

INSTALLATION of the MILEAGE Enhancer
Please read and follow these instructions carefully.

You must have and be able to use a multi-meter that can read voltage of 1 up to 12 volts DC

Mount the Mileage Enhancer Controller with tie straps to an existing wiring harness along the top of the firewall in the engine compartment.

Locate your MAF (Mass Air flow) sensor. MAF sensors are always mounted on the air intake of the engine between the throttle body (where the throttle position sensor and throttle cable is located) and after the air filter. If you do not have a MAF sensor, then locate your MAP (Manifold Absolute Pressure) Sensor. (using the MAP sensor will give fair results, however, If you are using a "Scan Gauge" or other tool including an on board MPG sensor to monitor your MPG, a false reading may occur, being off as much as 20%) When you manually adjust any of these sensors only true MPG is filling up to fill up from the same pump.

If you have any doubt as to the sensors' locations, refer to your automotive manual or ask your parts store clerk to show you what your vehicle's sensors look like. Most part stores even have pictorials that can help you locate your sensors. "AutoZone" seems to be the most helpful for this.

Once you have located your MAP or MAF sensor, you will need to identify the wire carrying the sensor signal back to the ECM (your car's computer). With the ground lead of your Voltage Ohm Meter properly grounded, start the engine and probe thru the plastic wire insulation of the sensor's wiring with the positive lead to find the correct wire. Normally there will be 3 wires 1 will be ground -, 1 will be 5 volt +, and one will be 0 to 5 volts that fluctuates. Once you have located this wire, rev the engine to see if the voltage changes drastically. The wire that reacts up and down in voltage to the engine revving will be the one you will need to cut in next step.

Now that you have located the correct (signal) wire, you will cut this wire into two pieces, leaving enough room on either side of the cut to splice into. Find the GRAY insulated wires from the Mileage Enhancer and connect the 2 wires from the gray wire, connecting 1 wire to each of the ends you just created from cutting the wire using crimp type butt connectors. There is no proper order of this SERIES CIRCUIT connection since you are simply rerouting the connection to the Mileage Enhancer.

Now locate your IAT (Intake Air Temperature) sensor. Again, not all vehicles will have this sensor, but most do. This time you will be using the Red/Black insulated wires from the Mileage Enhancer. Spread the 2 wires from the IAT apart so you have some room and use Wire TAP terminals to connect 1 wire to each of the IAT wires. As with the MAP or MAF, there is no proper order here. This time you are NOT cutting any wire, just tapping on to both of them to create a PARALLEL CIRCUIT with the IAT sensor.

What is this doing? You are sending the signals from the sensors to the Controller where the voltage is changed and then sent back down the vehicle's wiring harness that goes back to the ECM.

Make sure you have secured your control leads so that they do not hang down near or touch any hot surfaces or can become tangled in the throttle linkage or other moving parts.

The "Mileage Enhancer" will allow you to manipulate the ECM (Electric Control Module/Computer) of your vehicle into thinking that less fuel is needed for the operation of the engine.

There are three different sensors that can be manipulated to achieve this, the MAP (Manifold Absolute Pressure) or the MAF (Mass Air Flow) sensor and the IAT (intake Air temperature) The Mileage Enhancer is a voltage attenuator and will NOT work on sensors that use frequency variables. If when testing the MAP or MAF sensor, you can see the voltage change on the signal wire from the sensor to the computer when the RPM's are increased, then the Mileage Enhancer will work. Our Enhancer will work on most OBDII vehicles.

On most vehicles we have found that the IAT is the best sensor to use to lean the air/fuel ratio. This is because if the sensor sees the incoming air as 80 deg F the engine computer will adjust the ratio to that air density, but if you tell the engine computer that the incoming air is 200+ deg F, then the air density will appear lower and the engine computer leans the ratio down.

HHO Saves Gas has given you even more control by giving you the Map/Maf and IAT Enhancer all in one package.

If your vehicle has both a MAP and MAF sensors you will chose to control the MAF sensor for best results if the voltage fluctuation can be measured as stated above. The objective is to reduce the signal voltage to the ECM in an amount large enough to reduce the amount of fuel to the engine without reducing drivability or causing the engine to labor, which will offset your attempts to increase your economy. The MAF or MAP Enhancer MUST BE connected in a SERIES CIRCUIT with the signal wire to the computer. The IAT Enhancer MUST BE connected in a PARALLEL CIRCUIT with the IAT sensor wiring at the sensor.

