California Environmental Protection Agency AIR RESOURCES BOARD	John Deere Power Systems	EXECUTIVE ORDER U-R-004-0317 New Off-Road Compression-Ignition Engines

Pursuant to the authority vested in the Air Resources Board by Sections 43013, 43018, 43101, 43102, 43104 and 43105 of the Health and Safety Code; and

Pursuant to the authority vested in the undersigned by Sections 39515 and 39516 of the Health and Safety Code and Executive Order G-02-003;

IT IS ORDERED AND RESOLVED: That the following compression-ignition engines and emission control systems produced by the manufacturer are certified as described below for use in off-road equipment. Production engines shall be in all material respects the same as those for which certification is granted.

MODEL YEAR	ENGINE FAMILY	DISPLACEMENT (liters)	FUEL TYPE	USEFUL LIFE (hours)
2008	8JDXL09.0102	9.0	Diesel	8000

SPECIAL FEATURES & EMISSION CONTROL SYSTEMS	TYPICAL EQUIPMENT APPLICATION
Direct Diesel Injection, Turbocharger, Charge Air Cooler, Electronic Control Module, Smoke Puff Limiter, Exhaust Gas Recirculation	Loader, Tractor, Dozer, Pump, Compressor, Generator Set, Other Industrial Equipment

The engine models and codes are attached.

The following are the exhaust certification standards (STD), or family emission limit(s) (FEL) as applicable, and certification levels (CERT) for hydrocarbon (HC), oxides of nitrogen (NOx), or non-methane hydrocarbon plus oxides of nitrogen (NMHC+NOx), carbon monoxide (CO), and particulate matter (PM) in grams per kilowatt-hour (g/kw-hr), and the opacity-of-smoke certification standards and certification levels in percent (%) during acceleration (Accel), lugging (Lug), and the peak value from either mode (Peak) for this engine family (Title 13, California Code of Regulations, (13 CCR) Section 2423):

RATED POWER CLASS	EMISSION STANDARD CATEGORY		EXHAUST (g/kw-hr)					OPACITY (%)		
			HC	NOx	NMHC+NOx	CO	PM	ACCEL	LUG	PEAK
130 ≤ kW < 225	Tier 3	STD	N/A	N/A	4.0	3.5	0.20	20	15	50
225 ≤ kW < 450	Tier 3	STD	N/A	N/A	4.0	3.5	0.20	20	15	50
		FEL	N/A	N/A	3.9	--	0.17	--	--	--
		CERT	--	--	3.6	0.5	0.12	8	4	32

BE IT FURTHER RESOLVED: That the family emission limit(s) (FEL) is an emission level declared by the manufacturer for use in any averaging, banking and trading program and in lieu of an emission standard for certification. It serves as the applicable emission standard for determining compliance of any engine within this engine family under 13 CCR Sections 2423 and 2427.

BE IT FURTHER RESOLVED: That for the listed engine models, the manufacturer has submitted the information and materials to demonstrate certification compliance with 13 CCR Section 2424 (emission control labels), and 13 CCR Sections 2425 and 2426 (emission control system warranty).

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

This Executive Order is only granted to the engine family and model-year listed above. Engines in this family that are produced for any other model-year are not covered by this Executive Order.

Executed at El Monte, California on this 14th day of December 2007.

D. Lawrence

Annette Hebert, Chief
Mobile Source Operations Division

OFF-ROAD CERTIFICATION DATABASE

This database contains information submitted to the Air Resources Board from manufacturers. The Air Resources Board has reviewed this information and believes it to be accurate, but does not assume any responsibility for any errors or inaccuracies that may exist herein. The Air Resources Board may revise the information contained in this document at any time.

