803 ... 18

State of California AIR RESOURCES BOARD

EXECUTIVE ORDER A-20-10 Relating to Certification of New Motor Vehicles

ISUZU MOTORS LIMITED

Pursuant to the authority vested in the Air Resources Board by Health and Safety Code Sections 43100, 43102, 43103, and 43835; and

Pursuant to the authority vested in the undersigned by Health and Safety Code Sections 39515 and 39516 and Executive Orders G-45-3 and G-45-4;

IT IS ORDERED AND RESOLVED: That Isuzu Motors Limited exhaust emission control systems for 1979 model-year gasoline-powered passenger cars are certified for the vehicles described below:

Engine Family	Displacement Cubic Inches	Exhaust Emission Control Systems (Special Features)
G180Z-B	110.8	Air Injection Exhaust Gas Recirculation Oxidation Catalyst

Vehicle Models, Transmissions, Engine Codes and Evaporative Emission Control Families as listed on attachments.

The following are the certification emission values to be listed on the window decal required by California Assembly-Line Test Procedures for 1979 model-year vehicles:

Engine Family	Hydrocarbons	Carbon Monoxide	Nitrogen Oxides
	Grams per Mile	Grams per Mile	Grams per Mile
G180Z-B	0.28	5.3	1.2

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with "California Evaporative Emission Standards and Test Procedures for 1978 and Subsequent Model Gasoline-Powered Motor Vehicles except Motorcycles".

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the Board's "Specifications for Fill Pipes and Openings of Motor Vehicle Fuel Tanks" (Title 13, California Administrative Code, Section 2290) for the aforementioned model year, or have been granted a temporary exemption from the aforementioned "Specifications" by Executive Order AA-20 series.

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

The Department of Motor Vehicles, the California Highway Patrol, and the Bureau of Automotive Repair will be notified by copy of this order and attachment.

Executed at El Monte, California this day of July, 1978.

G. C. Hass, Chief

Vehicle Emissions Control Division

1979 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer_	ISUZU MOTORS	LIMITED Executive Order No.	A-20-10 Page 1
Engine Family	G180Z-B	Engine (CID) 110.8	3

ABBREVIATIONS

Ignition System
CA-Centrifugal Advance
EI-Electronic Ignition
ESAC
VA-Vacuum Advance
VR-Vacuum Retard

Fuel System
EFI, MFI
nV-nVenturi Carburetor
VV-Variable Venturi

Exhaust Emissions Control System AI-Air Injection CCAV-Comb. Chamber Air Valve EFI-Electronic Fuel Injection EGR-Exhaust Gas Recirculation

ESAC-Electronic Spark Advance Control MFI-Mechanical Fuel Injection

EM-Engine Modification

Evaporative Emission Family: CRK-P

Vehicle Models:

JICK OPEL

Coupe Deluxe Coupe Sport Coupe Sedan

Issued: 071478

	. 1	979 AIR	RESOURCES	S BOARD SUPP	PLEMENTAL DATA	SHEET	E.O. #A <u>20</u> - <u>10</u>
,	XPasseng	er Cars		Light-Duty	/ Trucks	Medium-Duty	Vehicles
E	anufacturer <u>ISU</u> ngine Family <u>Gl</u> mission Control	80Z-B		Engin		8 0% (A/C)	Page 2 Engine Code Yes No x
Eng. Code	Vehicle Models (If Coded see attachment)	Trans.	Inertia Weight Class (Axle Ratio)*	CA,VA Ign. Sys. Distrib. Part No.	Fuel System 1-2V Carb. Part No.	EGR Valve Part No.	Tune-up Specification (1) Basic Timing (2) Idle Mixture (3) Idle Speed
PB-1	BUICK OPEL	M-4, M-5	2,500	Nippon Denso Ltd 8942099010		Automobile Parts Mfg. Co., Ltd. 8942139000	See tune up label on page 3
PB-2		A-3		8942095640	8942125290		

Comments. See page one for abbreviations and evaporative emission family identification. Please refer to manufacturer's HP list for correct dyno test HP settings based on model, equipment and inertia weight class.

*Axle ratio is that of medium duty certification vehicle.