Additionally, past experiments have shown that by disconnecting your Oxygen Sensors, greater control over the air/fuel mix can be had, but at a price. Without the O2 sensor connected, you lose various safeguards that help keep the engine from having a 'lean-burn' condition. In addition, you'll have a "check engine light" with which to contend with.

Another solution would be to reset your computer after installation. If you're not sure how to do this, take the easy way out and simply disconnect your vehicle's battery the night after you install the Mileage Enhancer. In the morning, you may reconnect the battery and start fresh, allowing in some cases as many as 300 miles before your ECU settles down and starts to operate the way you need it to. (this is generalized due to the many number of computers used in today's vehicles, some reset immediately while others are not so 'fun' and require much patience)

Controls of the "Mileage Enhancer":

The console consists of 2 screw type adjusters accessible through holes in its housing. Full counterclockwise is off for both knobs, which are putting your vehicle, back to stock settings. Adjustments can be made while the engine is running and the vehicle is in motion or parked.

How to adjust the "Mileage Enhancer"

With the screws in the farthest counterclockwise position, start and warm your vehicle for 5 minutes. Once the vehicle is warmed, bring the rpm up to approximately 1000 rpm and begin turning the

MAP/MAF screw clockwise slowly until you feel the engine gain rpm slightly, then a little farther when the engine will shudder slightly. Once you have found this point, take the vehicle for a drive in a low traffic area to observe how it responds. If additional power is needed, slowly turn the screw in the opposite direction, in small increments, testing after each adjustment, from a dead stop, until the desired performance level is found. Normal engine computer will take 3 to 7 seconds to respond to an adjustment.

Intake Air Temperature adjustment

If you have a scan gauge and you can view this sensor reading, set it at approximately 200 deg F or more for best MPG.

By experimenting with these adjustments you can get the best MPG possible for your driving conditions. On flat roads you can lean the ratios down to 19.5-to1 air/fuel mixture ratios with no problems. If in town a 16 or 17 to 1 ratio is best due to stop and start driving. Most vehicles are set to run at a 14.7 to 1 ratio. That way anyone at any altitude, whether at the top of Pikes Peak or in Death Valley can easily start a vehicle and drive off. But there is a big area in between that does not require that 14.7 to 1 ratio. HHO Saves Gas is allowing you to find these ratios and gain that MPG back that the car manufacturers have taken away from you!

SAFTEY FIRST – This unit creates FLAMMABLE GAS and will ignite if exposed to a flame source

Installation Instructions:

1. The first thing to do is make sure your O2 Sensors are covered with Aluminum Foil. (put the foil around them 3 or 4 times and secure with a small piece of wire) The sensors are located on the exhaust manifold and exhaust pipes. You need only cover the ones before the Catalytic converter. Some vehicles have 2, 3 and even 4. Look for what appears to be a spark plug with wires coming out of it. *Don't remove it just cover it with the foil.* On some cars in order to gain the best possible mileage a MAP Enhancer and or Electronic Fuel Injection Enhancer (EFIE's) may be necessary – they can be ordered call for more info. If they are provided with the unit then follow the instruction given.

The reason for this is when the HHO Generator is in operation under normal conditions the O2 sensor will send a signal to the vehicle computer that the engine is running too lean and result in the computer sending more fuel to the engine. By covering the O2 sensors this keeps the sensor warm and tells the system that it is operating within parameters. The exhaust gases from the HHO Generator create more oxygen and burn cleaner than normal. Which is a good thing.

