

RELEASE NOTES FOR MRC DATABASE VERSION T5.0 (TTS REAL TIMES) MAY 2019

INTRODUCTION

MRC Malaysia has provides repair times database for use in estimating the time required to remove and replace vehicle panels and parts. It also incorporates the repair methodology to meet manufacturers' specifications. There are two types of repair times:

1. Composite Times which is repair times categorised based on vehicle types and sizes, whilst.
2. Real Times which is repair times based on specific makes and models.

Prior to 2018, only composite times have been used in claim estimating process. Subsequently, we have introduced a specific real time to further improve by matching the actual measurements, parts, components and methods. Specific real times are produced by analysing panel structures and methods review.

Initially, in partnership of Thatcham Research, UK, MRC Malaysia has acquire a specific real time to accommodate similar vehicle model in Malaysia.

As at now, MRC Malaysia is collaborating with Proton Edar to build localise specific real time for Proton models. We have successfully builds 9 Proton models for specific real time. Later on, we will introduce another 3 Proton models (Ertiga, New Perdana & X70) which currently in progress. Looking forward, we are approaching other vehicle manufacturer to collaborate with MRC Malaysia to build locally specific real time.

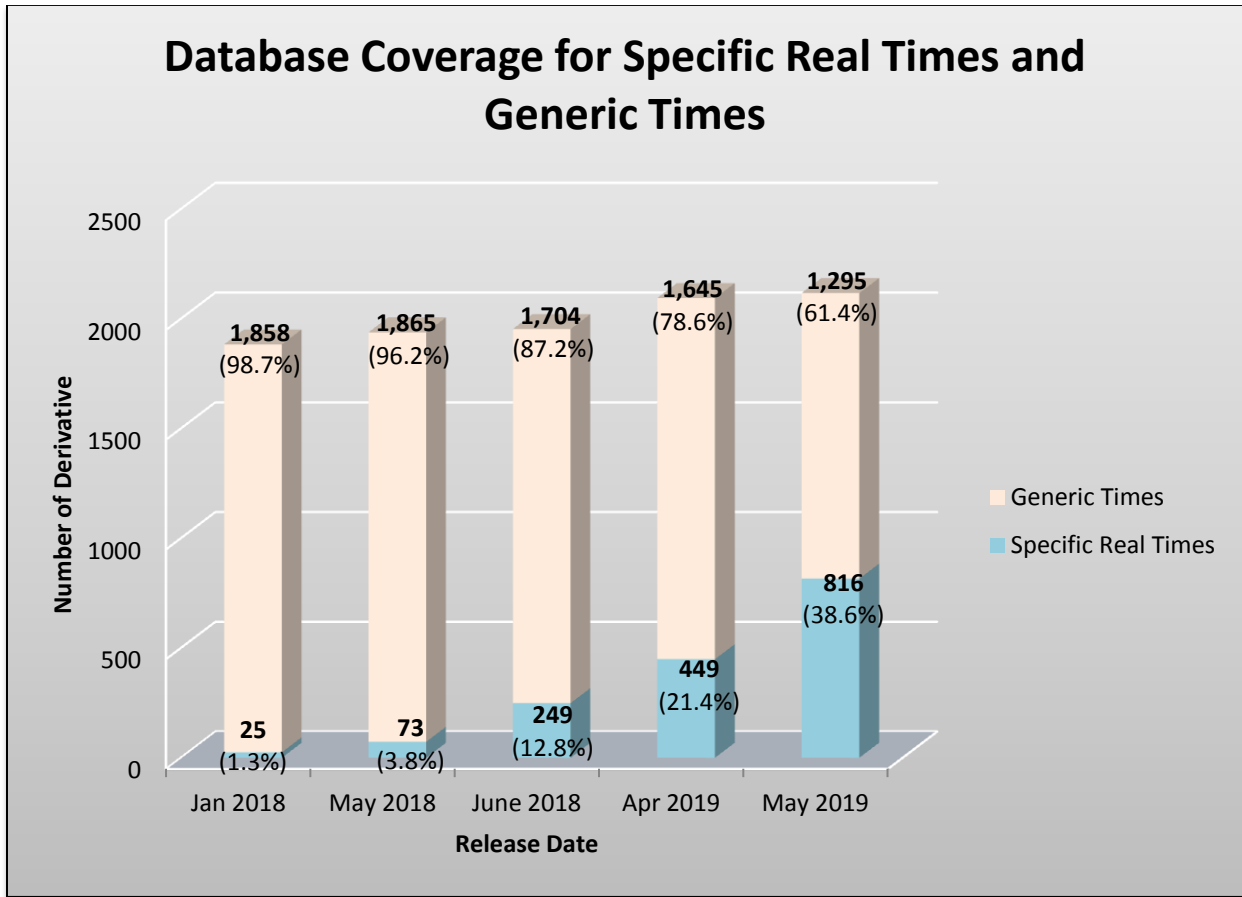
BENEFITS

Although composite times is generally acceptable and fairly accurate, there are some instances that the actual repair time values deviate slightly from the grouped average due to some car unique design or parts component. These discrepancies can be corrected in specific real time.

The repair times for every task and its sub-operation will be transparent and visible in real times. It would be beneficial for future audits and can also be used as a reference for resolving any dispute on claim estimates.

Motor insurance / takaful operator and vehicle repair industry can confidently produce accurate vehicle repair estimates using detailed vehicle repair information specifically for the local market. This will help improve transparency as well as provide better quality repair estimates guided by standard maintenance repair work based on actual manufacturer vehicle models.

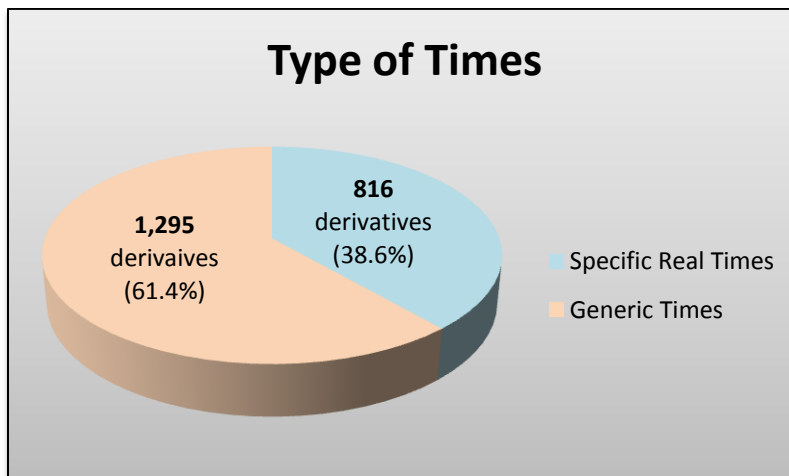
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In 2018, we had released 3 specific real time database versions on January (25 derivatives), May (48 derivatives) and June (176 derivatives) respectively. Total of 249 derivatives has been successfully released to the industry.

For 2019, 2 specific real time database versions has been released on April (200 derivatives) and May (342 derivatives) respectively. As at now, total of 816 derivatives has been successfully released to the industry.

MRC Coverage in TTS Specific Real Times. Based on MRC vehicle derivatives (2,111 derivatives) as at May 10, 2019.