Date of Issue - 071478

SEL PARKING, RAYE AND BLOCK ORIVE MIFELS SEL PARKING, RAYE ORIGINAL TO SECONDED IT ORDER ORIVE MIFELD SEL PARKING, RAYE AND BLOCK ORIVE MIFELS SEL PARKING, RAYE AND BLOCK ORIVE MIFELS SEL PARKING, RAYE AND SEL PARKING COMPERATION ORIVE MIFELS SEL PARKING, RAYE AND SEL PARKING COMPERATION ORIVE MIFELS SEL PARKING, RAYE AND SEL PARKING COMPERATION ORIVE MIFELS SEL PARKING, RAYE AND SEL PARKING COMPERATION ORIVE MIFELS SEL PARKING, RAYE AND SEL PARKING COMPERATION ORIVE MIFELS SEL PARKING, RAYE AND SEL PARKING COMPANIES ORIVE MIFELS SEL PARKING, RAYE AND SEL PARKING COMPANIES ORIVE MIFELS SEL PARKING, RAYE AND SEL PARKING COMPANIES ORIVE MIFELS SEL PARKING RAYE AND SEL PARKING ORIVE MIFELS SEL PARKING RAYE AND SEL PARKING ORIVE MIFELS SEL PARKING RAYE AND SEL PARKING ORIVE MIFELS SEL PARKING RAYE AND SEL	A-20-10	b120 :p∈
PARKING BRAKE AND BLOCK DRIVE WHEELS PARKING BRAKE AND BLOCK DRIVE WHEELS PALL DUSSINGUT AT NORMAL OPERATING TEMPERATURE, CHOKE OPEN, AIR CLEAGER PLUGED, ALL ACCESSORIES OFF, DASHPOT FULLY BOTTOMED IF INSTALLED, PLUGED, ALL ACCESSORIES OFF, DASHPOT FULLY BOTTOMED IF INSTALLED, PLUGED, ALL ACCESSORIES OFF, DASHPOT FULLY BOTTOMED IF INSTALLED, PLUGED, ALL ACCESSORIES OFF, DASHPOT FULLY BOTTOMED IF INSTALLED, PLUGED, ALL ACCESSORIES OFF, DASHPOT FULLY BOTTOMED IF INSTALLED, PLUGED, ALL ACCESSORIES OFF, DASHPOT FULLY BOTTOMED IF INSTALLED, PRANSITISSION IX NEUTRAL (BOUST SCREW TO 900 RPM. PRANSITISSION IX NEUTRAL (BOUST SCREW TO HAND BACK OUT 3 TURNS. PRANSITISSION IX NEUTRAL (BOUST SCREW TO 900 RPM. PRANSITISSION IX NEUTRAL BOJUST SCREW		ussI
PARKING BRAKE AND BLOCK DRIVE MIPELS PARKING BRAKE AND BLOCK DRIVE MIPELS PALLED, DISTRIBUTOR, TOLE COMPENSATING TEMPERATURE, CHOKE OPEN, AIR CLEAHER PLONGED, ALL ADJUSTIMENT AT NORMAL OPERATING TEMPERATURE, CHOKE OPEN, AIR CLEAHER PLONGED, ALL ADJUSTIMENT AT NORMAL OPERATING TEMPERATURE, CHOKE OPEN, AIR CLEAHER PLONGED, ALL ADJUSTIMENT OPEN AND EAR VACUUM LIKES DISCONCETED PLUGGED, AIR LOCESSORIES OFF, DOSLIPOT FULLY BOTTOMED IF INSTALLED, TRANSTISSION IN NOTIFIC TO SORIPOT FULLY BOTTOMED IF INSTALLED, TOLE SPEED DROP) TRANSTISSION IN NOTIFIC FOR ADJUST SCREW ALL THE WAY IN AND BACK OUT 3 TURNS. THE INTEL ADJUST SCREW TO 900 RPM. TORN TOLE MIXTURE ADJUST SCREW TO 900 RPM. TORN TOLE MIXTURE ADJUST SCREW TO 900 RPM. RESET THROTTLE ADJUST SCREW 1/2 TURN COUNTERCLOCKWISE (RICH). RESET TICE MIXTURE ADJUST SCREW 1/2 TURN COUNTERCLOCKWISE (RICH). RESET TICE ADJUST SCREW TO 900 RPM. RESET TICE TRAOTICE TO APPROX. 1/3 AND ALLOW THE THROTTLE TO CLOSE. (THIS ALLOWS THE SPEED-UP SOLENOID TO REACH FULL TRAVEL.) RAND 2,400 RPM. SET THE DASHPOT TO CONTROL THE DASHPOT SHAFT END WITH FOR ADDITIONAL INFORMATION. CATALYSI CORNECT TIME DISPACCEMENT 110.8 C.T. D. (1) EVALUATE THE DASHPOT SHAFT END WITH TO MARK. COLD SPEED TO 900 RPM. COLD SPEED TO 900 RPM. CONTROLLED: TURN A.C. ON MAX. COLD AND HIGH BLOWER. CATALYSI THE DESCRIPTION THAT TO REACH FULL TRAVEL.) ALIGN MARK ON CRANKSHAFT PULLEY TO MARK. COUNTERLY TO 900 RPM. CARCITORY THE DASHPOT TO REACH FULL TRAVEL.) ALIGN MARK ON CRANKSHAFT PULLEY TO MARK. CONNECT TIMING LIGHT LATE TOWARD TOW	NO.	VEHICLE CONFORMS TO U.S.EPA AND ICABLE TO 1979 MODEL YEAR NEW MO