2. Find a place to secure the HHO Generator under the hood. Somewhere it will keep cool. In front of the radiator is a good location. Bungee it into place. **Installation in the passenger area or enclosed area of a vehicle is not recommended or approved.**
3. If the HHO unit is provided with a Pulse Modulated Wave Circuit follow the wiring diagram provided with the unit. (A 10 AMP fuse, fuse holder, wire and connectors are provided with this unit) Insure that the power is connected to an ignition circuit so power is provided only when the Vehicle is Running. You may have to purchase a relay switch to accomplish this. (Check with a Mechanic for help) **DO NOT OPERATE WITHOUT PROPER FUSE PROTECTION AND IGNITION ON ONLY POWER SETTING.** The proper setting on the PWM is about 40 to 50% power – and is preset before shipping. But, the control can be accessed to change the setting if needed. Do not turn the unit on full power as you will over heat the HHO unit and cause damage. Buy turning the PWM to a higher setting you can increase HHO production but, be watchful of any extra heat being generated by the unit and you may need to also increase the fuse size to a 15 or 20 AMP rating.
4. Fill the HHO Generator with Tap water (fill to about 3 inches down from the top of the brass filler top) (in winter months you can put 50% Windshield Washer Fluid and 50% water, to keep it from freezing). Connect the black and red wire to the HHO Unit.
5. Test the wiring to make sure the unit produces bubbles – its on. (You can remove the filler cap and observe tiny bubbles breaking the water surface)
6. Connect the Vacuum hose to a Vacuum line or manifold vacuum. Connecting to a break booster line is not recommended or advised.
7. With the unit on and engine running you now adjust the air bubbler (black screw on top of HHO) adjust the cap to allow a low to moderate flow of air into the unit but not so much as it causes foam at the top of the unit (the foam can be sucked into the vacuum line)
8. Check the unit often to insure it is not overheating. Check the unit at least once a week and add water. You can flush the unit at any time and add fresh water. You can add Critic Acid to the water (about 6 teaspoons) this will keep the water clean and reduce corrosion allowing the unit to operate longer. Flush and refill (Recommended once a month)

Not responsible for damage or injury resulting from improper installation or usage or owner/installer modification not approved by LTD Enterprises. Use at your own risk.

A properly installed HHO Generator can improve gas and diesel mileage by as much as 100% and more. Realistically most average units in cars and trucks will produce 25% and up in fuel savings.

Notes:

LTD Enterprises guarantees its products to be free from defects and will replace any product which within 30 days fails to operate properly. LTD Enterprises also warrants that its product produces HHO Gas classified as Browns Gas or more commonly referred to as HHO.

Customer service inquiries must be directed to LTD Enterprises at support@water4gas.name or phone support at 815 765-1650.

Product returns must have a Return Authorization Number issued by LTD Enterprises after any and all attempts to correct the problem have been addressed. Faulty products will be replaced or credit issued at the discretion of LTD Enterprises.

Copyright 2008 LTD Enterprises – Product is Copyright and Patent Pending.

