

**Ground Truth Determined with Constraint-Guided Clustering
for the ECUPrint Aligned Dataset**

Table 1: Honda CIVIC

ECU	IDs
ECU1	039, 305, 401
ECU2	1A6, 21E, 221, 294, 295, 309, 372, 374, 377, 378, 386, 405, 428, 42D, 42E
ECU3	18E
ECU4	091, 19B, 1A4, 1AA, 1B0, 1D0, 1EA, 255, 3D9, 406
ECU5	13C, 158, 17C, 1DC, 1ED, 320, 324, 328, 3D7, 400, 40C, 454, 465
ECU6	156

Table 2: Opel CORSA

ECU	IDs
ECU1	0F1, 1E1, 1F1, 361, 3F1, 440, 460
ECU2	0C1, 0C5, 1C9, 1E9, 265, 2F9, 363, 530
ECU3	1E5
ECU4	0C9, 1BC, 1BD, 1C1, 1F5, 2C5, 3D1, 3E9, 3F9, 4C1, 4D1, 772

Table 3: Hyundai i20

ECU	IDs
ECU1	043, 044, 383, 593
ECU2	251, 2B0, 381
ECU3	18F, 1BF, 200, 260, 316, 329, 492, 4E5, 4E6, 4E7, 545, 547, 549, 556, 557, 5CE, 5CF
ECU4	153, 164, 220, 386, 387, 507
ECU5	500, 5A0, 5A1
ECU6	4F1, 50C, 50E, 52A, 541, 553, 5B0

Table 4: Dacia DUSTER

ECU	IDs
ECU1	161, 181, 1F9, 551, 5DD, 65C
ECU2	244, 284, 285, 354
ECU3	1A5

Table 5: Dacia LOGAN

ECU	IDs
ECU1	1B0, 2BC, 350, 45C, 4AC, 500, 552, 55D, 575, 5DE, 5DF, 657, 69F
ECU2	186, 18A, 1F6, 217, 2A9, 2C6, 41A, 41D, 511, 5DA, 648, 65C, 66A
ECU3	090, 0C6, 12E, 242, 29A, 29C, 2B7, 352, 354, 5D7, 666
ECU4	1A0, 62B
ECU5	3B7, 4F8, 646, 6FB
ECU6	564, 653

Table 6: Hyundai ix35

ECU	IDs
ECU1	350
ECU2	165, 2B0, 5E4
ECU3	4F0, 690
ECU4	153, 164, 1F1, 220, 430, 4B1, 4D0
ECU5	0A0, 0A1, 18F, 260, 2A0, 316, 329, 545
ECU6	429, 5A0, 5A1, 5A2

Table 7: Ford FIESTA

ECU	IDs
ECU1	023, 04A, 04B, 460
ECU2	073, 090, 20E, 20F, 211, 212, 213, 215, 216, 2C3, 4B0
ECU3	150
ECU4	190, 275, 2C1, 400, 405, 430, 432, 433, 4E3, 4F2
ECU5	0FD, 200, 201, 203, 205, 228, 231, 232, 261, 268, 280, 2BA, 360, 364, 420, 424, 428, 4F1
ECU6	080, 240
ECU7	455

Table 8: Ford KUGA

ECU	IDs
ECU1	0B0, 140
ECU2	3E2, 3EA, 455
ECU3	050, 06A, 0D0, 0E0, 0F0, 0F5, 100, 2B0
ECU4	030, 0C8, 150, 17E, 260, 290, 310, 360, 380, 3B4, 400, 405, 40A, 420, 435, 581
ECU5	060, 070, 080, 090, 0A0, 0C0, 0F8, 120, 130, 138, 1A0, 1B0, 200, 270, 280, 2D8, 2F0, 340
ECU6	160, 180, 190, 1C0, 1D0, 1E0, 210, 213, 218, 252, 2D0, 2D4
ECU7	04A, 04B, 208, 388
ECU8	2E0
ECU9	170, 229, 2A0, 2A5
ECU10	010
ECU11	269

Table 9: Ford ECOSPORT

ECU	IDs
ECU1	041, 084, 242, 331, 38D, 3B1, 3B3, 3B4, 3B5, 3B6, 3B7, 3B8, 3C3, 3C7, 3E3, 3EB, 40A, 42C, 447, 581
ECU2	3A8, 3AA, 3AB, 3AE
ECU3	3E2, 3EA, 455
ECU4	047, 156, 165, 166, 167, 178, 179, 17C, 200, 202, 204, 230, 41F, 421, 424, 42D, 42F, 43D, 43E, 595
ECU5	049, 04A, 04B, 04C, 076, 077, 07D, 07E, 07F, 082, 083, 091, 092, 213, 214, 216, 217, 23A, 2F1, 326, 332, 333, 35E, 386, 3C8, 3DA, 3E0, 415, 416, 430, 434, 435, 437, 438, 439, 43A, 4B0, 59E

Table 10: John DEERE

ECU	IDs
ECU1	04EF0021, 0C010321, 0CEF0321, 0CFDCC21, 0CFE4321, 0CFE4421, 0CFE4521, 0CFFFF21, 18EF0021, 18EFFF21, 18F00621, 18FEAE21, 18FEF021, 18FEF121, 18FEF721, 18FEFC21, 18FF9721, 18FFBF21, 18FFC921, 18FFF821, 18FFFA21, 18FFFB21, 18FFFF21, 1CFDDF21, 1CFFFF21
ECU2	0CF00300, 0CF00400, 18EF2100, 18EFAA00, 18FEDF00, 18FEEE00, 18FEFF00, 18FEF200, 18FEF600, 18FEF700, 1CEBFF00, 1CECFF00
ECU3	18F00503, 1CFEC303