2008 Model Year Certified Offroad Compression-Ignition Engines (Diesel) - Regular

This page updated July 24, 2008

NEW: *Executive Orders added/updated within the past 14 days.*

JOHN DEERE POWER SYSTEMS

						Certification Level (g/kW-hr)				
Executive Order	Engine Family	Max. Disp. (liter)	Min. Power (kW)	Max. Power (kW)	Application	HC	NOx	NMHC + NOx	CO	PM
U-R-004-0311	8JDXL06.8101	6.8	85	236	Loader, Tractor, Pump, Compressor, Generator, Other Industrial Equipment	---	---	3.4	0.6	0.11
U-R-004-0312	8JDXL06.8104	6.8	138	177	Loader, Tractor, Pump, Compressor, Generator, Other Industrial Equipment	---	---	3.6	1.3	0.18
U-R-004-0312-1	8JDXL06.8104	6.8	138	177	Loader, Tractor, Pump, Compressor, Generator, Other Industrial Equipment	---	---	3.6	1.3	0.18
U-R-004-0313	8JDXL06.8105	6.8	78	129	Loader, Tractor, Pump, Compressor, Generator, Other Industrial Equipment	---	---	3.4	1.5	0.25
U-R-004-0314	8JDXL06.8106	6.8	56	74	Tractor, Pump, Compressor, Generator, Other Industrial Equipment	---	---	4.1	1.4	0.2
U-R-004-0315	8JDXL04.5111	4.5	64	74	Pump, Compressor, Generator, Other Industrial Equipment	---	---	4	0.9	0.3
U-R-004-0316	8JDXL04.5107	4.5	63	74	Pump, Compressor, Generator	---	---	4.1	2.3	0.19
U-R-004-0317	8JDXL09.0102	9	82 160	330	Loader, Tractor, Dozer, Pump, Compressor, Generator	---	---	3.6	0.5	0.12
U-R-004-0318	8JDXL13.5103	13.5	261	470	Pump, Compressor, Generator, Other Industrial Equipment	---	---	3.4	0.6	0.1
U-R-004-0319	8JDXL06.8038	6.8	186	186	Tractor, Pump, Compressor, Generator, Other Industrial Equipment	---	---	6.2	0.8	0.18
U-R-004-0320	8JDXL06.8049	6.8	168	205	Pump, Compressor, Generator, Other Industrial	---	---	5.8	0.9	0.13

Engine Model Summary Form

U-2-004-0317

Attachment p. 1 of 7.