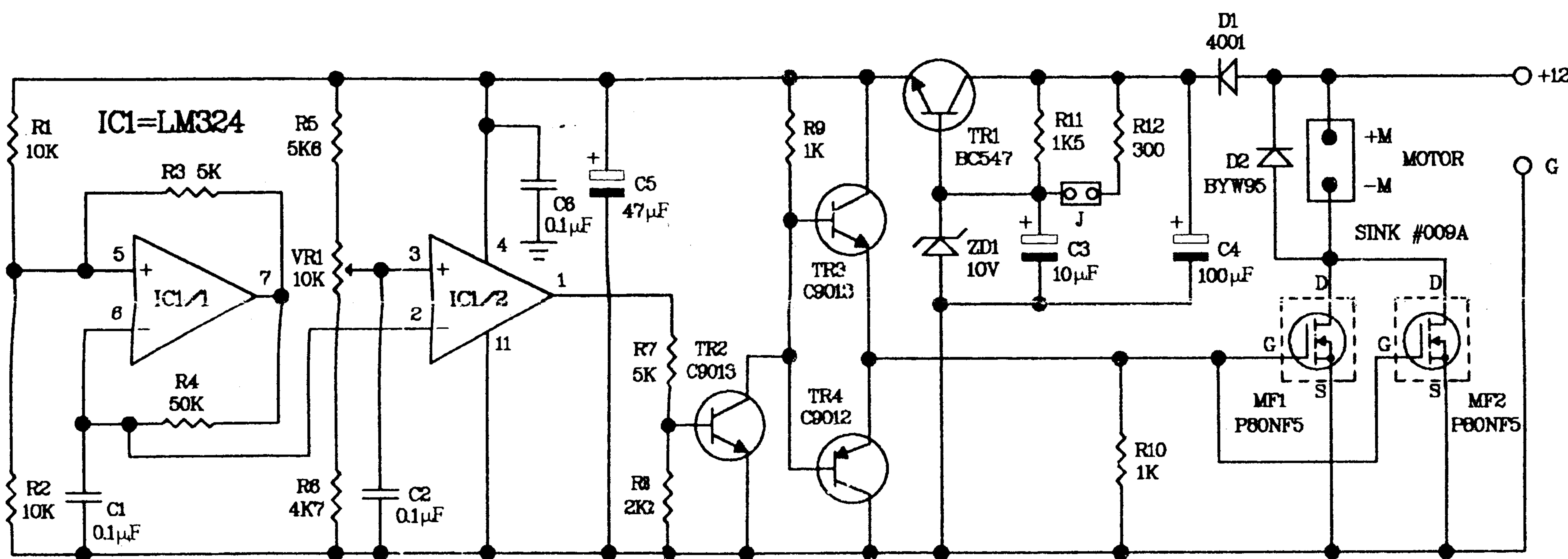
MX066 DC MOTOR SPEED CONTROL 30 AMP

TECHNICAL SPECIFICATIONS:

- Power supply : 12/24VDC.
- Load voltage : 12/24VDC. / 30A. max.
- Motor speed : Using PWM (Pulse With Modulation) principle for motor speed controlling.
- Output frequency : 100Hz.
- Can adjust the motor speed from 0% to 100%
- PCB dimensions : 3.85x1.59 in.

CONNECTING AND OTHER:

- Point +12V is to be connected to the positive pole of power supply 12VDC.
- Point +M is to be connected to the positive pole of DC motor.
- Point -M is to be connected to the negative pole of DC motor.
- Point G is to be connected to the negative pole of power supply.
- VR 10K is used for adjusting the speed of DC motor.
- J is used for selecting the power supply 12VDC or 24VDC for the DC motor.



CIRCUIT DIAGRAM

MX066 ควบคุมความเร็วมอเตอร์ 30 แอมป์

คุณสมบัติ:

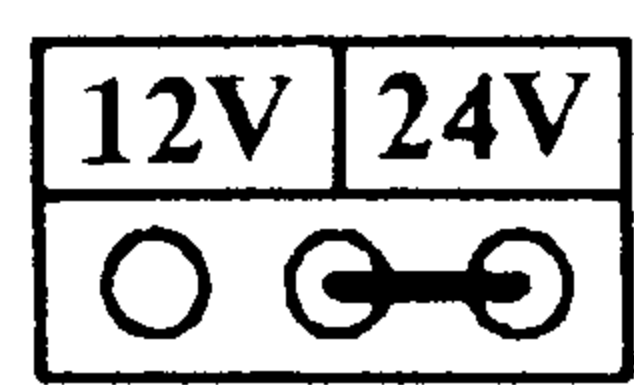
- ใช้ไฟเลี้ยงวงจร 12/24 โวลต์ดีซี (ขึ้นอยู่กับมอเตอร์)
- สามารถควบคุมมอเตอร์ดีซีขนาด 12/24 โวลต์ กระแสสูงสุด 30 แอมป์
- ใช้หลักการ PWM (Pulse With Modulation) ในการควบคุมความเร็วมอเตอร์
- ความถี่ทางด้านเอาต์พุต : 100 เฮิรตซ์
- สามารถปรับความเร็วมอเตอร์ได้ตั้งแต่ 0-100%
- ขนาดแผงวงจรพิมพ์ : 3.85x1.59 นิ้ว

จุดต่อใช้งานและอื่นๆ:

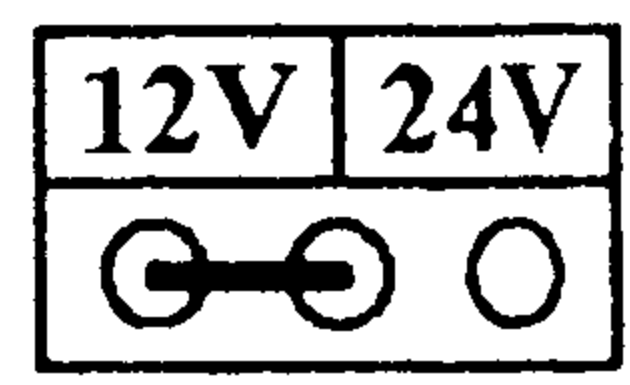
- จุด +12V เป็นจุดต่อไฟตรงขนาด 12 โวลต์ เพื่อนำไปเลี้ยงวงจรทั้งหมด
- จุด +M เป็นจุดต่อขั้วบวกของมอเตอร์
- จุด -M เป็นจุดต่อขั้วลบของมอเตอร์
- จุด G เป็นจุดต่อขั้วลบของแหล่งจ่ายไฟ
- VR 10K ใช้สำหรับปรับความเร็วมอเตอร์
- J1 มีไว้สำหรับเลือกไฟที่ใช้กับมอเตอร์

