State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-6-89-2
Relating to Certification of New Motor Vehicles

GENERAL MOTORS CORPORATION

Pursuant to the authority vested in the Air Resources Board by Sections 43100, 43102, and 43103 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-45-3;

IT IS ORDERED AND RESOLVED: That General Motors Corporation exhaust emission control systems for 1977 model-year passenger cars are certified for the engine family described below:

Engine Family: 730M4AU
Engine: 403 CID
Transmission: 3-speed automatic
Exhaust Emission Control Systems: Air Injection, Exhaust Gas Recirculation, Oxidation Catalyst

Models: Buick

Le Sabre Limousine
Electra Limousine
Estate Wagon Funeral Coach

BE IT FURTHER RESOLVED: That this certification is contingent upon General Motors Corporation affixing a permanent catalyst overheat warning label on the driver's sun-visor of all catalyst-equipped vehicles. This label must be approved by the Executive Officer.

BE IT FURTHER RESOLVED: That this certification is also contingent General Motors Corporation listing in the owner's manual the operating cautions associated with a catalyst-equipped vehicle. This listing must be approved by the Executive Officer.

These vehicles are in addition to those previously certified for this engine family.

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 10 day of March, 1977.

G. C. Hass, Chief
Vehicle Emissions Control Division

1977 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET - GM FORMAT

(X) Passenger Cars ( ) Light-Duty Trucks

Manufacturer GENERAL MOTORS CORPORATION Executive Order No. A-6-89 Page 1

Engine Family 730M4AU Engine (CID) 350 Transm. A-3

Emission Control System AI, EGR, OC +10% (A/C) Yes (X) No ( )

Divisions	Basic Body	Trim	Body Type	Transmission Type & Code	Inertia Weight	Distributor Type HEI C,V Mfgr. Part Number	Fuel System Type 1-4V Mfgr. Part Number	EGR System Part No. Service*	Engine Code	Tune-Up Label Ident.	& Page No.
234 234 234 2	X X X F		17 27 69 87	1	4000	Delco Remy 1103266	Rochester 17057553	7045060 (no service)	10a	OZ	6
3 3	B B		37 69	11						SD	9
234 234 234 2 4 2 34 2	A B A B G A B		29 35 37 37 57 57 69	1	4500			7044402 (no service)	11	OR	7
4	B		69	11						OS	7
34 34	C C		37 69	1 or 22						OR	7
23	A		35	22	5000			7045061 (no service)	12		
234 234 234 2	X X X F		17 27 69 87	1	4000		Rochester 17057550	7045060 (no service)	20a	OZ	6

Comments: See pages 5 & 6 for model codes and names.

Date of Issue: 081776
Opt. trans. code 22 added to C bodies by RC 73-66 & 94, format revised 110176.

Abbreviations

Distributor
C-Centrifugal Advance
V-Vacuum Advance
HEI-High Energy Ignition
EI-Electronic Ignition

Fuel System
EFI, Electronic Fuel Injection

Exhaust Emission Control System
AI-Air Injection
CAI-Catalyst Air Injection
EFI-Electronic Fuel Injection
EGR-Exhaust Gas Recirculation
EM-Engine Modification
EFE-Early Fuel Evaporation
ESAC-Electronic Spark Advance Control
FI-Fuel Injection
OC-Oxidation Catalyst

*Service
I-Inspect, repair/replace as needed
R-Replace

1977 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET - GM FORMAT

(X) Passenger Cars ( ) Light-Duty Trucks

Manufacturer GENERAL MOTORS CORPORATION Executive Order No. A-6-89 Page 2

Engine Family 730M4AU Engine (CID) 350 Transm. A-3

Emission Control System AI, EGR, OC +10% (A/C) Yes (X) No ( )

Divisions	Basic Body	Trim	Body Type	Transmission Type & Code	Inertia Weight	Distributor Type: HEI C,V Mfgr. Part Number	Fuel System Type: 1-4V Mfgr. Part Number	EGR System Part No. Service*	Engine Code	Tune-Up Label Ident. & Page No.
3	B		37	11	4000	Delco Remy 1103266	Rochester 17057550	7045060 (no service)	20a	SD 9
3	B		69							
3	A		37	1				7044402 (no service)	21	OR 7
3	A	M	57							
2	B	Q	37							
2	B	L	37	11						
4	B		37							
2	B	L	69							
4	B		69							
3	C	V	37	1 or 22						
3	C	X	37		4500					
4	C		37							
34	C		69							
234	A		29	1						
234	B		35							
2 4	A		37							
2	B	N	37							
4	B		37							
3	A	K	57							
4	A		57							
2	G		57							
2	B	N	69							
2	B	Q	69							
2	A	D	35	22					22	
34	A		35		5000					
2	A	G	35							

Comments

Issue Date 081776

3CV37 was 4500 lb. before RC73-111, format revised 110176. Inertia weights revised by RC73-162 on 010577.