Manufacturer: **John Deere Power Systems**

Engine category: **Nonroad CI**

EPA Engine Family: **8JDXL09.0102**

Family Name: **450HAA**

Code: **Re-Submission**

1.Engine Code	2.Engine Model	3.BHP@RPM (SAE Gross)	4.Fuel Rate: mm/stroke @ peak HP (for diesel only)	5.Fuel Rate: (lbs/hr) @ peak HP (for diesels only)	6.Torque @ RPM (SEA Gross)	7.Fuel Rate: mm/stroke@peak torque	8.Fuel Rate: (lbs/hr)@peak torque	9.Emission Control Device Per SAE J1930
6090HF485Q	6090H	250.78@2200	116.40@2200	86.45@2200	885.70@1500	179.1@1500	90.57@1500	EM EGR EC SPL DDI, TC, CA
6090HF485P	6090H	250.78@2200	117.10@2200	86.89@2200	807.53@1500	160.3@1500	81.09@1500	EM EGR EC
6090HN001	6090H	324.53@2200	149.20@2200	110.74@2200	1084.81@1600	202.6@1600	109.35@1600	EM EGR EC
6090HT001B	6090H	217.25@2100	105.80@2100	74.96@2100	733.78@1575	144.4@1575	76.72@1575	EM EGR EC
6090HZ003A	6090H	383.54@2200	178.70@2200	132.50@2200	1083.34@1600	205.5@1600	110.90@1600	EM EGR EC
6090HRW20	6090H	219.93@2100	107.30@2100	76.00@2100	741.89@1575	150@1575	79.66@1575	EM EGR EC
6090HRW21A	6090H	278.94@2100	133.90@2100	94.80@2100	976.41@1575	197.5@1575	104.88@1575	EM EGR EC
6090HRW21B	6090H	242.73@2100	115.90@2100	82.10@2100	821.54@1575	164.1@1575	87.13@1575	EM EGR EC
6090HRW22	6090H	303.08@2100	141.80@2100	100.40@2100	1061.21@1575	197.8@1575	105.01@1575	EM EGR EC
6090HF485U	6090H	225.30@2000	113.50@2000	76.57@2000	807.53@1500	160.5@1500	81.16@1500	EM EGR EC
6090HF485B	6090H	375.49@2200	172.30@2200	127.89@2200	1147.50@1500	211.7@1500	107.13@1500	EM EGR EC
6090HF485C	6090H	350.01@2200	161.10@2200	119.60@2200	1146.76@1500	211.9@1500	107.41@1500	EM EGR EC
6090HF485D	6090H	350.01@2200	161.10@2200	119.52@2200	1146.76@1500	211.9@1500	107.21@1500	EM EGR EC
6090HF485G	6090H	324.53@2200	150.40@2200	111.65@2200	1146.76@1500	211.9@1500	107.19@1500	EM EGR EC
6090HDW01	6090H	312.46@2100	149.50@2100	105.91@2100	1047.94@1500	196.8@1500	99.54@1500	EM EGR EC
6090HF485S	6090H	225.30@2200	107.80@2200	80.03@2200	725.67@1500	142.5@1500	72.07@1500	EM EGR EC
6090HF485T	6090H	225.30@2200	106.50@2200	79.06@2200	807.53@1500	160.3@1500	81.07@1500	EM EGR EC
6090HTJ02	6090H	214.57@2000	110.20@2000	74.39@2000	829.65@1400	161.1@1400	76.20@1400	EM EGR EC
6090HTJ05	6090H	241.39@2000	123.70@2000	83.45@2000	907.08@1400	176.7@1400	83.49@1400	EM EGR EC
6090HH005A	6090H	383.54@2200	178.70@2200	132.50@2200	1083.34@1600	205.5@1600	110.90@1600	EM EGR EC
6090HH005B	6090H	352.69@2200	162.30@2200	120.38@2200	994.11@1600	198.6@1600	107.10@1600	EM EGR EC
6090HF485Y	6090H	307.10@1800	142.10@1800	101.46@1800				EM EGR EC
6090HF485V	6090H	422.43@1800	232.00@1800	140.66@1800				EM EGR EC
[illegible]HT001A	6090H	199.15@2100	96.10@2100	68.08@2100	672.57@1575	132.1@1575	70.18@1575	EM EGR EC
[illegible]T002	6090H	282.96@1900	158.10@1900	101.37@1900	1065.64@1400	203.9@1400	96.30@1400	EM EGR EC
6090HRW31	6090H	299.05@2100	141.10@2100	99.94@2100	976.41@1600	191.7@1600	103.40@1600	EM EGR EC
6090HRW34	6090H	299.05@2100	141.10@2100	99.94@2100	976.41@1600	191.7@1600	103.40@1600	EM EGR EC
* 6090HF485A	6090H	417.06@2200	191.00@2200	141.65@2200	1231.57@1575	231@1575	122.65@1575	EM EGR EC
6090HF485W	6090H	384.88@1800	179.60@1800	128.31@1800				EM EGR EC
6090HF485H	6090H	324.53@2000	161.80@2000	109.15@2000	1146.76@1500	211.9@1500	107.21@1500	EM EGR EC
6090HF485I	6090H	300.39@2200	138.80@2200	103.00@2200	971.24@1500	180.8@1500	91.50@1500	EM EGR EC
6090HZ003B	6090H	352.69@2200	162.30@2200	120.38@2200	994.11@1600	198.6@1600	107.10@1600	EM EGR EC
6090HZ003C	6090H	327.21@2200	151.70@2200	112.57@2200	914.46@1600	181.1@1600	97.73@1600	EM EGR EC
6090HRW37	6090H	299.05@2100	141.10@2100	99.94@2100	976.41@1600	191.7@1600	103.40@1600	EM EGR EC
6090HRW23A	6090H	331.24@2100	155.60@2100	110.15@2100	1131.27@1575	210.3@1575	111.65@1575	EM EGR EC
6090HRW23B	6090H	303.08@2100	141.80@2100	100.40@2100	1061.21@1575	197.8@1575	105.01@1575	EM EGR EC
6090HF485X	6090H	345.99@1800	161.20@1800	115.13@1800				EM EGR EC
6090HF485F	6090H	324.53@2200	150.80@2200	111.89@2200	1051.63@1500	192.4@1500	97.36@1500	EM EGR EC
6090HF485J	6090H	300.39@2200	138.40@2200	102.67@2200	1051.63@1500	195.3@1500	98.81@1500	EM EGR EC
6090HF485K	6090H	300.39@2000	149.60@2000	100.95@2000	1051.63@1500	195.4@1500	98.86@1500	EM EGR EC
6090HF485M	6090H	274.91@2200	125.70@2200	93.35@2200	885.70@1500	178.1@1500	90.08@1500	EM EGR EC
6090HF485N	6090H	274.91@2200	125.30@2200	93.04@2200	968.29@1500	197.3@1500	99.78@1500	EM EGR EC
6090HF485O	6090H	274.91@2000	136.30@2000	91.96@2000	968.29@1500	198.5@1500	100.38@1500	EM EGR EC
6090HZ002	6090H	402.31@2200	183.60@2200	136.29@2200	1143.07@1600	216.1@1600	116.65@1600	EM EGR EC
6090HRW44	6090H	299.05@2100	141.10@2100	99.94@2100	976.41@1600	191.7@1600	103.40@1600	EM EGR EC
6090HRW33	6090H	374.15@2100	175.80@2100	124.45@2100	1182.16@1600	222.9@1600	120.29@1600	EM EGR EC
6090HRW36	6090H	374.15@2100	175.80@2100	124.45@2100	1182.16@1600	222.9@1600	120.29@1600	EM EGR EC
6090HRW39	6090H	374.15@2100	175.80@2100	124.45@2100	1182.16@1600	222.9@1600	120.29@1600	EM EGR EC
6090HRW42	6090H	374.15@2100	175.80@2100	124.45@2100	1182.16@1600	222.9@1600	120.29@1600	EM EGR EC
6090HRW45	6090H	374.15@2100	175.80@2100	124.45@2100	1182.16@1600	222.9@1600	120.29@1600	EM EGR EC
6090HRW46	6090H	374.15@2100	175.80@2100	124.45@2100	1182.16@1600	222.9@1600	120.29@1600	EM EGR EC
6090HF485Z	6090H	330 442.54@1800	237.70@1800	144.34@1800				EM EGR EC
6090HDW03	6090H	230.66@2200	111.10@2200	82.46@2200	884.96@1600	169.7@1600	91.61@1600	EM EGR EC
[illegible]DW06	6090H	295.03@2000	148.80@2000	100.36@2000	1132.01@1500	215.5@1500	109.07@1500	EM EGR EC
[illegible]HRW43	6090H	299.05@2100	141.10@2100	99.94@2100	976.41@1600	191.7@1600	103.40@1600	EM EGR EC
6090HZ003D	6090H	406.33@2200	186.50@2200	138.30@2200	1161.51@1600	217.6@1600	117.36@1600	EM EGR EC
6090HRW40	6090H	299.05@2100	141.10@2100	99.94@2100	976.41@1600	191.7@1600	103.40@1600	EM EGR EC
6090HRW38	6090H	299.05@2100	141.10@2100	99.94@2100	976.41@1600	191.7@1600	103.40@1600	EM EGR EC
6090HRW41	6090H	299.05@2100	141.10@2100	99.94@2100	976.41@1600	191.7@1600	103.40@1600	EM EGR EC
6090HH008B	6090H	352.69@2200	162.30@2200	120.38@2200	994.11@1600	198.6@1600	107.10@1600	EM EGR EC