SELECT JUMPER

Selecting the power supply for the DC electric motor.

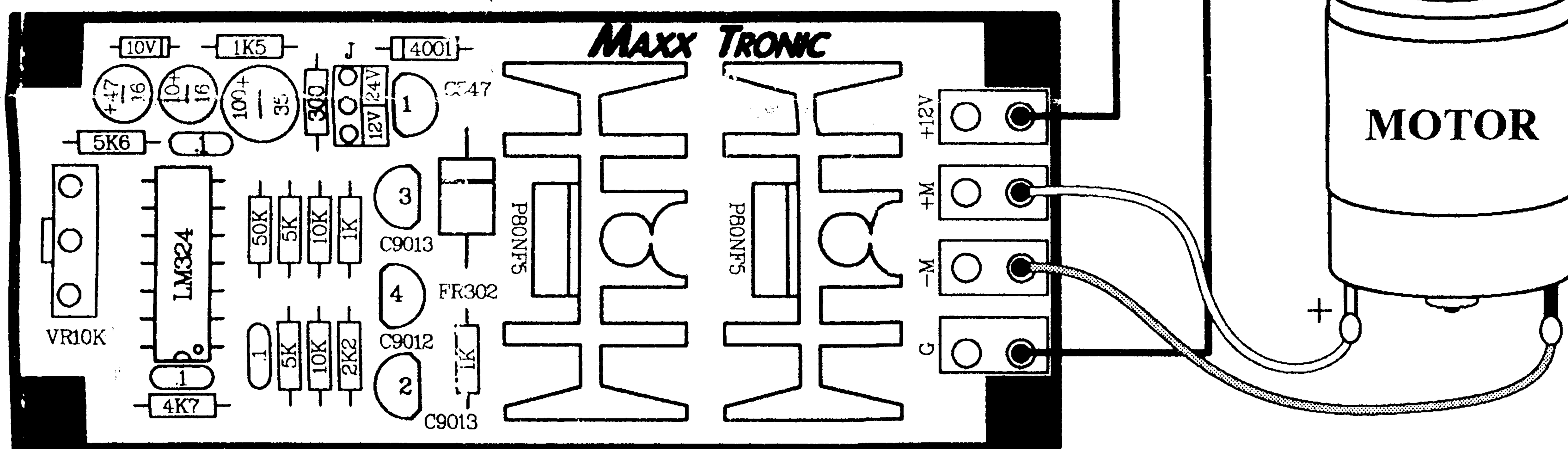


24VDC







12VDC

MX066-1



INSTALLATION

THE DC MOTOR SPEED CONTROL 30 AMP CIRCUIT

CODE	DESCRIPTION	OPERATING VOLTAGE	PRICE
MX001	SEVEN SEGMENT DISPLAY (3" ULTRA-BRIGHT LEDs) SC	12VDC.	210.-
MX002	SEVEN SEGMENT DISPLAY (5" ULTRA-BRIGHT LEDs) SC	12/24VDC.	410.-
MX003	SEVEN SEGMENT DISPLAY (7" ULTRA-BRIGHT LEDs) SC	12/24VDC.	750.-
MX004	SEVEN SEGMENT DISPLAY (9" ULTRA-BRIGHT LEDs) SC	12/24VDC.	930.-
MX005	SEVEN SEGMENT DISPLAY (12" ULTRA-BRIGHT LEDs) SC	12/24VDC.	-----
MX006	4 DIGIT SEVEN SEGMENT DISPLAY (3" ULTRA-BRIGHT LEDs) SC	12VDC.	790.-
MX007	SEVEN SEGMENT DRIVER	12-24VDC.	130.-
MX008	4 DIGIT SEVEN SEGMENT MULTIPLEX DRIVER	12VDC.	430.-
MX009	DIGITAL UP/DOWN COUNTER 1 DIGIT (WITH PRESET)	5-12VDC.	175.-
MX011	INFRARED SENSOR 30 FEET (TX/RX)	12VDC.	350.-
MX012	INFRARED SENSOR 80 FEET (TX/RX)	12VDC.	390.-
MX013	ENCODER/DECODER MODULE 10 CHANNEL (TX/RX)	6-12VDC.	470.-
MX014	INFRARED REMOTE SWITCH (FOR UNIVERSAL REMOTE)	110/220-240VAC.	350.-
MX015	UHF TX/RX MODULE	TX.9V/RX.12VDC	220.-
MX016	RELAY CARD 1 CH. (WITH TOGGLE MODE)	12VDC.	155.-
MX017	RELAY CARD 4 CH.	12VDC.	540.-
MX018	EMERGENCY LIGHT SYSTEM (FOR 12V 7A BATTERY)	12VDC.	430.-
MX019	DIGITAL TACHOMETER	12VDC.	730.-
MX020	TELEPHONE LINE REMOTE CONTROL 4 CH	12VDC.	1,200.-
MX021	PROGRAMMABLE TIMER (2 CH. 20 PROGRAMMABLE)	12VDC.	980.-
MX022	DIGITAL VOICE RECORD/PLAYBACK (20 SEC)	7-12VDC.	730.-
MX023	DIGITAL VOICE RECORDING 90 SEC.(6 CH. PROGRAMMABLE)	7-12VDC.	1,380.-
MX024	GAME TIMER SWITCH 0-99 SEC./MIN. (WITH TIME ADDING)	12VDC.	650.-
MX025	STOP-WATCH/DIGITAL CLOCK (4 DIGIT 3")	12VDC.	1,150.-
MX026	STOP-WATCH/DIGITAL CLOCK (6 DIGIT 60mm.)	12VDC.	1,350.-
MX027	ULTRASONIC SENSOR	12VDC.	790.-
MX028	HIGH-VOLTAGE DC GENERATOR	12VDC.	640.-
MX029	VOICE RECORDING ANNOUNCER 20 SEC. 15 W.(AUTOMATIC TIMER PLAYBACK)	12VDC.	1,250.-