See page 1 for index to abbreviations

1977 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET - GM FORMAT

(XX) Passenger Cars ( ) Light-Duty Trucks

Manufacturer GENERAL MOTORS CORPORATION Executive Order No. A-6-89 Page 4

Engine Family 730M4AU Engine (CID) 403 Transm. A-3

Emission Control System AI, EGR, OC +10% (A/C) Yes (X) No ( )

Divisions	Basic Body	Trim	Body Type	Transmission Code	Inertia Weight	Distributor Type HEI C,V Mfgr. Part Number	Fuel System 1-4V Mfgr. Part Number	EGR System Part No. Service*	Engine Code	Tune-Up Label Ident. & Page No.
3	E		57	21	5000	Delco Remy 1103265	Rochester 17057552	7045151 (no service)	43	SC 9
3	A	G	37	2	4000	Delco Remy 1103264	Rochester 17057550	7044097 (no service)	50	OT 8
2	B	L	37							
2	B	N	37							
3	B		37							
23	B	L	69							
2	F		87							
23	A		29		4500					
2	A		37							
3	A	J	37							
2	B	Q	37							
4	B		37							
3	A		57							
2	B	Q	69							
4	B		69							
23	B	N	69							
2	G		15							
2	G		57							
34	C		37	2 or 23						
34	C		69							
234	B		35	2				7044403 (no service)	51	
2	A	D	35	23						
2	A	G	35		5000					
3	A		35							

Comments

Issue Date: 081776.
4B 35 added by RC 73-49. Opt. trans. code 23 added to C bodies by RC 73-66 & 104. 3BN37 & 3BL69 were 4500 lb. before RC 73-111. Format revised 110176. Inertia weights revised by RC 73-161 & 162 on 010577.

See page 1 for index to abbreviations

1977 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET - GM FORMAT

(X) Passenger Cars ( ) Light-Duty Trucks

Manufacturer GENERAL MOTORS CORPORATION Executive Order No. A-6-89 Page 3

Engine Family 730M4AU Engine (CID) 403 Transm. A-3

Emission Control System AI, EGR, OC +10% (A/C) Yes (X) No ( )

Divisions	Basic Body	Trim	Body Type	Transmission Code	Inertia Weight	Distributor Type: Mfgr. Part Number	Fuel System Type: 1-4V Mfgr. Part Number	EGR System Part No. Service*	Engine Code	Tune-Up Label Ident.	& Page No.
2	B	L	37	2	4000	Delco Remy 1103264 C,V	Rochester 17057553	7044097 (no service)	40 (with A.C.)	OT	8
2	B	N	37								
2	B	L	69								
2	F		87								
23	A		29		4500						
2	A		37								
3	A		57								
2	B	Q	37								
34	B		37								
2	B	N	69								
2	B	Q	69								
34	B		69								
2	G		57								
34	C		37	2 or 23							
34	C		69								
234	B		35	2							
23	A		35	23	5000			7044403 (no service)	41 (with A.C.)		
4	B	R	35	2 or 23							
4	B	P	69								
4	C	X	69								
3	E		57	20		EI Delco Remy Micro-Processor 1996316 HEI Dist. 1112990	17057552	7045062 (no service)	42	OU	8
							17057555		42a	SF	10
									42b (with A.C.)		

Comments Revisions of 022877 and 031477 consolidated on 040177.

Issue Date 081776. 4B 35 added by RC 73-49. Opt. trans. code 23 added to C bodies by RC 73-66 & 104, format revised 110176. Inertia weights revised by RC 73-162, label SF added by RC 73-81 on 010577. Buick models added to 5000 lb. class of EC41 by RC 73-86 Rev. (1) , on 022877. E.C. 42a added by RC 73-81; E.C. 42b & carb. 17057555 added by RC 73-206; (with A.C.) notes added, Micro-Processor PN corrected 031477.

See page 1 for index to abbreviations

1977 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

[X] Passenger Cars [ ] Light-Duty Trucks

Manufacturer General Motors Corporation Executive Order No. A-6-89 Page 5

Engine Family 730M4AU

Model Code Breakdown:

2 A D 29

Division — Basic Body — Trim — Body Type

Division
Basic Body
Trim
Body Type

Division	Basic Body	Trim	Body Type	Model
2				PONTIAC
	A	G	29	Grand LeMans Sedan
		D	29	LeMans Sedan
		G	35	Grand LeMans Safari Station Wagon
		D	35	LeMans Safari Station Wagon
		G	37	Grand LeMans Coupe
		F	37	LeMans Sport Coupe
		D	37	LeMans Coupe
	B	N	35	Grand Safari Wagon
		L	35	Safari Wagon
		Q	37	Bonneville Brougham Coupe
		N	37	Bonneville Coupe
		L	37	Catalina Coupe
		Q	69	Bonneville Brougham Sedan
		N	69	Bonneville Sedan
		L	69	Catalina Sedan
	F	S	87	Firebird
		U	87	Formula
		T	87	Esprit
		W	87	Trans AM
	G	H	15	Grand Prix 'SJ'
		K	57	Grand Prix 'LJ'
		J	57	Grand Prix
	X	Z	17	Ventura 'SJ' Hatchback Coupe
		Y	17	Ventura Hatchback Coupe
		Z	27	Ventura 'SJ' Coupe
		Y	27	Ventura Coupe
		Z	69	Ventura 'SJ' Sedan
		Y	69	Ventura Sedan
3				OLDSMOBILE
	A	M	29	Cutlass Brougham Hardtop Sedan
		G	29	Cutlass 'S' Hardtop Sedan
		J	29	Cutlass Supreme Hardtop Sedan
		H	35	Vista Cruiser Wagon
		J	37	Cutlass Supreme Hardtop Coupe
		G	37	Cutlass 'S' Hardtop Coupe
		M	57	Cutlass Brougham Hardtop Coupe
		K	57	Cutlass Salon Hardtop Coupe
	B	Q	35	Custom Cruiser Wagon
		N	37	Delta 88 Royale Pillar Coupe
		L	37	Delta 88 Pillar Coupe
		N	69	Delta 88 Royale Pillar Sedan
		L	69	Delta 88 Pillar Sedan
	C	X	37	Ninety-Eight Regency Coupe
		V	37	Ninety-Eight Luxury Coupe
		X	69	Ninety-Eight Regency Sedan
		V	69	Ninety-Eight Luxury Sedan
	E	W	57	Toronado XSR
		Z	57	Toronado Brougham
	X	E	17	Omega Brougham Hatchback Coupe
		B	17	Omega Hatchback Coupe
		E	27	Omega Brougham Coupe
		B	27	Omega Coupe
		S	27	F-85 Coupe
		E	69	Omega Brougham Sedan
		B	69	Omega Sedan

Was pages 18 & 19. Format revised 110176

1977 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

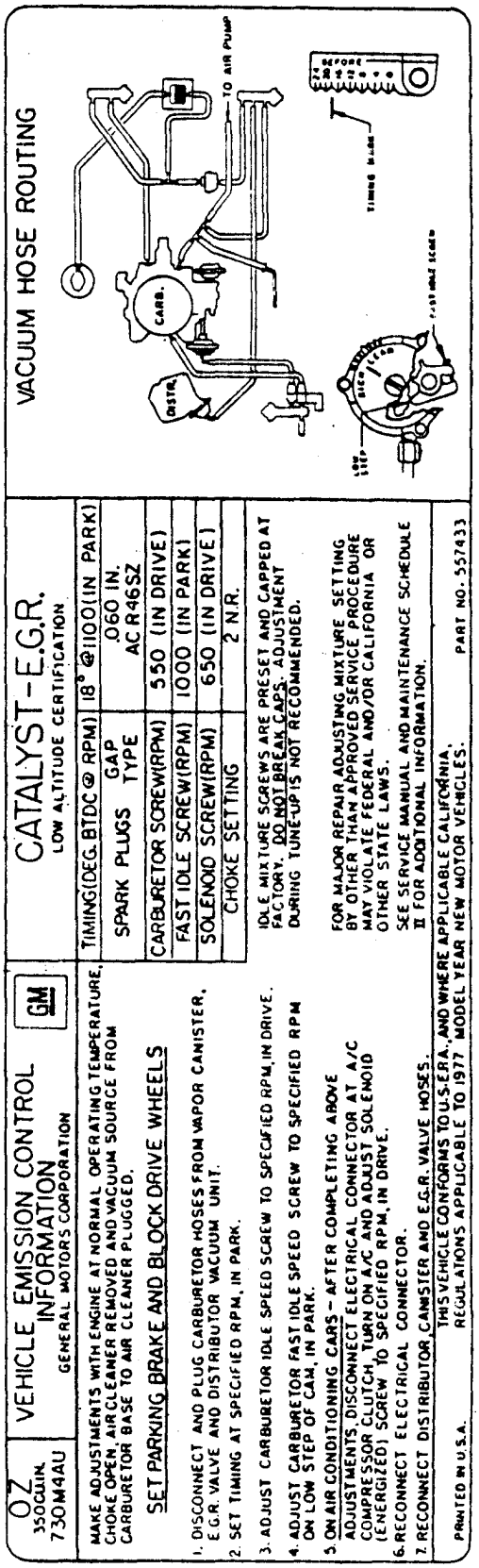
[X] Passenger Cars [ ] Light-Duty Trucks

Manufacturer General Motors Corporation Executive Order No. A-6-89 Page 6

Engine Family 730M4AU

Division	Basic Body	Trim Code	Body Type
4			BUICK
A	H	29	Century Custom Sedan
	D	29	Century Sedan
	J	29	Regal Sedan
	K	35	Century Wagon
	D	37	Century Coupe
	H	57	Century Custom Coupe
	J	57	Regal Coupe
B	R	35	Estate Wagon
	R	35	Estate Wagon Funeral Coach
	P	37	LeSabre Custom Coupe
	F	37	LeSabre Sport Coupe
	N	37	LeSabre Coupe
	Z	37	Riviera Coupe
	P	69	LeSabre Custom Sedan
	P	69	LeSabre Limousine
	N	69	LeSabre Sedan
C	V	37	Electra 225 Coupe
	X	37	Electra Ltd. Coupe
	V	69	Electra 225 Sedan
	X	69	Electra Ltd. Sedan
	X	69	Electra Limousine
X	C	17	Skylark 'SR' Hatchback Coupe
	B	17	Skylark Hatchback Coupe
	C	27	Skylark 'SR' Coupe
	W	27	Skylark 'S' Coupe
	B	27	Skylark Coupe
	C	69	Skylark 'SR' Sedan
	B	69	Skylark Sedan

Was page 20. Le Sabre Sport Coupe added by RC 73-39. Tune-up label OZ added. Format revised 110176. Funeral Coach & Limo models added by RC73-86 Rev. (1) on 022877.