SPL, DDI, TC
CAC

6090HH008A	6090H	406.33@2200	186.50@2200	138.30@2200	1161.51@1600	217.6@1600	117.36@1600	EM EGR EC
6090HF485L	6090H	399.63@2200	182.40@2200	135.39@2200	1143.07@1600	167.9@1600	116.65@1600	EM EGR EC
6090HDW02	6090H	286.98@2400	126.80@2400	102.58@2400	814.90@1600	148.9@1600	80.32@1600	EM EGR EC
6090HTJ01	6090H	214.57@2000	110.20@2000	74.39@2000	829.65@1400	161.1@1400	76.20@1400	EM EGR EC
6090HRW32	6090H	299.05@2100	141.10@2100	99.94@2100	976.41@1600	191.7@1600	103.40@1600	EM EGR EC
6090HRW35	6090H	299.05@2100	141.10@2100	99.94@2100	976.41@1600	191.7@1600	103.40@1600	EM EGR EC
RW24	6090H	331.24@2100	159.40@2100	112.86@2100	1143.07@1575	217.1@1575	115.30@1575	EM EGR EC
F485E	6090H	350.01@2000	175.70@2000	118.50@2000	1146.76@1500	211.9@1500	107.21@1500	EM EGR EC
6090HF485R	6090H	250.78@2000	123.00@2000	83.01@2000	885.70@1500	179.1@1500	90.59@1500	EM EGR EC

U-R-004-0317

Attachment p. 2 of 7

Engine Model Summary Form

U-R-004-0317

Manufacturer: **John Deere Power Systems**
Engine category: **Nonroad CI**
EPA Engine Family: **8JDXL09.0102**
ıily Name: **450HAA**
.s Code: **Running Change**