RELEASE NOTES FOR MRC DATABASE VERSION T5.0 (TTS REAL TIMES)

MAY 2019

1.0 NEW VEHICLES IN DETAIL:

New TTS projects have been carried out to replace previously used Thatcham Composite Time (Generic) to new addition of models specific TTS Real Time. The vehicles make and model details are as follow:

This batch consists of 348 derivatives as follow:-

| No | TPS Project Code | Make | Model | Derivatives | Engine Size | Current TTS Project Code | New TTS Project Code |
|----|------------------|------|------------------|---------------------|-------------|--------------------------|----------------------|
| 1 | AD002 | Audi | A4 1995 On | (8D2) | 1.8 | TC010 | AD002 |
| 2 | AD003 | Audi | A4 1995 On | T (8D2) | 1.8 | TC010 | AD003 |
| 3 | AD024 | Audi | A5 2009 On | TFSI Quattro 211Bhp | 2.0 | TC033 | AD040 |
| 4 | AD040 | Audi | A5 2009 On | TFSI Quattro 211Bhp | 2.0 | TC033 | AD040 |
| 5 | AD005 | Audi | A6 1995 On | (4A2-088) | 2.0 | TC010 | AD005 |
| 6 | AD006 | Audi | A6 1995 On | (4A2-0M8) | 2.6 | TC010 | AD007 |
| 7 | AD007 | Audi | A6 1995 On | (4A2-0R8) | 2.8 | TC010 | AD007 |
| 8 | AD043 | Audi | Q3 2012 On | TFSI Quattro 170Bhp | 2.0 | TC025 | AD044 |
| 9 | AD044 | Audi | Q3 2012 On | TFSI 150Bhp | 1.4 | TC025 | AD044 |
| 10 | AD045 | Audi | Q3 2012 On | TFSI Quattro 180Bhp | 2.0 | TC025 | AD044 |
| 11 | AD022 | Audi | Q5 2009 On | TFSI 211Bhp | 2.0 | TC031 | AD046 |
| 12 | AD046 | Audi | Q5 2009 On | TFSI Quattro 225Bhp | 2.0 | TC031 | AD046 |
| 13 | BM035 | BMW | 1-Series 2004 On | 120i (E87) 148Bhp | 2.0 | TC022 | BM035 |
| 14 | BM036 | BMW | 1-Series 2004 On | 130i (E87) 261Bhp | 3.0 | TC022 | BM077 |

**RELEASE NOTES FOR MRC DATABASE VERSION T5.0 (TTS REAL TIMES)
MAY 2019**

| No | TPS Project Code | Make | Model | Derivatives | Engine Size | Current TTS Project Code | New TTS Project Code |
|----|------------------|-----------|------------------|-------------------------------|-------------|--------------------------|----------------------|
| 15 | BM075 | BMW | 1-Series 2004 On | 116i (E87) 113Bhp | 1.6 | TC022 | BM075 |
| 16 | BM076 | BMW | 1-Series 2004 On | 118i (E87) 134Bhp | 2.0 | TC022 | BM076 |
| 17 | BM077 | BMW | 1-Series 2004 On | 130i (E87) 261Bhp | 3.0 | TC022 | BM077 |
| 18 | BM104 | BMW | 1-Series 2013 On | (F20) 116i 136Bhp | 1.6 | TC022 | BM111 |
| 19 | BM105 | BMW | 1-Series 2013 On | (F20) 118i Urban 170Bhp | 1.6 | TC022 | BM111 |
| 20 | BM106 | BMW | 1-Series 2013 On | 118i 170Bhp | 1.6 | TC022 | BM111 |
| 21 | BM107 | BMW | 1-Series 2013 On | 125i 218Bhp | 2.0 | TC022 | BM111 |
| 22 | BM108 | BMW | 1-Series 2013 On | 125i M 218Bhp | 2.0 | TC022 | BM111 |
| 23 | BM110 | BMW | 1-Series 2013 On | 120i M Sport (F20) 177Bhp | 1.6 | TC022 | BM111 |
| 24 | BM111 | BMW | 1-Series 2013 On | 118i Sport (F20) 136Bhp | 1.5 | TC022 | BM111 |
| 25 | BM142 | BMW | 2-Series 2014 On | 220i Coupe (F22) 184Bhp | 2.0 | TC033 | BM148 |
| 26 | BM143 | BMW | 2-Series 2014 On | 220i Coupe Sport (F22) 184Bhp | 2.0 | TC033 | BM148 |
| 27 | BM147 | BMW | 2-Series 2014 On | M2 Coupe DCT (F87) 370Bhp | 3.0 | TC033 | BM148 |
| 28 | BM148 | BMW | 2-Series 2014 On | M2 Coupe LCI DCT (F87) 370Bhp | 3.0 | TC033 | BM148 |
| 29 | BM122 | BMW | X1 2015 On | sDrive20i (F48) 192Bhp | 2.0 | TC025 | BM122 |
| 30 | CV025 | Chevrolet | Captiva 2009 On | AWD 137Bhp | 2.4 | TC031 | CV031 |

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MAY 2019**

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|----|------------------|-----------|------------------|------------------------------|-------------|--------------------------|----------------------|
| 31 | CV026 | Chevrolet | Captiva 2009 On | FWD 137Bhp | 2.4 | TC031 | CV031 |
| 32 | CV029 | Chevrolet | Captiva 2009 On | LT 161Bhp | 2.0 | TC031 | CV031 |
| 33 | CV030 | Chevrolet | Captiva 2009 On | LTZ 161Bhp | 2.0 | TC031 | CV031 |
| 34 | CV031 | Chevrolet | Captiva 2009 On | AWD 165Bhp | 2.4 | TC031 | CV031 |
| 35 | CV018 | Chevrolet | Cruze 2010 On | LT 140Bhp | 1.8 | TC020 | CV019 |
| 36 | CV019 | Chevrolet | Cruze 2010 On | LT 140Bhp | 1.8 | TC020 | CV019 |
| 37 | CV010 | Chevrolet | Nabira 2003 On | 125Bhp | 1.8 | TC032 | CV010 |
| 38 | CV011 | Chevrolet | Nabira 2003 On | 147Bhp | 2.2 | TC032 | CV011 |
| 39 | CT009 | Citroen | Berlingo 2001 On | 75Bhp | 1.4 | TC021 | CT010 |
| 40 | CT010 | Citroen | Berlingo 2001 On | Multispace 75Bhp | 1.4 | TC021 | CT010 |
| 41 | CT001 | Citroen | C2 2005 On | 109Bhp | 1.6 | TC017 | CT001 |
| 42 | CT002 | Citroen | C3 2003 On | 109Bhp | 1.6 | TC022 | CT002 |
| 43 | CT003 | Citroen | C4 2005 On | 109Bhp | 1.6 | TC019 | CT003 |
| 44 | CT004 | Citroen | C4 2005 On | 109Bhp | 1.6 | TC022 | CT004 |
| 45 | CT018 | Citroen | C4 2014 On | Grand Picasso BlueHDi 148Bhp | 2.0 | TC032 | CT019 |
| 46 | CT019 | Citroen | C4 2014 On | Grand Picasso THP163 160Bhp | 1.6 | TC032 | CT019 |