OR
350CU.IN.
730M4AU

VEHICLE EMISSION CONTROL INFORMATION
GENERAL MOTORS CORPORATION

MAKE ADJUSTMENTS WITH ENGINE AT NORMAL OPERATING TEMPERATURE, CHOKE OPEN, AIR CLEANER REMOVED AND VACUUM SOURCE FROM CARBURETOR BASE TO AIR CLEANER PLUGGED.

SET PARKING BRAKE AND BLOCK DRIVE WHEELS

1. DISCONNECT AND PLUG CARBURETOR HOSES FROM VAPOR CANISTER, E.G.R. VALVE AND DISTRIBUTOR VACUUM UNIT.
2. SET TIMING AT SPECIFIED RPM, IN PARK.
3. ADJUST CARBURETOR IDLE SPEED SCREW TO SPECIFIED RPM, IN DRIVE.
4. ADJUST CARBURETOR FAST IDLE SPEED SCREW TO SPECIFIED RPM ON LOW STEP OF CAM, IN PARK.
5. ON AIR CONDITIONING CARS – AFTER COMPLETING ABOVE ADJUSTMENTS, DISCONNECT ELECTRICAL CONNECTOR AT A/C COMPRESSOR CLUTCH, TURN ON A/C AND ADJUST SOLENOID (ENERGIZED) SCREW TO SPECIFIED RPM, IN DRIVE.
6. RECONNECT ELECTRICAL CONNECTOR.
7. RECONNECT DISTRIBUTOR, CANISTER AND E.G.R. VALVE HOSES.

CATALYST-E.G.R.
LOW ALTITUDE CERTIFICATION

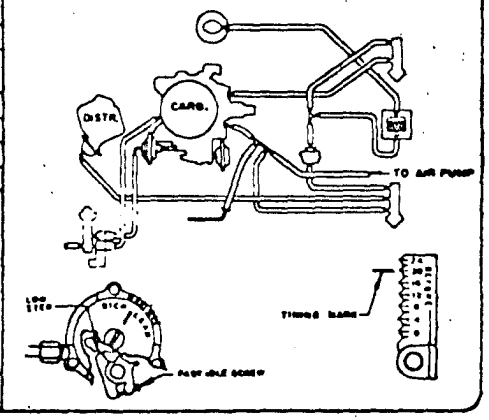
TIMING(DEG. BTDC @ RPM)		20°@1100(IN PARK)
SPARK PLUGS	GAP	.060 IN.
	TYPE	AC R46SZ
CARBURETOR SCREW(RPM)		550 (IN DRIVE)
FAST IDLE SCREW(RPM)		1000 (IN PARK)
SOLENOID SCREW(RPM)		650 (IN DRIVE)
CHOKE SETTING		2 N.R.

IDLE MIXTURE SCREWS ARE PRESET AND CAPPED AT FACTORY. DO NOT BREAK CAPS. ADJUSTMENT DURING TUNE-UP IS NOT RECOMMENDED.

FOR MAJOR REPAIR, ADJUSTING MIXTURE SETTING BY OTHER THAN APPROVED SERVICE PROCEDURE MAY VIOLATE FEDERAL AND/OR CALIFORNIA OR OTHER STATE LAWS.

SEE SERVICE MANUAL AND MAINTENANCE SCHEDULE II FOR ADDITIONAL INFORMATION.

VACUUM HOSE ROUTING



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THIS VEHICLE CONFORMS TO U.S. E.P.A. AND WHERE APPLICABLE CALIFORNIA, REGULATIONS APPLICABLE TO 1977 MODEL YEAR NEW MOTOR VEHICLES.

PART NO. 556546

OS
350 CU.IN.
730M4AU

VEHICLE EMISSION CONTROL INFORMATION
GENERAL MOTORS CORPORATION

MAKE ADJUSTMENTS WITH ENGINE AT NORMAL OPERATING TEMPERATURE, CHOKE OPEN, AIR CLEANER REMOVED AND VACUUM SOURCE FROM CARBURETOR BASE TO AIR CLEANER PLUGGED.

SET PARKING BRAKE AND BLOCK DRIVE WHEELS

1. DISCONNECT AND PLUG CARBURETOR HOSES FROM VAPOR CANISTER, E.G.R. VALVE AND DISTRIBUTOR VACUUM UNIT.
2. SET TIMING AT SPECIFIED RPM, IN PARK.
3. ADJUST CARBURETOR IDLE SPEED SCREW TO SPECIFIED RPM, IN DRIVE.
4. ADJUST CARBURETOR FAST IDLE SPEED SCREW TO SPECIFIED RPM ON LOW STEP OF CAM, IN PARK.
5. ON AIR CONDITIONING CARS – AFTER COMPLETING ABOVE ADJUSTMENTS, DISCONNECT ELECTRICAL CONNECTOR AT A/C COMPRESSOR CLUTCH, TURN ON A/C AND ADJUST SOLENOID (ENERGIZED) SCREW TO SPECIFIED RPM, IN DRIVE.
6. RECONNECT ELECTRICAL CONNEOTOR.
7. RECONNECT DISTRIBUTOR, CANISTER AND E.G.R. VALVE HOSES.