Attachment p. 3 of 7

1.Engine Code	2.Engine Model	3.BHP@RPM (SAE Gross)	4.Fuel Rate: mm/stroke @ peak HP (for diesel only)	5.Fuel Rate: (lbs/hr) @ peak HP (for diesels only)	6.Torque @ RPM (SEA Gross)	7.Fuel Rate: mm/stroke@peak torque	8.Fuel Rate: (lbs/hr)@peak torque	9.Emission Control Device Per SAE J1930
6090HTJ09	6090H	254.80@2000	130.90@2000	88.30@2000	921.83@1400	182.2@1400	86.09@1400	EM EGR EC SPL, DDI, TC CAC
6090HTJ10	6090H	227.98@2000	118.30@2000	79.81@2000	829.65@1400	171@1400	80.76@1400	EM EGR EC

Engine Model Summary Form

Manufacturer: **John Deere Power Systems**

Engine category: **Nonroad CI**

EPA Engine Family: **8JDXL09.0102**

'4 Family Name: **450HAA**

ocess Code: **Running Change**

U-R-004-0317

Attachment p. 4 of 7

1.Engine Code	2.Engine Model	3.BHP@RPM (SAE Gross)	4.Fuel Rate: mm/stroke @ peak HP (for diesel only)	5.Fuel Rate: (lbs/hr) @ peak HP (for diesels only)	6.Torque @ RPM (SEA Gross)	7.Fuel Rate: mm/stroke@peak torque	8.Fuel Rate: (lbs/hr)@peak torque	9.Emission Control Device Per SAE J1930
6090HDW01A	6090H	300.39@2100	147.70@2100	104.59@2100	1039.97@1500	195.3@1500	98.79@1500	EM EGR EC SPI, DDI, TC, CAC
6090HDW01B	6090H	280.28@2100	136.80@2100	96.85@2100	1014.16@1500	196@1500	99.12@1500	EM EGR EC

Engine Model Summary Form

Manufacturer: **John Deere Power Systems**

Engine category: **Nonroad CI**

EPA Engine Family: **8JDXL09.0102**

Mfr Family Name: **450HAA**

Process Code: **Running Change**

U-R-004-0317

Attachment p. 5 of 7

1.Engine Code	2.Engine Model	3.BHP@RPM (SAE Gross)	4.Fuel Rate: mm/stroke @ peak HP (for diesel only)	5.Fuel Rate: (lbs/hr) @ peak HP (for diesels only)	6.Torque @ RPM (SEA Gross)	7.Fuel Rate: mm/stroke@peak torque	8.Fuel Rate: (lbs/hr)@peak torque	9.Emission Control Device Per SAE J1930
6090HF485L	6090H	400.00@2200	182.40@2200	135.38@2200	1143.23@1600	216.1@1600	116.64@1600	EM EGR EC SOL, TC, CAC, DID
6090HT803A	6090H	350.00@2200	162.00@2200	120.24@2200	1087.18@1600	207.6@1600	112.06@1600	EM EGR EC
6090HT803B	6090H	320.50@2200	147.60@2200	109.57@2200	994.24@1600	199.5@1600	107.65@1600	EM EGR EC
6090HTJ12	6090H	237.36@2000	102.50@2000	81.35@2000	811.33@1400	135@1400	75.09@1400	EM EGR EC

Engine Model Summary Form

U-R-004-0317

Manufacturer: **John Deere Power Systems**

Engine category: **Nonroad CI**

EPA Engine Family: **8JDXL09.0102**

Family Name: **450HAA**

cess Code: **Running Change**

Attachment p. 6 of 7

1.Engine Code	2.Engine Model	3.BHP@RPM (SAE Gross)	4.Fuel Rate: mm/stroke @ peak HP (for diesel only)	5.Fuel Rate. (lbs/hr) @ peak HP (for diesels only)	6.Torque @ RPM (SEA Gross)	7.Fuel Rate: mm/stroke@peak torque	8 Fuel Rate: (lbs/hr)@peak torque	9.Emission Control Device Per SAE J1930
6090HT003	6090H	282.96@1900	158.10@1900	101.37@1900	1065.64@1400	203.9@1400	96.30@1400	EM EGR EC SPL,TC,CAC,I
6090HRW48	6090H	374.15@2100	175.80@2100	124.45@2100	1182.16@1600	222.9@1600	120.29@1600	EM EGR EC
6090HRW50	6090H	374.15@2100	175.80@2100	124.45@2100	1182.16@1600	222.9@1600	120.29@1600	EM EGR EC
6090HRW52	6090H	374.15@2100	175.80@2100	124.45@2100	1182.16@1600	222.9@1600	120.29@1600	EM EGR EC
6090HRW54	6090H	374.15@2100	175.80@2100	124.45@2100	1182.16@1600	222.9@1600	120.29@1600	EM EGR EC
6090HRW56	6090H	374.15@2100	175.80@2100	124.45@2100	1182.16@1600	222.9@1600	120.29@1600	EM EGR EC