PARKING, BRAKE AND BLOCK DRIVE WHEELS PARKING, BRAKE AND BLOCK DRIVE FAMILY PARKING BRAKE AND BLOCK DRIVE FAMILY PARKING, BRAKE AND BLOCK DRIVE FAMILY PARKING BRAKE AND BLOCK DRIVE FAMILY PARKING BRAKE AND BLOCK DRIVE FAMILY BRAKE OPEN ALL THE DRIVE A DOES AND BRAKE OF PARKING AND BROCK DRIVE BRAKE AND BRAKE OF PARKING AND BROCK DRIVE BRAKE AND DOES AND BRAKE AND DOES AND BRAKE AND DOES AND BRAKE AND	SHOP MANUAL AND MAINTENANCE ADDITIONAL INFORMATION.	AND 2,400 RPM. SET THE DASHPOT TO CONTACT THE DASHPOT SHAFT THE DASHPOT LEVER, AND THEN FULLY TIGHTEN THE LOCK NUT.
CK PARKING BRAKE AND BLOCK DRIVE WHFELS PARKING BRAKE AND BLOCK DRIVE WHFELS INCLUDE OF LISTATURE, CHOKE OPEN, AIR CLEAHER INCLED, DISTRIBUTOR, IDLE COMPENSATOR AND EGR VACUUM LINES DISCONNECTED PAUGGED, ALL ACCESSORIES OFF, DASHPOT FULLY BOTTOMATIC). TRANSMISSION IM, NEUTRAL (BOTH MANUAL AND ALL THE WAY IN AND BACK OUT 3 TURNS. SEED AND IDLE MIXTURE SETTING PROCEDURE (IDLE SPEED BROD) TORM THE IDLE MIXTURE ADJUST SCREW ALL THE WAY IN AND BACK OUT 3 TURNS. ADJUST SETTING OF IDLE MIXTURE ADJUST SCREW TO 900 RPM. TURN IDLE MIXTURE ADJUST SCREW CLOCKWISE (LEAN) UNTIL ENGINE SPEED IS DOWN TORM THE TROTTLE ADJUST SCREW CLOCKWISE (LEAN) UNTIL ENGINE SPEED IS DOWN TORM THE TROTTLE ADJUST SCREW TO 900 RPM. TO 850 RPM.		THIS ALLOWS THE SPEED-UP SOLENOID TO REACH FULL TRAVEL.) ADJUST THE SPEED-UP CONTROLLER ADJUSTING SCREW TO SET IDLE AT 900 FOR THE SPEED OF THE SPE
CREATING BRAKE AND BLOCK DRIVE MIMELS PARKING BRAKE AND BLOCK DIVE FAMILY PROBLEM TO SOUR PRICE SPEED BRAKER POINT GAP POURT GAP PARKING BRAKE AND BLOCK DRIVE MINING SETTING PROCEDURE PARKING BRAKE AND BLOCK DRIVE MINING SETTING PROCEDURE PARKING BRAKE AND BLOCK DIVE MINING SETTING PROCEDURE PROBLE SPEED PROBLE SPE	. ALIGN MARK ON CRANKSHAFT PULLEY TO MARK WITH TIMING LIGHT AIMED TOWARD MARK.	HROTTLE ADJUST SCREW TO 900 RPM. PROCEDURE COMBITIONER IS INSTALLED: TURN A.C. ON MAX. COLD AND HIGH BLOW
PARKING BRAKE AND BLOCK DRIVE WHEELS PARKING BRAKE AND BLOCK DRIVE WHEELS INFORMATION INFORMATION PRINCEUP CONDITIONS INFORMATION CONTINUE OC, AI AND EGR EXHAUST EMISSION CO INFORMATIVE FAMILY OC, AI AND EGR EXHAUST EMISSION CO INFORMATIVE FAMILY OC, AI AND EGR EXHAUST EMISSION CO INFORMATIVE FAMILY OC, AI AND EGR EXHAUST EMISSION CO INFORMATIVE FAMILY OC, AI AND EGR EXHAUST EMISSION CO INFORMATIVE FAMILY OC, AI AND EGR EXHAUST EMISSION CO INFORMATIVE FAMILY INFOR	GNITION TIMING SETTING PROCEDURE . SET IDLE SPEED TO 900 RPM CONNECT TIMING LIGHT LEAD TO NO. 1	IDLE MIXTURE ADJUST SCREW CLOCKWISE(LEAN) UNTIL ENGINE SPEED IS IDLE MIXTURE ADJUST SCREW 1/2 TURN COUNTERCLOCKWISE(RICH).