CATALYST-E.G.R.
LOW ALTITUDE CERTIFICATION

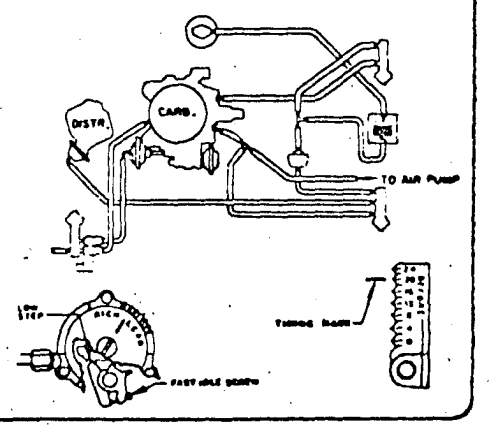
TIMING(DEG. BTDC @ RPM)		20°@1100(IN PARK)
SPARK PLUGS	GAP	.060 IN.
	TYPE	AC R46SZ
CARBURETOR SCREW(RPM)		550 (IN DRIVE)
FAST IDLE SCREW(RPM)		1000 (IN PARK)
SOLENOID SCREW(RPM)		650 (IN DRIVE)
CHOKE SETTING		2 N.R.

IDLE MIXTURE SCREWS ARE PRESET AND CAPPED AT FACTORY. DO NOT BREAK CAPS. ADJUSTMENT DURING TUNE-UP IS NOT RECOMMENDED.

FOR MAJOR REPAIR, ADJUSTING MIXTURE SETTING BY OTHER THAN APPROVED SERVICE PROCEDURE MAY VIOLATE FEDERAL AND/OR CALIFORNIA OR OTHER STATE LAWS.

SEE SERVICE MANUAL AND MAINTENANCE SCHEDULE II FOR ADDITIONAL INFORMATION.

VACUUM HOSE ROUTING



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THIS VEHICLE CONFORMS TO U.S. E.P.A. AND WHERE APPLICABLE CALIFORNIA, REGULATIONS APPLICABLE TO 1977 MODEL YEAR NEW MOTOR VEHICLES.

PART NO. 557309

Label Location

Models with A/C on fan shroud - Models without A/C on RH filler plate
"F" Bodies - Center left side of radiator support baffle.
"G" Bodies - Right hand side of radiator support baffle.

Was page 16; engine code references removed 110176.

OT
403 CU.IN.
730M4AU

VEHICLE EMISSION CONTROL INFORMATION
GENERAL MOTORS CORPORATION

MAKE ADJUSTMENTS WITH ENGINE AT NORMAL OPERATING TEMPERATURE, CHOKE OPEN, AIR CLEANER REMOVED AND VACUUM SOURCE FROM CARBURETOR BASE TO AIR CLEANER PLUGGED.

SET PARKING BRAKE AND BLOCK DRIVE WHEELS

1. DISCONNECT AND PLUG CARBURETOR HOSES FROM VAPOR CANISTER, E.G.R. VALVE AND DISTRIBUTOR VACUUM UNIT.
2. SET TIMING AT SPECIFIED RPM, IN PARK.
3. ADJUST CARBURETOR IDLE SPEED SCREW TO SPECIFIED RPM, IN DRIVE.
4. ADJUST CARBURETOR FAST IDLE SPEED SCREW TO SPECIFIED RPM ON LOW STEP OF CAM, IN PARK.
5. ON AIR CONDITIONING CARS - AFTER COMPLETING ABOVE ADJUSTMENTS, DISCONNECT ELECTRICAL CONNECTOR AT A/C COMPRESSOR CLUTCH, TURN ON A/C AND ADJUST SOLENOID (ENERGIZED) SCREW TO SPECIFIED RPM, IN DRIVE.
6. RECONNECT ELECTRICAL CONNECTOR.
7. RECONNECT DISTRIBUTOR, CANISTER AND E.G.R. VALVE HOSES.

CATALYST-E.G.R.
LOW ALTITUDE CERTIFICATION

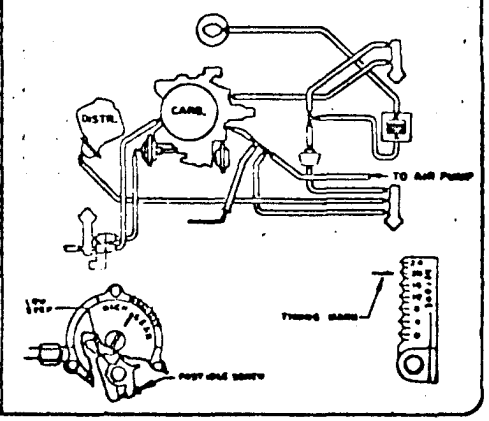
TIMING (DEG. BTDC @ RPM)		20° @ 1100 (IN PARK)
SPARK PLUGS	GAP	.060 IN.
	TYPE	AC R46SZ
CARBURETOR SCREW (RPM)		550 (IN DRIVE)
FAST IDLE SCREW (RPM)		1000 (IN PARK)
SOLENOID SCREW (RPM)		650 (IN DRIVE)
CHOKE SETTING		2 N.R.