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MAY 2019**

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|----|------------------|---------|-----------------|----------------|-------------|--------------------------|----------------------|
| 47 | CT006 | Citroen | C5 2001 On | 138Bhp | 2.0 | TC022 | CT006 |
| 48 | CT007 | Citroen | C5 2001 On | 143Bhp | 2.0 | TC022 | CT006 |
| 49 | CT015 | Citroen | C8 2003 On | 138Bhp | 2.0 | TC047 | CT015 |
| 50 | CT012 | Citroen | Evasion 1997 On | SX 148Bhp | 2.0 | TC013 | CT012 |
| 51 | CT013 | Citroen | Evasion 1997 On | SX 148Bhp | 2.0 | TC013 | CT013 |
| 52 | CT011 | Citroen | Xsara 1999 On | Picasso 137Bhp | 2.0 | TC023 | CT011 |
| 53 | FD091 | Ford | Kuga 2013 On | GTDI 178Bhp | 1.6 | TC025 | FD091 |
| 54 | HD095 | Honda | CR-Z 2011 On | 122Bhp | 1.5 | TC019 | HD098 |
| 55 | HD096 | Honda | CR-Z 2011 On | 122Bhp | 1.5 | TC019 | HD098 |
| 56 | HD097 | Honda | CR-Z 2011 On | 133Bhp | 1.5 | TC019 | HD098 |
| 57 | HD098 | Honda | CR-Z 2011 On | 134Bhp | 1.5 | TC019 | HD098 |
| 58 | HY031 | Hyundai | Accent 2003 On | RX-S5 90Bhp | 1.5 | TC022 | HY036 |
| 59 | HY032 | Hyundai | Accent 2003 On | RX-S5 90Bhp | 1.5 | TC022 | HY036 |
| 60 | HY035 | Hyundai | Accent 2003 On | GLS 90Bhp | 1.5 | TC022 | HY036 |
| 61 | HY036 | Hyundai | Accent 2003 On | GLS 90Bhp | 1.5 | TC022 | HY036 |
| 62 | HY001 | Hyundai | Coupe 1996 On | GL 134Bhp | 1.8 | TC004 | HY001 |

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MAY 2019**

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|----|------------------|---------------|---------------------|--------------------------------|-------------|--------------------------|----------------------|
| 63 | HY002 | Hyundai | Coupe 1996 On | GL 134Bhp | 1.8 | TC004 | HY003 |
| 64 | HY003 | Hyundai | Coupe 1996 On | GLS 136Bhp | 2.0 | TC004 | HY003 |
| 65 | HY004 | Hyundai | Coupe 2000 On | FX 136Bhp | 2.0 | TC026 | HY004 |
| 66 | KI041 | Kia | Picanto 2013 On | 86Bhp | 1.2 | TC022 | KI042 |
| 67 | KI042 | Kia | Picanto 2013 On | 86Bhp | 1.2 | TC022 | KI042 |
| 68 | KI064 | Kia | Rio 2017 On | 1.4 MPI 99Bhp | 1.4 | TC022 | KI064 |
| 69 | LR012 | Land Rover | Discovery 2 1999 On | 136Bhp | 2.5 | TC015 | LR012 |
| 70 | LR013 | Land Rover | Discovery 2 1999 On | 136Bhp | 2.5 | TC015 | LR013 |
| 71 | LR014 | Land Rover | Discovery 2 1999 On | 182Bhp | 4.0 | TC015 | LR014 |
| 72 | LR015 | Land Rover | Discovery 2 1999 On | 217Bhp | 4.6 | TC015 | LR015 |
| 73 | LR001 | Land Rover | Freelander 2004 On | Td4 120Bhp | 2.0 | TC024 | LR001 |
| 74 | LR002 | Land Rover | Freelander 2004 On | Td4 120Bhp | 2.0 | TC031 | LR002 |
| 75 | LR003 | Land Rover | Freelander 2004 On | V6 HSE 175Bhp | 2.5 | TC031 | LR003 |
| 76 | LE001 | Lexus | CT200h 2011 On | Standard (ZWA10R-AHXBB) 134Bhp | 1.8 | TC029 | LE002 |
| 77 | LE002 | Lexus | CT200h 2011 On | Luxury (ZWA10R-AHXBB) 134Bhp | 1.8 | TC029 | LE002 |
| 78 | MB005 | Mercedes-Benz | A-Class 2005 On | A170 Avantgarde (W169) 116Bhp | 1.7 | TC022 | MB006 |

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|----|------------------|---------------|-------------------|---|-------------|--------------------------|----------------------|
| 79 | MB006 | Mercedes-Benz | A-Class 2005 On | A170 Avantgarde High Spec (W169) 116Bhp | 1.7 | TC022 | MB006 |
| 80 | MB586 | Mercedes-Benz | B-Class 2012 On | B200 (W246) 156Bhp | 1.6 | TC023 | MB590 |
| 81 | MB590 | Mercedes-Benz | B-Class 2012 On | B200 Sport Tourer (W246) 156Bhp | 1.6 | TC023 | MB590 |
| 82 | MB584 | Mercedes-Benz | CLA-Class 2014 On | CLA 200 154Bhp | 1.6 | TC027 | MB584 |
| 83 | MB585 | Mercedes-Benz | CLA-Class 2014 On | CLA 45 AMG 360Bhp | 2.0 | TC027 | MB584 |
| 84 | MB007 | Mercedes-Benz | E-Class 1996 On | E200K Elegance (W211) 161Bhp | 1.8 | TC027 | MB2042 |
| 85 | MB008 | Mercedes-Benz | E-Class 1996 On | E200K Elegance (W211) 181Bhp | 1.8 | TC027 | MB2042 |
| 86 | MB009 | Mercedes-Benz | E-Class 1996 On | E200K Avantgarde (W211) 161Bhp | 1.8 | TC027 | MB2042 |
| 87 | MB010 | Mercedes-Benz | E-Class 1996 On | E200K Avantgarde (W211) 181Bhp | 1.8 | TC027 | MB2042 |
| 88 | MB011 | Mercedes-Benz | E-Class 1996 On | E240 Elegance (W211) 205Bhp | 2.6 | TC027 | MB127 |
| 89 | MB012 | Mercedes-Benz | E-Class 1996 On | E240 Avantgarde (W211) 205Bhp | 2.6 | TC027 | MB134 |
| 90 | MB013 | Mercedes-Benz | E-Class 1996 On | E280 Avantgarde (W211) 228Bhp | 3.0 | TC027 | MB135 |
| 91 | MB120 | Mercedes-Benz | E-Class 1996 On | E200 Classic (W210) 136Bhp | 2.0 | TC027 | MB2042 |
| 92 | MB121 | Mercedes-Benz | E-Class 1996 On | E240 Classic (W210) 170Bhp | 2.4 | TC027 | MB121 |
| 93 | MB122 | Mercedes-Benz | E-Class 1996 On | E280 Classic (W210) 204Bhp | 2.8 | TC027 | MB122 |
| 94 | MB123 | Mercedes-Benz | E-Class 1996 On | E320 Classic (W210) 224Bhp | 3.2 | TC027 | MB123 |