PARKING BRAKE AND BLOCK DRIVE WHELS OC, AI AND EGR EXHAUST EMISSION CO EVAPORATIVE FAMILY OC, AI AND EGR EXHAUST EMISSION CO EVAPORATIVE FAMILY OC, AI AND EGR EXHAUST EMISSION CO EVAPORATIVE FAMILY OC, AI AND EGR EXHAUST EMISSION CO EVAPORATIVE FAMILY OC, AI AND EGR EXHAUST EMISSION CO EVAPORATIVE FAMILY OC, AI AND EGR EXHAUST EMISSION CO EVAPORATIVE FAMILY OC, AI AND EGR EXHAUST EMISSION CO EVAPORATIVE FAMILY OC, AI AND EGR EXHAUST EMISSION CO EVAPORATIVE FAMILY OC, AI AND EGR EXHAUST EMISSION CO ENGINE DISPLACEMENT 110.8 C.I.D. (1.8 ENGINE DIS	0.006 IN.(0.	ROTTLE ADJUST SCREW TO 900 RPM. ETTING OF IDLE MIXTURE ADJUST SCREW TO ACHIEVE THE MAXIMUM SP
PARKING BRAKE AND BLOCK DRIVE WHEELS PARKING BRAKE AND EGR EXHAUST EMISSION CO CRK-P EVAPORATIVE FAMILY EVAPORATIVE FAMILY PENGINE DISPLACEMENT 110.8 C.I.D. (1.8 900 RPM TALLED PROBLEM TO THE THE BRITISH BOTOMED IF INSTALLED, PLUGGED, ALL ACCESSORIES OFF, DASHPOT FULLY BOTTOMED IF INSTALLED, TO THE THE BRING BRIDE AND EGR EXHAUST EMISSION CO CRK-P EVAPORATIVE FAMILY EVAPORATIVE FAMILY BEVAPORATIVE FAMILY CRK-P ENGINE DISPLACEMENT 110.8 C.I.D. (1.8 900 RPM TOLE SPEED INSTALLED, TO THE THE BRIDE AND EGR EXHAUST EMISSION CO TO THE THE BRIDE AND EGR EXHAUST EMISSION CO TO THE THE BRIDE AND EGR EXHAUST EMISSION CO TO THE THE BRIDE AND EGR EXHAUST EMISSION CO TO THE THE BRIDE AND EGR EXHAUST EMISSION CO TO THE THE BRIDE AND EGR EXHAUST EMISSION CO TO THE THE BRIDE AND EGR EXHAUST EMISSION CO TO THE THE BRIDE AND EGR EXHAUST EMISSION CO TO THE THE BRIDE AND EGR EXHAUST EMISSION CO TO THE THE BRIDE AND EGR EXHAUST EMISSION CO TO THE THE BRIDE AND EGR EXHAUST EMISSION CO TO THE THE BRIDE AND EGR EXHAUST EMISSION CO TO THE THE BRIDE AND EGR EXHAUST EMISSION CO TO THE THE BRIDE AND EGR EXHAUST EMISSION CO TO THE THE BRIDE AND EGR EXHAUST EMISSION CO TO THE THE BRIDE AND EGR EXHAUST EMISSION CO TO THE THE BRIDE AND EGR EXHAUST EMISSION CO TO THE THE BRIDE AND EGR EXHAUST EMISSION CO TO THE THE BRIDE AND EGR EXHAUST EMISSION CO TO THE THE BRIDE AND EGR	AHGLE 52° ER POINT GAP 0.018 IN. (0.45) PILIG GAP 0.030 IN (0.75)	TURN THE TOLE MIXTURE ADJUST SCREW ALL THE WAY IN AND
CATALYST CREATING BRAKE AND BLOCK DRIVE WHEELS INC. TUNE-UP CONDITIONS CATALYST CATALYST CATALYST CRK-P G180Z-B ENGINE FAMILY ENGINE DISPLACEMENT 110.8 C.I.D.(1.8	60	E ALL ADJUSTMENT AT NORMAL OPERATING TEMPERATURE, CHOKE OPEN, AIR CLE PLUGGED, ALL ACCESSORIES OFF, DASHPOT FULLY BOTTOMED IF INSTALLED,
SUZU MOTORS LIMITED C., AI AND EGR	LY 110.8	PARKING BRAKE AND BLOCK DRIVE WHEELS INE TUNE-UP CONDITIONS
	AI AND EGR	ISUZU MOTORS LIMITED

874170 :beussI