MX031	DIGITAL PULSE CHARGER 0-4 A. (4-8 CELLS Ni-Cd)	12VDC.	430.-
MX032	UHF REMOTE CONTROL (2CH. TX-RX)	TX.9V/RX.12VDC.	740.-
MX033	DC MOTOR SPEED CONTROL(15A 12/24V.)	12/24VDC.	390.-
MX034	SEVEN SEGMENT DISPLAY 3"	12VDC.	135.-
MX035	SEVEN SEGMENT DISPLAY 5"	12/24VDC.	265.-
MX036	SEVEN SEGMENT DISPLAY 7"	12/24VDC.	480.-
MX037	SEVEN SEGMENT DISPLAY 9"	12/24VDC.	630.-
MX038	SEVEN SEGMENT DISPLAY 12"	12/24VDC.	-----
MX039	4 DIGIT SEVEN SEGMENT DISPLAY 3"	12VDC.	520.-
MX040	MOTORCYCLE BURGLAR ALARM	12VDC.	185.-
MX041	WINDSHIELD WIPER TIMER	12VDC.	185.-
MX042	FRAME DETECTOR CIRCUIT	12VDC.	320.-
MX043	MINI SURROUND SOUND 5 CH.	12VDC.	195.-
MX044	KARAOKE MIC MIXER 3 CH.	12VDC.	620.-
MX045	INFRARED REPEATER	12VDC.	240.-
MX046	DELAY OFF SWITCH 0-10 MIN.	110/220-240VAC.	195.-
MX047	HOME SECURITY SYSTEM (5 ZONE)	12-15VDC.	650.-
MX048	TELEPHONE SURGE PROTECTION	NO REQUIRE	75.-
MX049	NIGHT-ACTIVATE SWITCH (DELAY ON-OFF)	12VDC.	210.-
MX050	DC FLASHER 15A (MOSFET DRIVE)	12/24VDC.	195.-
MX051	FLUORESCENT LAMP DRIVER 12V. 10-40W.	9-14VDC.	245.-
MX052	DIGITAL TEMPERATURE CONTROL -20 TO 100°C	12VDC.	760.-
MX053	MINI PABX 1 LINE 4 PHONE	110/220-240VAC.	1,085.-
MX054	DIGITAL CODE SWITCH (1-10 DIGIT)	12VDC.	540.-
MX055	RUNNING LIGHT 4 CH. 4000W. 32 PROGRAMS (10 PROGRAMMABLE)	12VDC.	790.-
MX056	ELECTRONIC DIMMER 4,000 W.	110/220-240VAC.	650.-
MX057	SEALED LEAD-ACID BATTERY CHARGER 0-2A.	15VAC.	410.-
MX058	OPEN SIGNBOARD FLASHER 150 LED	220-240VAC.	510.-
MX059	VOLTAGE INVERTER 12VDC TO 110V/220VAC 200WATTS	12VDC.	565.-
MX060	KITCHEN TIMER 1-180 MINUTE	3-5VDC.	305.-
MX061	NIGHT ACTIVATE SWITCH WITH TIMER OFF 1-12 HOUR	9-12VDC.	395.-
MX062	DIGITAL TIMER 0-99 HOUR	9-12VDC.	495.-
MX063	PIR SENSOR LIGHT 	12VDC.	495.-
MX064	DIGITAL CLOCK WITH TIMER 10 PROGRAMMABLE 	12VDC.	525.-
MX065	TWO CHANNAL REMOTE CONTROL BY TELEPHONE 	12VDC.	649.-
MX066	DC MOTOR SPEED CONTROL 30 AMP 	12/24VDC.	485.-