IDLE MIXTURE SCREWS ARE PRESET AND CAPPED AT FACTORY. DO NOT BREAK CAPS. ADJUSTMENT DURING TUNE-UP IS NOT RECOMMENDED.

FOR MAJOR REPAIR, ADJUSTING MIXTURE SETTING BY OTHER THAN APPROVED SERVICE PROCEDURE MAY VIOLATE FEDERAL AND/OR CALIFORNIA OR OTHER STATE LAWS.

SEE SERVICE MANUAL AND MAINTENANCE SCHEDULE II FOR ADDITIONAL INFORMATION.

VACUUM HOSE ROUTING



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PART NO. 556549

OU
403 CU.IN.
730M4AU

VEHICLE EMISSION CONTROL INFORMATION
GENERAL MOTORS CORPORATION

MAKE ADJUSTMENTS WITH ENGINE AT NORMAL OPERATING TEMPERATURE, CHOKE OPEN, AIR CLEANER REMOVED AND VACUUM SOURCE FROM CARBURETOR BASE TO AIR CLEANER PLUGGED.

SET PARKING BRAKE AND BLOCK DRIVE WHEELS

1. GROUND CONTROLLER (PROCESSOR) REFERENCE MODE TIMING LEAD (PURPLE WIRE UNDER DASH) TO BODY WITH JUMPER WIRE.
2. SET TIMING WITH ENGINE IDLING, IN PARK BY ADJUSTING CRANKSHAFT SENSOR. DO NOT ROTATE DISTRIBUTOR
3. DISCONNECT JUMPER WIRE.
4. DISCONNECT AND PLUG CARBURETOR HOSES FROM VAPOR CANISTER AND E.G.R. VALVE.
5. ADJUST CARBURETOR IDLE SPEED SCREW TO SPECIFIED RPM, IN DRIVE.
6. ADJUST CARBURETOR FAST IDLE SPEED SCREW TO SPECIFIED RPM ON LOW STEP OF CAM, IN PARK.
7. AFTER COMPLETING ABOVE ADJUSTMENTS, DISCONNECT ELECTRICAL CONNECTOR AT A/C COMPRESSOR CLUTCH, TURN ON A/C AND ADJUST SOLENOID (ENERGIZED) SCREW TO SPECIFIED RPM, IN DRIVE.
8. RECONNECT ELECTRICAL CONNECTOR.
9. RECONNECT CANISTER AND E.G.R. VALVE HOSES.

CATALYST-E.G.R.
LOW ALTITUDE CERTIFICATION

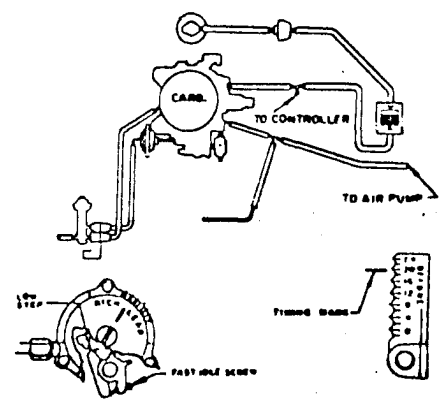
TIMING		20° BTDC (IN PARK)
SPARK PLUGS	GAP	.060 IN.
	TYPE	AC R46SZ
CARBURETOR SCREW (RPM)		600 (IN DRIVE)
FAST IDLE SCREW (RPM)		1400 (IN PARK)
SOLENOID SCREW (RPM)		650 (IN DRIVE)
CHOKE SETTING		2 N.R.

IDLE MIXTURE SCREWS ARE PRESET AND CAPPED AT FACTORY. DO NOT BREAK CAPS. ADJUSTMENT DURING TUNE-UP IS NOT RECOMMENDED.

FOR MAJOR REPAIR, ADJUSTING MIXTURE SETTING BY OTHER THAN APPROVED SERVICE PROCEDURE MAY VIOLATE FEDERAL AND/OR CALIFORNIA OR OTHER STATE LAWS.

SEE SERVICE MANUAL AND MAINTENANCE SCHEDULE II FOR ADDITIONAL INFORMATION.

VACUUM HOSE ROUTING



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PART NO. 556522

Label Location

Models with A/C on fan shroud - Models without A/C on RH filler plate
"E" Bodies - on RH filler plate; "F" Bodies - [illegible]ter left side of radiator support baffle;
"G" Bodies - right hand side of radiator support baffle

Was page 17; engine code references removed 110176.

SC
403 CU.IN.
730M4AU

VEHICLE EMISSION CONTROL INFORMATION
GENERAL MOTORS CORPORATION

MAKE ADJUSTMENTS WITH ENGINE AT NORMAL OPERATING TEMPERATURE, CHOKE OPEN, AIR CLEANER REMOVED AND VACUUM SOURCE FROM CARBURETOR BASE TO AIR CLEANER PLUGGED.

