

## CAN-meldinger ION 2015

ID	Enum value	Length	Data[0]	1	2	3	Description
0x000	CAN_ERR_HV_SHUTDOWN	1	1				Opens the high voltage shutdown circuit
0x181	MOTORCONTROLLER_LEFT_RX_STDID						
0x182	MOTORCONTROLLER_RIGHT_RX_STDID						
0x201	MOTORCONTROLLER_LEFT_TX_STDID						
0x202	MOTORCONTROLLER_RIGHT_TX_STDID						
0x300	CAN_ERR_PEDALS_IMPLAUSIBILITY	1	PEDAL[1:0]				Sent if a pedal sensor implausibility is detected. Value is the pedal sensor the
0x310	CAN_MSG_PEDALS	4	TORQUE[16:8]	TORQUE[8:0]	BRAKE[16:8]	BRAKE[8:0]	Torque- & brake-encoder values (12-bit values; 0xFFFF max, 0x000 min)
0x311	CAN_MSG_STEERING	2	STEERING[16:8]	STEERING[8:0]			Steering values (12-bit)
0x320	CAN_MSG_PEDALS_CALIBRATE	1	CALIBRATION[8:0]				Start calibration (pedals / steering, see sheet 1)
0x321	CAN_MSG_PEDALS_CALIBRATION_COMPLETE	1	RESULT[8:0]				Pedal module calibration result, see sheet 1
0x400	CAN_MSG_USER_START	1	STATE[0]				Sent when the state of the dashboard START-button changes
0x401	CAN_MSG_USER_STOP	1	STATE[0]				Sent when the state of the dashboard STOP-button changes
0x450	CAN_MSG_WHEEL_RPM_FRONT	4	LEFT[16:8]	LEFT[8:0]	RIGHT[16:8]	RIGHT[8:0]	

ECU
Sikkerhetsmodul
Pedalmodul
Dashbordmodul
Dashboard (RPI)
Motorcontroller

### CAN\_MSG\_PEDALS\_CALIBRATE

Data[0]	Description
0x0	Minimum, torque & brake
0x1	Maximum, torque
0x2	Maximum, brake
0x3	Minimum (left), steering
0x4	Center, steering
0x5	Maximum (right), steering

### CAN\_MSG\_PEDALS\_CALIBRATION\_COMPLETE

Bit	0	1	2	3	4	5	6	7
Value	TORQUE	BRAKE	STEERING					ERROR

Sent when the calibration is finished. If the ERROR-bit is set, the calibration failed