(CODE190650) Price for Thailand market and VAT exclude.

รหัส	รายการ	ไฟเลี้ยงวงจร	ราคา
MX001	ตัวเลขจัมโบ้ 3 นิ้ว (LED อัลตราไวรท์) SC	12VDC.	210.-
MX002	ตัวเลขจัมโบ้ 5 นิ้ว (LED อัลตราไวรท์) SC	12/24VDC.	410.-
MX003	ตัวเลขจัมโบ้ 7 นิ้ว (LED อัลตราไวรท์) SC	12/24VDC.	750.-
MX004	ตัวเลขจัมโบ้ 9 นิ้ว (LED อัลตราไวรท์) SC	12/24VDC.	930.-
MX005	ตัวเลขจัมโบ้ 12 นิ้ว (LED อัลตราไวรท์) SC	12/24VDC.	—
MX006	ตัวเลขจัมโบ้ 3 นิ้ว 4 หลัก (LED อัลตราไวรท์) SC	12VDC.	790.-
MX007	วงจรรับตัวเลขจัมโบ้	12-24VDC.	130.-
MX008	วงจรรับตัวเลขจัมโบ้แบบมัลติเพล็กซ์ 4 หลัก	12VDC.	430.-
MX009	ดิจิตอลเคาท์เตอร์ 1 หลัก (ตั้งค่าเริ่มต้นได้)	5-12VDC.	175.-
MX011	อินฟาเรด เซ็นเซอร์ 30 ฟุต (ตัวรับ/ตัวส่ง)	12VDC.	350.-
MX012	อินฟาเรด เซ็นเซอร์ 80 ฟุต (ตัวรับ/ตัวส่ง)	12VDC.	390.-
MX013	วงจรเข้ารหัส ถอดรหัส 10 ช่อง	6-12VDC.	470.-
MX014	สวิตช์รีโมทอินฟาเรด (สำหรับรีโมททั่วไป)	110/220-240VAC.	350.-
MX015	วงจรรับ-ส่งใช้คลื่น UHF	TX.9V/RX.12VDC	220.-
MX016	รีเลย์การ์ด 1 ช่อง	12VDC.	155.-
MX017	รีเลย์การ์ด 4 ช่อง	12VDC.	540.-
MX018	วงจรไฟฉุกเฉิน (ใช้ไฟ 12 โวลท์ 7 แอมป์)	12VDC.	430.-
MX019	วงจรวัดความเร็วรอบดิจิตอล	12VDC.	730.-
MX020	วงจรวัดชั่วโมงงานทางโทรศัพท์ 4 ช่อง	12VDC.	1,200.-
MX021	นาฬิกาโปรแกรมเวลา 2 ช่อง 20 โปรแกรม	12VDC.	980.-
MX022	วงจรมันท์กเสียงระบบดิจิตอล (20 วินาที)	7-12VDC.	730.-
MX023	วงจรมันท์กเสียงระบบดิจิตอล 90 วินาที (6 โปรแกรม)	7-12VDC.	1,380.-
MX024	สวิตช์ตั้งเวลาตุ้เกมส์ 0-99 นาที (บวกเวลาได้)	12VDC.	650.-
MX025	นาฬิกา/จับเวลา 4 หลัก 3 นิ้ว	12VDC.	1,150.-
MX026	นาฬิกา/จับเวลา 6 หลัก 60 มม.	12VDC.	1,350.-