SET PARKING BRAKE AND BLOCK DRIVE WHEELS

1. DISCONNECT AND PLUG CARBURETOR HOSES FROM VAPOR CANISTER, E.G.R VALVE AND DISTRIBUTOR VACUUM UNIT.
2. SET TIMING AT SPECIFIED RPM, IN PARK.
3. ADJUST CARBURETOR IDLE SPEED SCREW TO SPECIFIED RPM IN DRIVE.
4. ADJUST CARBURETOR FAST IDLE SPEED SCREW TO SPECIFIED RPM ON LOW STEP OF CAM, IN PARK.
5. ON AIR CONDITIONING CARS – AFTER COMPLETING ABOVE ADJUSTMENTS, DISCONNECT ELECTRICAL CONNECTOR AT A/C COMPRESSOR CLUTCH, TURN ON A/C AND ADJUST SOLENOID (ENERGIZED) SCREW TO SPECIFIED RPM, IN DRIVE.
6. RECONNECT ELECTRICAL CONNECTOR.
7. RECONNECT DISTRIBUTOR CANISTER AND E.G.R. VALVE HOSES.

CATALYST-E.G.R.
LOW ALTITUDE CERTIFICATION

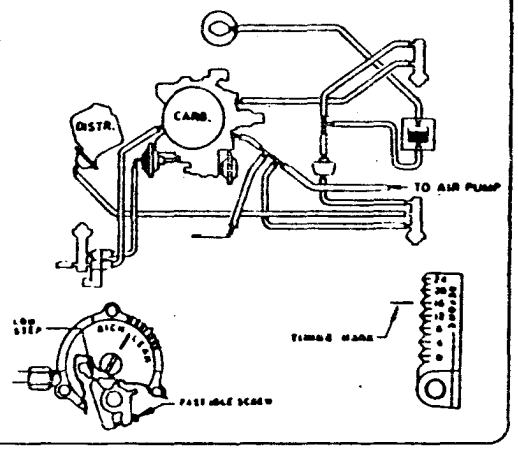
TIMING (DEG. BTDC @ RPM)		16° @ 1100 (IN PARK)
SPARK PLUGS	GAP	.060 IN.
	TYPE	AC R46SZ
CARBURETOR SCREW (RPM)		550 (IN DRIVE)
FAST IDLE SCREW (RPM)		1000 (IN PARK)
SOLENOID SCREW (RPM)		650 (IN DRIVE)
CHOKE SETTING		2 N.R.

IDLE MIXTURE SCREWS ARE PRESET AND CAPPED AT FACTORY. DO NOT BREAK CAPS. ADJUSTMENT DURING TUNE-UP IS NOT RECOMMENDED.

FOR MAJOR REPAIR, ADJUSTING MIXTURE SETTING BY OTHER THAN APPROVED SERVICE PROCEDURE MAY VIOLATE FEDERAL AND/OR CALIFORNIA OR OTHER STATE LAWS.

SEE SERVICE MANUAL AND MAINTENANCE SCHEDULE II FOR ADDITIONAL INFORMATION.

VACUUM HOSE ROUTING



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SD
350 CU.IN.
730M4AU

VEHICLE EMISSION CONTROL INFORMATION
GENERAL MOTORS CORPORATION

MAKE ADJUSTMENTS WITH ENGINE AT NORMAL OPERATING TEMPERATURE, CHOKE OPEN, AIR CLEANER REMOVED AND VACUUM SOURCE FROM CARBURETOR BASE TO AIR CLEANER PLUGGED.

SET PARKING BRAKE AND BLOCK DRIVE WHEELS

1. DISCONNECT AND PLUG CARBURETOR HOSES FROM VAPOR CANISTER, E.G.R VALVE AND DISTRIBUTOR VACUUM UNIT.
2. SET TIMING AT SPECIFIED RPM, IN PARK.
3. ADJUST CARBURETOR IDLE SPEED SCREW TO SPECIFIED RPM IN DRIVE.
4. ADJUST CARBURETOR FAST IDLE SPEED SCREW TO SPECIFIED RPM ON LOW STEP OF CAM, IN PARK.
5. ON AIR CONDITIONING CARS – AFTER COMPLETING ABOVE ADJUSTMENTS, DISCONNECT ELECTRICAL CONNECTOR AT A/C COMPRESSOR CLUTCH, TURN ON A/C AND ADJUST SOLENOID (ENERGIZED) SCREW TO SPECIFIED RPM, IN DRIVE.
6. RECONNECT ELECTRICAL CONNECTOR.
7. RECONNECT DISTRIBUTOR CANISTER AND E.G.R. VALVE HOSES.