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|-----|------------------|---------------|-----------------|-------------------------------|-------------|--------------------------|----------------------|
| 95 | MB124 | Mercedes-Benz | E-Class 1996 On | E250 Classic (W210) 111Bhp | 2.5 | TC027 | MB124 |
| 96 | MB125 | Mercedes-Benz | E-Class 1996 On | E300 Classic (W210) 177Bhp | 3.0 | TC027 | MB125 |
| 97 | MB126 | Mercedes-Benz | E-Class 1996 On | E200 Elegance (W210) 136Bhp | 2.0 | TC027 | MB2042 |
| 98 | MB127 | Mercedes-Benz | E-Class 1996 On | E240 Elegance (W210) 170Bhp | 2.4 | TC027 | MB127 |
| 99 | MB128 | Mercedes-Benz | E-Class 1996 On | E280 Elegance (W210) 204Bhp | 2.8 | TC027 | MB128 |
| 100 | MB129 | Mercedes-Benz | E-Class 1996 On | E320 Elegance (W210) 224Bhp | 3.2 | TC027 | MB129 |
| 101 | MB130 | Mercedes-Benz | E-Class 1996 On | E430 Elegance (W210) 279Bhp | 4.3 | TC027 | MB130 |
| 102 | MB131 | Mercedes-Benz | E-Class 1996 On | E250 Elegance (W210) 111Bhp | 2.5 | TC027 | MB131 |
| 103 | MB132 | Mercedes-Benz | E-Class 1996 On | E300 Elegance (W210) 177Bhp | 3.0 | TC027 | MB132 |
| 104 | MB133 | Mercedes-Benz | E-Class 1996 On | E200 Avantgarde (W210) 136Bhp | 2.0 | TC027 | MB2042 |
| 105 | MB134 | Mercedes-Benz | E-Class 1996 On | E240 Avantgarde (W210) 170Bhp | 2.4 | TC027 | MB134 |
| 106 | MB135 | Mercedes-Benz | E-Class 1996 On | E280 Avantgarde (W210) 204Bhp | 2.8 | TC027 | MB135 |
| 107 | MB136 | Mercedes-Benz | E-Class 1996 On | E320 Avantgarde (W210) 224Bhp | 3.2 | TC027 | MB136 |
| 108 | MB137 | Mercedes-Benz | E-Class 1996 On | E430 Avantgarde (W210) 279Bhp | 4.3 | TC027 | MB137 |
| 109 | MB138 | Mercedes-Benz | E-Class 1996 On | E250 Avantgarde (W210) 111Bhp | 2.5 | TC027 | MB138 |
| 110 | MB139 | Mercedes-Benz | E-Class 1996 On | E300 Avantgarde W210) 177Bhp | 3.0 | TC027 | MB139 |

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MAY 2019**

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|-----|------------------|---------------|-----------------|-----------------------------------|-------------|--------------------------|----------------------|
| 111 | MB2037 | Mercedes-Benz | E-Class 1996 On | E200K Classic (W210) 163Bhp | 1.8 | TC027 | MB2042 |
| 112 | MB2038 | Mercedes-Benz | E-Class 1996 On | E200K Classic (W210) 163Bhp | 1.8 | TC027 | MB2042 |
| 113 | MB2039 | Mercedes-Benz | E-Class 1996 On | E200K Elegance (W210) 163Bhp | 1.8 | TC027 | MB2042 |
| 114 | MB2040 | Mercedes-Benz | E-Class 1996 On | E200K Elegance (W210) 163Bhp | 1.8 | TC027 | MB2042 |
| 115 | MB2041 | Mercedes-Benz | E-Class 1996 On | E200K Avantgarde (W210) 163Bhp | 1.8 | TC027 | MB2042 |
| 116 | MB2042 | Mercedes-Benz | E-Class 1996 On | E200K Avantgarde (W210) 163Bhp | 1.8 | TC027 | MB2042 |
| 117 | MB2050 | Mercedes-Benz | E-Class 1996 On | E220 CDI Classic (W210) 151Bhp | 2.2 | TC027 | MB2051 |
| 118 | MB2051 | Mercedes-Benz | E-Class 1996 On | E220 CDI Classic (W210) 151Bhp | 2.2 | TC027 | MB2051 |
| 119 | MB2052 | Mercedes-Benz | E-Class 1996 On | E220 CDI Elegance (W210) 151Bhp | 2.2 | TC027 | MB2053 |
| 120 | MB2053 | Mercedes-Benz | E-Class 1996 On | E220 CDI Elegance (W210) 151Bhp | 2.2 | TC027 | MB2053 |
| 121 | MB2054 | Mercedes-Benz | E-Class 1996 On | E220 CDI Avantgarde (W210) 151Bhp | 2.2 | TC027 | MB2053 |
| 122 | MB2055 | Mercedes-Benz | E-Class 1996 On | E220 CDI Avantgarde (W210) 151Bhp | 2.2 | TC027 | MB2053 |
| 123 | MN001 | Mini | Cooper 2001 On | i (R50) 114Bhp | 1.6 | TC019 | MN008 |
| 124 | MN002 | Mini | Cooper 2001 On | i (R50) 114Bhp | 1.6 | TC019 | MN008 |
| 125 | MN003 | Mini | Cooper 2001 On | S (R53) 163Bhp | 1.6 | TC019 | MN008 |
| 126 | MN004 | Mini | Cooper 2001 On | (R56) 118Bhp | 1.6 | TC019 | MN008 |

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MAY 2019**

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|-----|------------------|------------|--------------------|------------------------|-------------|--------------------------|----------------------|
| 127 | MN005 | Mini | Cooper 2001 On | S (R56) 173Bhp | 1.6 | TC019 | MN008 |
| 128 | MN007 | Mini | Cooper 2001 On | (F56) 136Bhp | 1.5 | TC019 | MN008 |
| 129 | MN008 | Mini | Cooper 2001 On | S (F56) 192Bhp | 2.0 | TC019 | MN008 |
| 130 | MN016 | Mini | Countryman 2011 On | Cooper (R60) 120Bhp | 1.6 | TC022 | MN019 |
| 131 | MN017 | Mini | Countryman 2011 On | Cooper S (R60) 184Bhp | 1.6 | TC022 | MN019 |
| 132 | MN018 | Mini | Countryman 2011 On | Cooper S (R60) 184Bhp | 1.6 | TC022 | MN019 |
| 133 | MN019 | Mini | Countryman 2011 On | Park Lane (R60) 190Bhp | 1.6 | TC022 | MN019 |
| 134 | MT079 | Mitsubishi | ASX 2010 On | 148Bhp | 2.0 | TC025 | MT101 |
| 135 | MT080 | Mitsubishi | ASX 2010 On | 148Bhp | 2.0 | TC025 | MT101 |
| 136 | MT099 | Mitsubishi | ASX 2010 On | 2WD 148Bhp | 2.0 | TC025 | MT101 |
| 137 | MT100 | Mitsubishi | ASX 2010 On | 4WD 148Bhp | 2.0 | TC025 | MT101 |
| 138 | MT101 | Mitsubishi | ASX 2010 On | 2WD GL 148Bhp | 2.0 | TC025 | MT101 |
| 139 | MT051 | Mitsubishi | Colt 2005 On | 104Bhp | 1.5 | TC022 | MT051 |
| 140 | NS118 | Nissan | Navara 2015 On | E 161Bhp | 2.5 | TC043 | NS122 |
| 141 | NS119 | Nissan | Navara 2015 On | SE 161Bhp | 2.5 | TC043 | NS122 |
| 142 | NS120 | Nissan | Navara 2015 On | SE 161Bhp | 2.5 | TC043 | NS122 |

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|-----|------------------|---------|-----------------|------------------|-------------|--------------------------|----------------------|
| 143 | NS121 | Nissan | Navara 2015 On | V 161Bhp | 2.5 | TC043 | NS122 |
| 144 | NS122 | Nissan | Navara 2015 On | VL 187Bhp | 2.5 | TC043 | NS122 |
| 145 | NS086 | Nissan | NV200 2012 On | 108Bhp | 1.6 | TC041 | NS086 |
| 146 | NS110 | Nissan | X-Trail 2015 On | 2WD (T32) 142Bhp | 2.0 | TC025 | NS111 |
| 147 | NS111 | Nissan | X-Trail 2015 On | 4WD (T32) 169Bhp | 2.5 | TC025 | NS111 |
| 148 | PG051 | Peugeot | 2008 2014 On | PureTech 110Bhp | 1.2 | TC025 | PG033 |
| 149 | PG033 | Peugeot | 2008 2014 On | 120Bhp | 1.6 | TC025 | PG033 |
| 150 | PG001 | Peugeot | 206 2000 On | XR 74Bhp | 1.4 | TC022 | PG002 |
| 151 | PG002 | Peugeot | 206 2000 On | XT 110Bhp | 1.6 | TC022 | PG002 |
| 152 | PG004 | Peugeot | 206 2000 On | GTi 137Bhp | 2.0 | TC019 | PG004 |
| 153 | PG031 | Peugeot | 208 2013 On | 120Bhp | 1.6 | TC019 | PG047 |
| 154 | PG032 | Peugeot | 208 2013 On | 120Bhp | 1.6 | TC022 | PG046 |
| 155 | PG046 | Peugeot | 208 2013 On | PureTech 110Bhp | 1.2 | TC022 | PG046 |
| 156 | PG047 | Peugeot | 208 2013 On | GTi 208Bhp | 1.6 | TC019 | PG047 |
| 157 | PG019 | Peugeot | 3008 2010 On | 156Bhp | 1.6 | TC031 | PG019 |
| 158 | PG036 | Peugeot | 3008 2010 On | 163Bhp | 1.6 | TC031 | PG019 |