U-R-004-0317

Engine Model Summary Form

Manufacturer: **John Deere Power Systems**

Engine category: **Nonroad CI**

EPA Engine Family: **8JDXL09.0102**

Mfr Family Name: **450HAA**

Process Code: **Running Change**

Attachment

1.Engine Code	2.Engine Model	3.BHP@RPM (SAE Gross)	4.Fuel Rate: mm/stroke @ peak HP (for diesel only)	5.Fuel Rate: (lbs/hr) @ peak HP (for diesels only)	6.Torque @ RPM (SEA Gross)	7.Fuel Rate: mm/stroke@peak torque	8.Fuel Rate: (lbs/hr)@peak torque	9.Emission Control Device Per SAE J1930	CAC
6090HFC48	6090H	399.63@2200	182.40@2200	135.39@2200	1143.07@1600	167.9@1600	116.65@1600	EM EGR EC	SPL, DDI, TC
6090HRW47	6090H	299.05@2100	141.10@2100	99.94@2100	976.41@1600	191.7@1600	103.40@1600	EM EGR EC	
6090HRW49	6090H	299.05@2100	141.10@2100	99.94@2100	976.41@1600	191.7@1600	103.40@1600	EM EGR EC	
6090HRW51	6090H	299.05@2100	141.10@2100	99.94@2100	976.41@1600	191.7@1600	103.40@1600	EM EGR EC	
6090HRW53	6090H	299.05@2100	141.10@2100	99.94@2100	976.41@1600	191.7@1600	103.40@1600	EM EGR EC	
6090HRW55	6090H	299.05@2100	141.10@2100	99.94@2100	976.41@1600	191.7@1600	103.40@1600	EM EGR EC	
6090HRW57	6090H	299.05@2100	141.10@2100	99.87@2100	976.41@1600	191.7@1600	103.40@1600	EM EGR EC	
6090HRW58	6090H	299.05@2100	141.10@2100	99.87@2100	976.41@1600	191.7@1600	103.40@1600	EM EGR EC	
6090HRW59	6090H	299.05@2100	141.10@2100	99.87@2100	976.41@1600	191.7@1600	103.40@1600	EM EGR EC	
6090HRW64	6090H	299.05@2100	141.10@2100	99.94@2100	976.41@1600	191.7@1600	103.40@1600	EM EGR EC	
6090HRW65	6090H	299.05@2100	141.10@2100	99.94@2100	976.41@1600	191.7@1600	103.40@1600	EM EGR EC	
6090HRW66	6090H	299.05@2100	141.10@2100	99.94@2100	976.41@1600	191.7@1600	103.40@1600	EM EGR EC	
6090HRW67	6090H	299.05@2100	141.10@2100	99.94@2100	976.41@1600	191.7@1600	103.40@1600	EM EGR EC	
6090HRW68	6090H	299.05@2100	141.10@2100	99.94@2100	976.41@1600	191.7@1600	103.40@1600	EM EGR EC	
6090HRW69	6090H	299.05@2100	141.10@2100	99.94@2100	976.41@1600	191.7@1600	103.40@1600	EM EGR EC	
6090HRW70	6090H	299.05@2100	141.10@2100	99.94@2100	976.41@1600	191.7@1600	103.40@1600	EM EGR EC	
6090HRW71	6090H	299.05@2100	141.10@2100	99.94@2100	976.41@1600	191.7@1600	103.40@1600	EM EGR EC	
6090HRW72	6090H	299.05@2100	141.10@2100	99.94@2100	976.41@1600	191.7@1600	103.40@1600	EM EGR EC	
6090HRW73	6090H	299.05@2100	141.10@2100	99.94@2100	976.41@1600	191.7@1600	103.40@1600	EM EGR EC	
6090HRW74	6090H	299.05@2100	141.10@2100	99.87@2100	976.41@1600	191.7@1600	103.40@1600	EM EGR EC	
6090HRW75	6090H	299.05@2100	141.10@2100	99.87@2100	976.41@1600	191.7@1600	103.40@1600	EM EGR EC	
6090HT005	6090H	217.25@2100	106.70@2100	75.62@2100	733.78@1575	148@1575	78.53@1575	EM EGR EC	