CATALYST-E.G.R.
LOW ALTITUDE CERTIFICATION

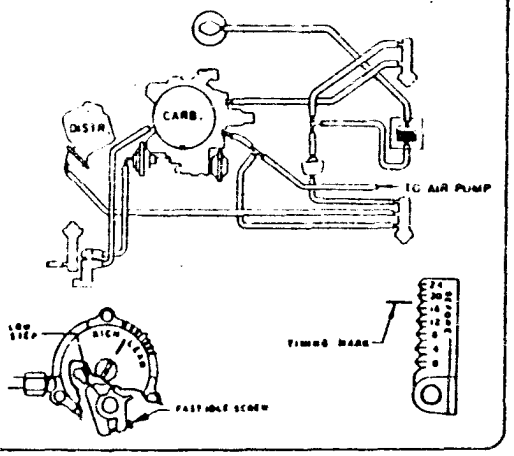
TIMING (DEG. BTDC @ RPM)		18° @ 1100 (IN PARK)
SPARK PLUGS	GAP	.060 IN.
	TYPE	AC R46SZ
CARBURETOR SCREW (RPM)		550 (IN DRIVE)
FAST IDLE SCREW (RPM)		1000 (IN PARK)
SOLENOID SCREW (RPM)		650 (IN DRIVE)
CHOKE SETTING		2 N.R.

IDLE MIXTURE SCREWS ARE PRESET AND CAPPED AT FACTORY. DO NOT BREAK CAPS. ADJUSTMENT DURING TUNE-UP IS NOT RECOMMENDED.

FOR MAJOR REPAIR, ADJUSTING MIXTURE SETTING BY OTHER THAN APPROVED SERVICE PROCEDURE MAY VIOLATE FEDERAL AND/OR CALIFORNIA OR OTHER STATE LAWS.

SEE SERVICE MANUAL AND MAINTENANCE SCHEDULE II FOR ADDITIONAL INFORMATION.

VACUUM HOSE ROUTING



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SC & SD tune-up labels added 110176.

SF 403CU.IN. 730M4AU	VEHICLE EMISSION CONTROL INFORMATION GENERAL MOTORS CORPORATION	CATALYST-E.G.R. LOW ALTITUDE CERTIFICATION	VACUUM HOSE ROUTING

MAKE ADJUSTMENTS WITH ENGINE AT NORMAL OPERATING TEMPERATURE, CHOKE OPEN, AIR CLEANER REMOVED AND VACUUM SOURCE FROM CARBURETOR BASE TO AIR CLEANER PLUGGED.

SET PARKING BRAKE AND BLOCK DRIVE WHEELS

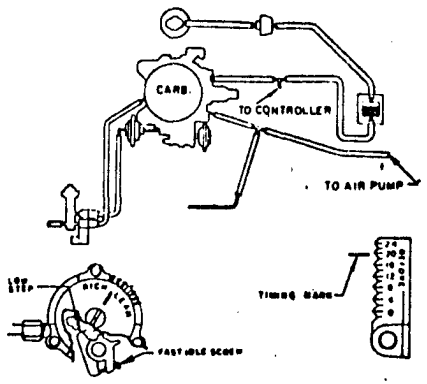
1. GROUND CONTROLLER (PROCESSOR) REFERENCE MODE TIMING LEAD (PURPLE WIRE UNDER DASH) TO BODY WITH JUMPER WIRE.
2. SET TIMING WITH ENGINE IDLING, IN PARK BY ADJUSTING CRANKSHAFT SENSOR. DO NOT ROTATE DISTRIBUTOR
3. DISCONNECT JUMPER WIRE.
4. DISCONNECT AND PLUG CARBURETOR HOSES FROM VAPOR CANISTER AND E.G.R. VALVE.
5. ADJUST CARBURETOR IDLE SPEED SCREW TO SPECIFIED RPM, IN DRIVE.
6. ADJUST CARBURETOR FAST IDLE SPEED SCREW TO SPECIFIED RPM ON LOW STEP OF CAM, IN PARK.
7. AFTER COMPLETING ABOVE ADJUSTMENTS, DISCONNECT ELECTRICAL CONNECTOR AT A/C COMPRESSOR CLUTCH, TURN ON A/C AND ADJUST SOLENOID (ENERGIZED) SCREW TO SPECIFIED RPM, IN DRIVE.
8. RECONNECT ELECTRICAL CONNECTOR.
9. RECONNECT CANISTER AND E.G.R. VALVE HOSES.

TIMING	20° BTDC (IN PARK)
SPARK PLUGS GAP	.060 IN.
SPARK PLUGS TYPE	AC R46SZ
CARBURETOR SCREW (RPM)	600 (IN DRIVE)
FAST IDLE SCREW (RPM)	1000 (IN PARK)
SOLENOID SCREW (RPM)	650 (IN DRIVE)
CHOKE SETTING	2 N.R.

IDLE MIXTURE SCREWS ARE PRESET AND CAPPED AT FACTORY. DO NOT BREAK CAPS. ADJUSTMENT DURING TUNE-UPS NOT RECOMMENDED.

FOR MAJOR REPAIR, ADJUSTING MIXTURE SETTING BY OTHER THAN APPROVED SERVICE PROCEDURE MAY VIOLATE FEDERAL AND/OR CALIFORNIA OR OTHER STATE LAWS.

SEE SERVICE MANUAL AND MAINTENANCE SCHEDULE II FOR ADDITIONAL INFORMATION.



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Label SF added by RC 73-81 on 010577