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|-----|------------------|---------|--------------|----------------------|-------------|--------------------------|----------------------|
| 159 | PG048 | Peugeot | 3008 2017 On | THP Active 165Bhp | 1.6 | TC031 | PG049 |
| 160 | PG049 | Peugeot | 3008 2017 On | THP Allure 165Bhp | 1.6 | TC031 | PG049 |
| 161 | PG005 | Peugeot | 307 2002 On | XS 110Bhp | 1.6 | TC022 | PG005 |
| 162 | PG006 | Peugeot | 307 2002 On | SW 110Bhp | 1.6 | TC021 | PG006 |
| 163 | PG015 | Peugeot | 308 2008 On | VTi 118Bhp | 1.6 | TC022 | PG035 |
| 164 | PG016 | Peugeot | 308 2008 On | Turbo 138Bhp | 1.6 | TC022 | PG035 |
| 165 | PG018 | Peugeot | 308 2008 On | GT 175Bhp | 1.6 | TC019 | PG018 |
| 166 | PG020 | Peugeot | 308 2008 On | Turbo 154Bhp | 1.6 | TC022 | PG035 |
| 167 | PG034 | Peugeot | 308 2008 On | VTi 118Bhp | 1.6 | TC022 | PG035 |
| 168 | PG035 | Peugeot | 308 2008 On | Turbo 154Bhp | 1.6 | TC022 | PG035 |
| 169 | PG039 | Peugeot | 308 2015 On | THP 150Bhp | 1.6 | TC022 | PG040 |
| 170 | PG040 | Peugeot | 308 2015 On | THP Active 150Bhp | 1.6 | TC022 | PG040 |
| 171 | PG009 | Peugeot | 406 1996 On | ST (Standard) 136Bhp | 2.0 | TC010 | PG011 |
| 172 | PG010 | Peugeot | 406 1996 On | ST (Standard) 136Bhp | 2.0 | TC010 | PG012 |
| 173 | PG011 | Peugeot | 406 1996 On | ST (Deluxe) 136Bhp | 2.0 | TC010 | PG011 |
| 174 | PG012 | Peugeot | 406 1996 On | ST (Deluxe) 136Bhp | 2.0 | TC010 | PG012 |

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MAY 2019**

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|-----|------------------|---------|--------------|-------------------|-------------|--------------------------|----------------------|
| 175 | PG007 | Peugeot | 407 2004 On | 137Bhp | 2.0 | TC027 | PG017 |
| 176 | PG008 | Peugeot | 407 2004 On | Evente 135Bhp | 2.0 | TC028 | PG008 |
| 177 | PG017 | Peugeot | 407 2004 On | 137Bhp | 2.0 | TC027 | PG017 |
| 178 | PG023 | Peugeot | 5008 2010 On | 156Bhp | 1.6 | TC032 | PG050 |
| 179 | PG041 | Peugeot | 5008 2010 On | 163Bhp | 1.6 | TC032 | PG050 |
| 180 | PG050 | Peugeot | 5008 2018 On | THP Allure 165Bhp | 1.6 | TC032 | PG050 |
| 181 | PG027 | Peugeot | 508 2011 On | Premium 156Bhp | 1.6 | TC027 | PG043 |
| 182 | PG028 | Peugeot | 508 2011 On | SW 156Bhp | 1.6 | TC028 | PG042 |
| 183 | PG029 | Peugeot | 508 2011 On | GT 204Bhp | 2.2 | TC027 | PG043 |
| 184 | PG030 | Peugeot | 508 2011 On | SW GT 204Bhp | 2.2 | TC028 | PG042 |
| 185 | PG042 | Peugeot | 508 2011 On | SW THP 163Bhp | 1.6 | TC028 | PG042 |
| 186 | PG043 | Peugeot | 508 2011 On | GT 204Bhp | 2.2 | TC027 | PG043 |
| 187 | PG044 | Peugeot | 508 2011 On | THP 163Bhp | 1.6 | TC027 | PG043 |
| 188 | PG014 | Peugeot | 807 2003 On | ST 137Bhp | 2.0 | TC032 | PG014 |
| 189 | PG025 | Peugeot | RCZ 2011 On | 156Bhp | 1.6 | TC026 | PG026 |
| 190 | PG026 | Peugeot | RCZ 2011 On | 200Bhp | 1.6 | TC026 | PG026 |

**RELEASE NOTES FOR MRC DATABASE VERSION T5.0 (TTS REAL TIMES)
MAY 2019**

| No | TPS Project Code | Make | Model | Derivatives | Engine Size | Current TTS Project Code | New TTS Project Code |
|-----|------------------|--------|----------------|---------------------------|-------------|--------------------------|----------------------|
| 191 | PR051 | Proton | Putra 1996 On | EXi DOHC (C99) 138Bhp | 1.8 | TC004 | PR052 |
| 192 | PR052 | Proton | Putra 1996 On | EXi DOHC (C99) 138Bhp | 1.8 | TC004 | PR052 |
| 193 | PR053 | Proton | Satria 1994 On | GL 81Bhp | 1.3 | TC006 | PR053 |
| 194 | PR054 | Proton | Satria 1994 On | GLi 111Bhp | 1.6 | TC006 | PR054 |
| 195 | PR055 | Proton | Satria 1994 On | XLi 111Bhp | 1.6 | TC006 | PR055 |
| 196 | PR056 | Proton | Satria 1994 On | GL 81Bhp | 1.3 | TC006 | PR056 |
| 197 | PR057 | Proton | Satria 1994 On | GLi 111Bhp | 1.6 | TC006 | PR054 |
| 198 | PR058 | Proton | Satria 1994 On | XLi 111Bhp | 1.6 | TC006 | PR058 |
| 199 | PR060 | Proton | Satria 1994 On | GTi 138Bhp | 1.8 | TC006 | PR054 |
| 200 | PR068 | Proton | Satria 1994 On | GLi 81Bhp | 1.3 | TC006 | PR053 |
| 201 | PR075 | Proton | Satria 1994 On | GLi 86Bhp | 1.5 | TC019 | PR055 |
| 202 | PR076 | Proton | Satria 1994 On | GLi 86Bhp | 1.5 | TC019 | PR054 |
| 203 | PR087 | Proton | Satria 1994 On | GLi Special Edition 81Bhp | 1.3 | TC019 | PR056 |
| 204 | PR088 | Proton | Satria 1994 On | GLi Special Edition 86Bhp | 1.5 | TC019 | PR055 |
| 205 | PR089 | Proton | Satria 1994 On | GLi Special Edition 86Bhp | 1.5 | TC019 | PR054 |
| 206 | PR021 | Proton | Wira 1993 On | GL 86Bhp | 1.5 | TC005 | PR021 |

