2019 | KOREA | | G 2.4 MPI THETA II |

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|-----|-----------------|-------|---|--|--------------------|
| Kia | K7 HEV (YG HEV) | 2020 | KOREA | | G 2.4 MPI THETA II |
| Kia | Niro(DE HEV) | 2019 | KOREA | | G 1.6 GDI KAPPA |
| Kia | Niro(DE HEV) | 2020 | KOREA | | G 1.6 GDI KAPPA |
| Kia | Niro(DE PHEV) | 2019 | KOREA | | G 1.6 GDI KAPPA |
| Kia | Niro(DE PHEV) | 2020 | KOREA | | G 1.6 GDI KAPPA |
| BMW | 1' | 2005- | E81/E82/E87/E88/F 20/F21/F40/F52 | | |
| BMW | 2' | 2014- | F22/F23/F44/F45/F 46/F87 | | |
| BMW | 3' | 2006- | E90/E91/E92/E93/F 30/F31/F34/F35/F8 0/G20/G21/G28 | | |
| BMW | 4' | 2013- | F32/F33/F36/F82/F 83/G22 | | |
| BMW | 5' | 2004- | E60/E61/F07/F10/F 11/F18/F90/G30/G3 1/G38 | | |
| BMW | 6' | 2006- | E63/E64/F06/F12/F 13/G32 | | |
| BMW | 7' | 2004- | E65/E66/E67/E68/F 01/F02/F03/F04/G1 1/G12 | | |
| BMW | 8' | 2018- | F91/F92/F93/G14/G 15/G16 | | |
| BMW | I' | 2013- | I01/I12/I15 | | |
| BMW | X' | 2006- | E70/E71/E72/E84/F 15/F16/F25/F26/F3 9/F48/F49/F85/F86 /F95/F96/F97/F98/ G01/G02/G05/G06/G 07/G08 | | |

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|------|------|-------|---|--|--|
| BMW | Z' | 2009- | E89/G29 | | |
| MINI | MINI | 2008- | F54/F55/F56/F57/F60/R55/R56/R57/R58/R59/R60/R61 | | |

XTOOL