CALIFORNIA AIR RESOURCES BOARD	PACCAR INC.	EXECUTIVE ORDER A-384-0106-1 New On-Road Heavy-Duty Motor Vehicles

Pursuant to the authority vested in California Air Resources Board by Health and Safety Code Divisions 25.5 and 26, Part 5, Chapter 2; and pursuant to the authority vested in the undersigned by Health and Safety Code Sections 39515 and 39516 and Executive Order G-19-095;

IT IS ORDERED AND RESOLVED: The following on-road motor vehicles with a manufacturer's GVWR over 10,000 pounds are certified as described below. Production vehicles shall be in all material respects the same as those for which certification is granted.

MODEL YEAR	VEHICLE FAMILY NAME	VEHICLE TYPE	VEHICLE SERVICE CLASS	SUBCATEGORY (Vehicle Size / Engine Cycle / Duty Cycle)	VEHICLE MAKE & MODELS
2021	MPCR2VOCVC4R	Vocational Tractor	Heavy HDV	Heavy HDV/Diesel/Regional	**Peterbilt:** Model 325; Model 348; Model 330; Model 367; Model 520; Model 579; Model 537; Model 536; Model 389; Model 220; Model 567; Model 365; Model 535; Model 337; Model 548 **Kenworth:** T370; T380; T470; C500; T440; W900; T800; T480; W990; T680; T680; K370

EMISSION CONTROL SYSTEMS
LRRD. LRRS, TPMS, VSLE, VSL, WR, LRRA, IRT
*=not applicable; **VSL** = Vehicle speed limiter; **VSLS** = "Soft-top" vehicle speed limiter; **VSLE** = Expiring vehicle speed limiter; **VSLD** = Vehicle speed limiter with both "soft-top" and expiration; **IRT** = Engine shutoff; **IRT5** = Engine shutoff after 5 minutes or less of idling; **IRTE** = Expiring engine shutoff; **LRRA** = Low rolling resistance tires (all); **LRRD** = Low rolling resistance tires (drive); **LRRS** = Low rolling resistance tires (steer); **ATS** = Aerodynamic side skirt and/or fuel tank fairing; **ARF** = Aerodynamic roof fairing; **ARFR** = Adjustable height aerodynamic roof fairing; **TGR =** Gap reducing tractor fairing (tractor to trailer gap); **ADVH** = Vehicle includes advanced hybrid technology components; **ADVO** = Vehicle includes other advanced-technology components (*i.e.*, non-hybrid system); **INV** = Vehicle includes innovative (off-cycle) technology components; **ATI** = Automatic tire inflation system; **TPMS** = Tire pressure monitoring system; **WR** = Weight Reduction

Shown below are the CO_2 Greenhouse Gas Exhaust Emission Standard (STD) in g/ton-mile and/or the CO_2 Family Emission Limit(s) (FEL) of the listed vehicle family in g/ton-mile as applicable under 17 CCR 95663:

GVWR (pounds)	STD [CO_2 (in g/ton-mile)]	Highest Projected FEL [CO_2 (in g/ton-mile)]	Lowest Projected FEL [CO_2 (in g/ton-mile)]
GVWR > 33,000	205	552	129

BE IT FURTHER RESOLVED: The manufacturer has demonstrated certification compliance with the Greenhouse Gas Emission Standards as specified in Title 17 CCR 95663 and the incorporated "California Greenhouse Gas Exhaust Emission Standards and Test Procedures for 2014 and Subsequent Model Heavy-Duty Vehicles" (HDV Test Procedures) adopted October 21, 2014 as last amended June 27, 2019.

BE IT FURTHER RESOLVED: For the listed air conditioning platform(s) in the attachment the manufacturer has demonstrated certification compliance with the AC Leakage Standard specified in 17 CCR 95663(a)(1)(B)7 and Section 1037.115 of the incorporated "California Greenhouse Gas Exhaust Emission Standards and Test Procedures for 2014 and Subsequent Model Heavy-Duty Vehicles" (HDV Test Procedures) adopted October 21, 2014, as last amended June 27, 2019.

BE IT FURTHER RESOLVED: For the listed vehicle models the manufacturer has submitted the materials to demonstrate certification compliance with 13 CCR 1965 (emission control labels), and 13 CCR 2035 et seq. (emission control warranty).

Vehicles certified under this Executive Order must conform to all applicable California emission regulations.

This Executive Order hereby supersedes Executive Order A-384-0106 dated January 26, 2021

Executed on this 2nd day of June 2021.

Allen Lyons, Chief
Emissions Certification and Compliance Division

Attachment: P1/1

A/C PLATFORM SUMMARY TABLE

Vehicle family	Date	EO
MPCR2VOCVC4R	04/28/21	A-384-0106-1

A/C Platform ID	Refrigerant Type	Refrigerant Capacity (g)	STD (HFC (g/year))	Leakage Rate (HFC (g/year))
STANDARD 0000301	R134a	953	14.3	13.4
STANDARD 0000370	R134a	1361	20.4	19.4
STANDARD 0000410	R134a	1616	24.2	20.0
STANDARD 0000500	R134a	1588	23.8	19.4
STANDARD 0000610	R134a	1474	22.1	12.8
STANDARD 0000800	R134a	1588	23.8	19.3
ROOF-MTD-CONDENSER0000800	R134a	1588	23.8	21.7
STANDARD 0000810	R134a	1474	22.1	12.9
STANDARD 0000900	R134a	1446	21.7	19.7
STANDARD 0000990	R134a	1474	22.1	12.9
STANDARD 0000380	R134a	879	13.2	13.1
STANDARD 0000480	R134a	879	13.2	13.1
STANDARD 0002201	R134a	953	14.3	13.4
STANDARD 0003251	R134a	1315	19.7	16.3
STANDARD 0003301	R134a	1315	19.7	16.3
STANDARD 0003371	R134a	1315	19.7	16.3
STANDARD 0003481	R134a	1315	19.7	16.3
STANDARD 0003651	R134a	1270	19.1	16.8
STANDARD 0003671	R134a	1270	19.1	16.8
STANDARD 0003891	R134a	1315	19.7	16.8
STANDARD 0005201	R134a	1315	19.7	19.7
STANDARD 0005671	R134a	1474	22.1	12.9
STANDARD 0005791	R134a	1474	22.1	12.8
STANDARD 0005351	R134a	879	13.2	13.1
STANDARD 0005361	R134a	879	13.2	13.1
STANDARD 0005371	R134a	879	13.2	13.1
STANDARD 0005481	R134a	879	13.2	13.1