**RELEASE NOTES FOR MRC DATABASE VERSION T5.0 (TTS REAL TIMES)
MAY 2019**

| No | TPS Project Code | Make | Model | Derivatives | Engine Size | Current TTS Project Code | New TTS Project Code |
|-----|------------------|--------|--------------|-------------|-------------|--------------------------|----------------------|
| 207 | PR022 | Proton | Wira 1993 On | GL 86Bhp | 1.5 | TC005 | PR022 |
| 208 | PR023 | Proton | Wira 1993 On | XLi 111Bhp | 1.6 | TC005 | PR023 |
| 209 | PR024 | Proton | Wira 1993 On | XL 111Bhp | 1.6 | TC005 | PR024 |
| 210 | PR025 | Proton | Wira 1993 On | GL 81Bhp | 1.3 | TC005 | PR043 |
| 211 | PR026 | Proton | Wira 1993 On | GL 81Bhp | 1.3 | TC007 | PR026 |
| 212 | PR027 | Proton | Wira 1993 On | GL 86Bhp | 1.5 | TC007 | PR027 |
| 213 | PR028 | Proton | Wira 1993 On | XLi 111Bhp | 1.6 | TC007 | PR028 |
| 214 | PR029 | Proton | Wira 1993 On | XL 111Bhp | 1.6 | TC007 | PR029 |
| 215 | PR030 | Proton | Wira 1993 On | GL 81Bhp | 1.3 | TC005 | PR043 |
| 216 | PR031 | Proton | Wira 1993 On | GL 81Bhp | 1.3 | TC007 | PR031 |
| 217 | PR032 | Proton | Wira 1993 On | GL 86Bhp | 1.5 | TC007 | PR027 |
| 218 | PR033 | Proton | Wira 1993 On | GL 86Bhp | 1.5 | TC005 | PR021 |
| 219 | PR034 | Proton | Wira 1993 On | GL 86Bhp | 1.5 | TC005 | PR022 |
| 220 | PR035 | Proton | Wira 1993 On | GL 86Bhp | 1.5 | TC007 | PR027 |
| 221 | PR036 | Proton | Wira 1993 On | XL 111Bhp | 1.6 | TC005 | PR024 |
| 222 | PR037 | Proton | Wira 1993 On | XL 111Bhp | 1.6 | TC007 | PR029 |

**RELEASE NOTES FOR MRC DATABASE VERSION T5.0 (TTS REAL TIMES)
MAY 2019**

| No | TPS Project Code | Make | Model | Derivatives | Engine Size | Current TTS Project Code | New TTS Project Code |
|-----|------------------|--------|--------------|---------------------------|-------------|--------------------------|----------------------|
| 223 | PR038 | Proton | Wira 1993 On | XLi 111Bhp | 1.6 | TC005 | PR023 |
| 224 | PR039 | Proton | Wira 1993 On | XLi 111Bhp | 1.6 | TC007 | PR028 |
| 225 | PR040 | Proton | Wira 1993 On | EXi 138Bhp | 1.8 | TC005 | PR040 |
| 226 | PR041 | Proton | Wira 1993 On | EXi DOHC 138Bhp | 1.8 | TC005 | PR041 |
| 227 | PR042 | Proton | Wira 1993 On | Diesel (C95) 67Bhp | 2.0 | TC005 | PR042 |
| 228 | PR043 | Proton | Wira 1993 On | GLi 81Bhp | 1.3 | TC005 | PR043 |
| 229 | PR044 | Proton | Wira 1993 On | GLi 81Bhp | 1.3 | TC007 | PR044 |
| 230 | PR045 | Proton | Wira 1993 On | GLi 86Bhp | 1.5 | TC005 | PR045 |
| 231 | PR046 | Proton | Wira 1993 On | GLi 86Bhp | 1.5 | TC007 | PR046 |
| 232 | PR069 | Proton | Wira 1993 On | GLi 86Bhp | 1.5 | TC007 | PR069 |
| 233 | PR070 | Proton | Wira 1993 On | GLi 86Bhp | 1.5 | TC005 | PR070 |
| 234 | PR081 | Proton | Wira 1993 On | GLi Special Edition 86Bhp | 1.5 | TC022 | PR046 |
| 235 | PR082 | Proton | Wira 1993 On | GLi Special Edition 86Bhp | 1.5 | TC022 | PR069 |
| 236 | PR091 | Proton | Wira 1993 On | Executive 111Bhp | 1.6 | TC010 | PR023 |
| 237 | PR094 | Proton | Wira 1993 On | XLi 111Bhp | 1.6 | TC005 | PR023 |
| 238 | PR097 | Proton | Wira 1993 On | XLi 111Bhp | 1.6 | TC007 | PR028 |

**RELEASE NOTES FOR MRC DATABASE VERSION T5.0 (TTS REAL TIMES)
MAY 2019**

| No | TPS Project Code | Make | Model | Derivatives | Engine Size | Current TTS Project Code | New TTS Project Code |
|-----|------------------|---------|-----------------------|-------------------------|-------------|--------------------------|----------------------|
| 239 | PR098 | Proton | Wira 1993 On | EXi 138Bhp | 1.8 | TC007 | PR098 |
| 240 | PR099 | Proton | Wira 1993 On | EXi 138Bhp | 1.8 | TC007 | PR099 |
| 241 | RN014 | Renault | Grand Scenic 2004 On | 134Bhp | 2.0 | TC023 | RN014 |
| 242 | RN009 | Renault | Kangoo 2001 On | RTE (A) 74Bhp | 1.4 | TC023 | RN009 |
| 243 | RN010 | Renault | Kangoo 2001 On | RTE (M) 74Bhp | 1.4 | TC023 | RN010 |
| 244 | RN001 | Renault | Megane Scenic 1997 On | RT (VF1JA0F) | 1.6 | TC008 | RN001 |
| 245 | RN002 | Renault | Megane Scenic 1997 On | RT (VF1JA0F) | 1.6 | TC008 | RN002 |
| 246 | SK001 | Skoda | Fabia 2002 On | Elegance 74Bhp | 1.4 | TC022 | SK001 |
| 247 | SK002 | Skoda | Fabia 2002 On | Elegance Combi 74Bhp | 1.4 | TC021 | SK002 |
| 248 | SK003 | Skoda | Octavia 2002 On | Elegance 99Bhp | 1.6 | TC022 | SK003 |
| 249 | SK004 | Skoda | Octavia 2002 On | Laurin & Klement 148Bhp | 1.8 | TC022 | SK004 |
| 250 | SK005 | Skoda | Octavia 2002 On | 200FSi 148Bhp | 2.0 | TC022 | SK005 |
| 251 | SK006 | Skoda | Octavia 2002 On | 200FSi 148Bhp | 2.0 | TC021 | SK006 |
| 252 | SU023 | Suzuki | Alto 2010 On | GLX 67Bhp | 1.0 | TC022 | SU025 |
| 253 | SU024 | Suzuki | Alto 2010 On | GXS 67Bhp | 1.0 | TC022 | SU025 |

**RELEASE NOTES FOR MRC DATABASE VERSION T5.0 (TTS REAL TIMES)
MAY 2019**

| No | TPS Project Code | Make | Model | Derivatives | Engine Size | Current TTS Project Code | New TTS Project Code |
|-----|------------------|--------|---------------|-------------------------------|-------------|--------------------------|----------------------|
| 254 | SU025 | Suzuki | Alto 2010 On | GA 67Bhp | 1.0 | TC022 | SU025 |
| 255 | SU030 | Suzuki | Swift 2011 On | GLX 94Bhp | 1.4 | TC022 | SU030 |
| 256 | SU033 | Suzuki | Swift 2011 On | RR Limited Edition 94Bhp | 1.4 | TC022 | SU033 |
| 257 | TY235 | Toyota | C-HR 2018 On | 1.8 (ZGX11R-CHXEGB AB) 138Bhp | 1.8 | TC025 | TY235 |
| 258 | TY036 | Toyota | Hiace 1996 On | LH112R-RBMRS | 2.4 | TC013 | TY036 |
| 259 | TY038 | Toyota | Hiace 1996 On | RZH112R-RRKRS | 2.0 | TC013 | TY040 |
| 260 | TY039 | Toyota | Hiace 1996 On | RZH112R-RRMRS | 2.0 | TC013 | TY040 |
| 261 | TY040 | Toyota | Hiace 1996 On | RZH112R-RRMRS A | 2.0 | TC013 | TY040 |
| 262 | TY032 | Toyota | Hilux 1999 On | LN166R-TRMDS 87Bhp | 2.8 | TC010 | TY032 |
| 263 | TY033 | Toyota | Hilux 1999 On | LN166R-PRMDS 87Bhp | 2.8 | TC010 | TY032 |
| 264 | TY067 | Toyota | Hilux 2005 On | (KUN25R-TRMDHE) 101Bhp | 2.5 | TC042 | TY113 |
| 265 | TY068 | Toyota | Hilux 2005 On | G (KUN25R-PRPSHE) 101Bhp | 2.5 | TC043 | TY115 |
| 266 | TY069 | Toyota | Hilux 2005 On | G (KUN25R-PRMSHE) 101Bhp | 2.5 | TC043 | TY116 |
| 267 | TY097 | Toyota | Hilux 2005 On | (KUN25R-TRMDHE) 101Bhp | 2.5 | TC042 | TY113 |
| 268 | TY098 | Toyota | Hilux 2005 On | G (KUN25R-PRPSHE) 101Bhp | 2.5 | TC043 | TY115 |
| 269 | TY099 | Toyota | Hilux 2005 On | G (KUN25R-PRMSHE) 101Bhp | 2.5 | TC043 | TY116 |

**RELEASE NOTES FOR MRC DATABASE VERSION T5.0 (TTS REAL TIMES)
MAY 2019**

| No | TPS Project Code | Make | Model | Derivatives | Engine Size | Current TTS Project Code | New TTS Project Code |
|-----|------------------|--------|---------------|---------------------------------|-------------|--------------------------|----------------------|
| 270 | TY103 | Toyota | Hilux 2005 On | Standard (KUN25R-PRMDHE) 101Bhp | 2.5 | TC043 | TY114 |
| 271 | TY104 | Toyota | Hilux 2005 On | G (KUN26R-PRPSYT) 161Bhp | 3.0 | TC043 | TY104 |
| 272 | TY113 | Toyota | Hilux 2005 On | (KUN25R-TRMDHE) 101Bhp | 2.5 | TC042 | TY113 |
| 273 | TY114 | Toyota | Hilux 2005 On | Standard (KUN25R-PRMDHE) 101Bhp | 2.5 | TC043 | TY114 |
| 274 | TY115 | Toyota | Hilux 2005 On | G (KUN25R-PRPSHE) 101Bhp | 2.5 | TC043 | TY115 |
| 275 | TY116 | Toyota | Hilux 2005 On | G (KUN25R-PRMSHE) 101Bhp | 2.5 | TC043 | TY116 |
| 276 | TY117 | Toyota | Hilux 2005 On | G (KUN26R-PRPSYT) 161Bhp | 3.0 | TC043 | TY117 |
| 277 | TY143 | Toyota | Hilux 2005 On | (KUN25R-TRMDHE) 142Bhp | 2.5 | TC042 | TY113 |
| 278 | TY144 | Toyota | Hilux 2005 On | Standard (KUN25R-PRMDHE) 142Bhp | 2.5 | TC043 | TY114 |
| 279 | TY145 | Toyota | Hilux 2005 On | G (KUN25R-PRPSHE) 142Bhp | 2.5 | TC043 | TY115 |
| 280 | TY146 | Toyota | Hilux 2005 On | G (KUN25R-PRMSHE) 142Bhp | 2.5 | TC043 | TY116 |
| 281 | TY169 | Toyota | Hilux 2005 On | (KUN25R-TRMDHE) 142Bhp | 2.5 | TC042 | TY113 |
| 282 | TY170 | Toyota | Hilux 2005 On | Standard (KUN25R-PRMDHE) 142Bhp | 2.5 | TC043 | TY114 |
| 283 | TY171 | Toyota | Hilux 2005 On | G (KUN25R-PRPSHE) 142Bhp | 2.5 | TC043 | TY115 |
| 284 | TY172 | Toyota | Hilux 2005 On | G (KUN25R-PRMSHE) 142Bhp | 2.5 | TC043 | TY116 |

**RELEASE NOTES FOR MRC DATABASE VERSION T5.0 (TTS REAL TIMES)
MAY 2019**

| No | TPS Project Code | Make | Model | Derivatives | Engine Size | Current TTS Project Code | New TTS Project Code |
|-----|------------------|------------|----------------|---|-------------|--------------------------|----------------------|
| 285 | TY173 | Toyota | Hilux 2005 On | G (KUN26R-PRPSYT) 161Bhp | 3.0 | TC043 | TY117 |
| 286 | TY185 | Toyota | Hilux 2005 On | G (KUN25R-PRPSHEHH) 142Bhp | 2.5 | TC043 | TY115 |
| 287 | TY186 | Toyota | Hilux 2005 On | G (KUN25R-PRMSHEHG) 142Bhp | 2.5 | TC043 | TY116 |
| 288 | TY187 | Toyota | Hilux 2005 On | G TRD Sportivo (KUN25R-PRPSHEHJ) 142Bhp | 2.5 | TC043 | TY115 |
| 289 | TY188 | Toyota | Hilux 2005 On | G TRD Sportivo (KUN26R-PRPSYEHF) 161Bhp | 3.0 | TC043 | TY117 |
| 290 | TY192 | Toyota | Hilux 2005 On | 3.0 G (KUN26R-PRPSYEHN) 161Bhp | 3.0 | TC043 | TY117 |
| 291 | VW031 | Volkswagen | Beetle 2014 On | TSI Sport 103Bhp | 1.2 | TC019 | VW042 |
| 292 | VW032 | Volkswagen | Beetle 2014 On | TSI Design 103Bhp | 1.2 | TC019 | VW042 |
| 293 | VW033 | Volkswagen | Beetle 2014 On | Dune 1.4 TSI 148Bhp | 1.4 | TC019 | VW042 |
| 294 | VW042 | Volkswagen | Beetle 2014 On | TSI Sport 103Bhp | 1.2 | TC019 | VW042 |
| 295 | VW003 | Volkswagen | Golf 2010 On | GTI (MK 6) 207Bhp | 2.0 | TC022 | VW004 |
| 296 | VW004 | Volkswagen | Golf 2010 On | TSI (MK 6) 138Bhp | 1.4 | TC022 | VW004 |
| 297 | VW012 | Volkswagen | Jetta 2011 On | TSI 158Bhp | 1.4 | TC020 | VW025 |
| 298 | VW024 | Volkswagen | Jetta 2011 On | TSI 158Bhp | 1.4 | TC020 | VW025 |
| 299 | VW025 | Volkswagen | Jetta 2011 On | TSI Highline 148Bhp | 1.4 | TC020 | VW025 |

**RELEASE NOTES FOR MRC DATABASE VERSION T5.0 (TTS REAL TIMES)
MAY 2019**

| No | TPS Project Code | Make | Model | Derivatives | Engine Size | Current TTS Project Code | New TTS Project Code |
|-----|------------------|------------|------------------|----------------------------------|-------------|--------------------------|----------------------|
| 300 | VW026 | Volkswagen | Jetta 2011 On | TSI Comfortline 148Bhp | 1.4 | TC020 | VW025 |
| 301 | VW027 | Volkswagen | Jetta 2011 On | TSI Trendline 148Bhp | 1.4 | TC020 | VW025 |
| 302 | VW011 | Volkswagen | Passat 2011 On | TSI (B7) 158Bhp | 1.8 | TC027 | VW011 |
| 303 | VW036 | Volkswagen | Passat 2016 On | TSI (B8) Highline 217Bhp | 2.0 | TC027 | VW044 |
| 304 | VW037 | Volkswagen | Passat 2016 On | TSI (B8) Comfortline 178Bhp | 1.8 | TC027 | VW044 |
| 305 | VW038 | Volkswagen | Passat 2016 On | TSI (B8) Trendline 178Bhp | 1.8 | TC027 | VW044 |
| 306 | VW043 | Volkswagen | Passat 2016 On | TSI (B8) Comfortline Plus 178Bhp | 1.8 | TC027 | VW044 |
| 307 | VW044 | Volkswagen | Passat 2016 On | TSI (B8) Trendline Plus 178Bhp | 1.8 | TC027 | VW044 |
| 308 | VW001 | Volkswagen | Polo 2008 On | GTI (MK 4) 148Bhp | 1.8 | TC022 | VW001 |
| 309 | VW002 | Volkswagen | Polo 2010 On | TSI (MK 5) 104Bhp | 1.2 | TC022 | VW015 |
| 310 | VW014 | Volkswagen | Polo 2010 On | GTI (MK 5) 178Bhp | 1.4 | TC019 | VW014 |
| 311 | VW015 | Volkswagen | Polo 2010 On | GTI (MK 5) 178Bhp | 1.4 | TC022 | VW015 |
| 312 | VW039 | Volkswagen | Polo 2010 On | MPI (MK 5) 103Bhp | 1.6 | TC022 | VW015 |
| 313 | VW006 | Volkswagen | Scirocco 2009 On | TSI 158Bhp | 1.4 | TC019 | VW007 |
| 314 | VW007 | Volkswagen | Scirocco 2009 On | TSI 207Bhp | 2.0 | TC019 | VW007 |
| 315 | VW008 | Volkswagen | Tiguan 2008 On | TSI 197Bhp | 2.0 | TC031 | VW008 |

**RELEASE NOTES FOR MRC DATABASE VERSION T5.0 (TTS REAL TIMES)
MAY 2019**

| No | TPS Project Code | Make | Model | Derivatives | Engine Size | Current TTS Project Code | New TTS Project Code |
|-----|------------------|------------|----------------|------------------------|-------------|--------------------------|----------------------|
| 316 | VW040 | Volkswagen | Tiguan 2017 On | TSI Comfortline 148Bhp | 1.4 | TC031 | VW041 |
| 317 | VW041 | Volkswagen | Tiguan 2017 On | TSI Highline 148Bhp | 1.4 | TC031 | VW041 |
| 318 | VO021 | Volvo | S40 1996 On | 145Bhp | 2.0 | TC010 | VO022 |
| 319 | VO022 | Volvo | S40 1996 On | T 170Bhp | 2.0 | TC010 | VO022 |
| 320 | VO023 | Volvo | S40 1996 On | T 160Bhp | 1.9 | TC010 | VO023 |
| 321 | VO027 | Volvo | S40 2004 On | 170Bhp | 2.4 | TC027 | VO040 |
| 322 | VO040 | Volvo | S40 2004 On | 170Bhp | 2.4 | TC027 | VO040 |
| 323 | VO041 | Volvo | S40 2004 On | Powershift 143Bhp | 2.0 | TC027 | VO041 |
| 324 | VO052 | Volvo | S60 2011 On | T5 240Bhp | 2.0 | TC027 | VO053 |
| 325 | VO053 | Volvo | S60 2011 On | T6 (AWD) AWD 304Bhp | 3.0 | TC027 | VO053 |
| 326 | VO011 | Volvo | S80 2000 On | T | 2.0 | TC027 | VO014 |
| 327 | VO012 | Volvo | S80 2000 On | T | 2.0 | TC027 | VO014 |
| 328 | VO013 | Volvo | S80 2000 On | Executive | 2.0 | TC027 | VO014 |
| 329 | VO014 | Volvo | S80 2000 On | T | 2.0 | TC027 | VO014 |
| 330 | VO015 | Volvo | S80 2000 On | T6 | 2.8 | TC027 | VO015 |
| 331 | VO016 | Volvo | S80 2000 On | 201Bhp | 2.9 | TC027 | VO016 |

**RELEASE NOTES FOR MRC DATABASE VERSION T5.0 (TTS REAL TIMES)
MAY 2019**

| No | TPS Project Code | Make | Model | Derivatives | Engine Size | Current TTS Project Code | New TTS Project Code |
|-----|------------------|-------|--------------|-----------------------|-------------|--------------------------|----------------------|
| 332 | VO017 | Volvo | S80 2000 On | T6 Executive 268Bhp | 2.9 | TC027 | VO018 |
| 333 | VO018 | Volvo | S80 2000 On | T6 Executive 268Bhp | 2.9 | TC027 | VO018 |
| 334 | VO010 | Volvo | V50 2005 On | T5 Sportswagon 220Bhp | 2.5 | TC028 | VO010 |
| 335 | VO042 | Volvo | V50 2005 On | i 170Bhp | 2.4 | TC028 | VO042 |
| 336 | VO043 | Volvo | V50 2005 On | Powershift 143Bhp | 2.0 | TC028 | VO043 |
| 337 | VO060 | Volvo | V60 2012 On | T4 178Bhp | 1.6 | TC028 | VO061 |
| 338 | VO061 | Volvo | V60 2012 On | T5 242Bhp | 2.0 | TC028 | VO061 |
| 339 | VO044 | Volvo | XC60 2009 On | T6 SE 281Bhp | 3.0 | TC031 | VO056 |
| 340 | VO045 | Volvo | XC60 2009 On | T6 LE 281Bhp | 3.0 | TC031 | VO056 |
| 341 | VO046 | Volvo | XC60 2009 On | T5 Powershift 200Bhp | 2.0 | TC031 | VO056 |
| 342 | VO056 | Volvo | XC60 2009 On | T5 Powershift 240Bhp | 2.0 | TC031 | VO056 |
| 343 | VO024 | Volvo | V40 1996 On | Turbo Normal 147ps | 2.0 | TC012 | VO024 |
| 344 | VO025 | Volvo | V40 1996 On | Turbo Normal 172ps | 2.0 | TC012 | VO025 |
| 345 | VO026 | Volvo | V40 1996 On | Turbo Normal 162ps | 1.9 | TC012 | VO026 |
| 346 | VO057 | Volvo | V40 2013 On | T4 182ps | 1.6 | TC022 | VO059 |
| 347 | VO058 | Volvo | V40 2013 On | T5 216ps | 2.0 | TC022 | VO059 |

RELEASE NOTES FOR MRC DATABASE VERSION T5.0 (TTS REAL TIMES)
MAY 2019

| No | TPS Project Code | Make | Model | Derivatives | Engine Size | Current TTS Project Code | New TTS Project Code |
|-----|------------------|-------|-------------|------------------------|-------------|--------------------------|----------------------|
| 348 | VO059 | Volvo | V40 2013 On | Cross Country T5 216ps | 2.0 | TC022 | VO059 |

2.0 ADDITIONAL NOTES & INFORMATION :

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