MX027	เซ็นเซอร์เอนกประสงค์ระบบอัลตราโซนิก	12VDC.	790.-
MX028	วงจรถ่ายรูปไฟสูง	12VDC.	640.-
MX029	เครื่องช่วยประชาสัมพันธ์	12VDC.	1,250.-
MX031	ดิจิตอลพัลส์ซาร์จเจอร์ 0-4 แอมป์	12VDC.	430.-
MX032	รีโมทคอนโทรลย่าน UHF 2 ช่อง	TX.9V/RX.12VDC.	740.-
MX033	ควบคุมความเร็วมอเตอร์ DC 15A	12/24VDC.	390.-
MX034	ตัวเลขจัมโบ้ 3 นิ้ว	12VDC.	135.-
MX035	ตัวเลขจัมโบ้ 5 นิ้ว	12/24VDC.	265.-
MX036	ตัวเลขจัมโบ้ 7 นิ้ว	12/24VDC.	480.-
MX037	ตัวเลขจัมโบ้ 9 นิ้ว	12/24VDC.	630.-
MX038	ตัวเลขจัมโบ้ 12 นิ้ว	12/24VDC.	—
MX039	ตัวเลขจัมโบ้ 3 นิ้ว 4 หลัก	12VDC.	520.-
MX040	กันขโมยรถจักรยานยนต์	12VDC.	185.-
MX041	ตั้งเวลาที่ปิดน้ำฝน	12VDC.	185.-
MX042	ตรวจจับเปลวไฟ	12VDC.	320.-
MX043	มินิเซอร์วาร์ด 5 ช่อง	12VDC.	195.-
MX044	คาราโอเกะมิกเซอร์ 3 ช่อง	12VDC.	620.-
MX045	อินฟาเรดรีพรีเตอร์	12VDC.	240.-
MX046	สวิตช์หน่วงเวลาปิด 0-10 นาที	110/220-240VAC.	195.-
MX047	วงจรถักขโมย 4 โซน พร้อมโซนพิเศษ	12-15VDC.	650.-
MX048	ป้องกันโทรศัพท์จากไฟสูง	ไม่ใช้ไฟ	75.-
MX049	สวิตช์เปิดไฟกลางคืน (ระบบหน่วงเวลา เปิด-ปิด)	12VDC.	210.-
MX050	ไฟกระพริบ DC 15 แอมป์ (ใช้หลอดไฟ)	12/24VDC.	195.-
MX051	จุดหลอดฟลูออเรสเซนต์ 10-40 วัตต์	9-14VDC.	245.-
MX052	เครื่องวัดและควบคุมอุณหภูมิแบบดิจิตอล	12VDC.	760.-
MX053	เครื่องทวงโทรศัพท์ เข้า 1 จุด ออก 4 จุด	110/220-240VAC.	1,085.-
MX054	สวิตช์รหัสดิจิตอล (1-10 หลัก)	12VDC.	540.-
MX055	ไฟวิ่ง 32 โปรแกรม 4 ช่อง 4000 วัตต์ (โปรแกรมเอง 10 โปรแกรม)	12VDC.	790.-
MX056	หรีไฟ 4,000 วัตต์	110/220-240VAC.	650.-
MX057	วงจรชาร์จแบตเตอรี่แบบแห้ง (SEALED LEAD-ACID) 6V/12V. 0-2A.	15VAC.	410.-
MX058	ไฟกระพริบ OPEN 220V LED 150 ดวง	220-240VAC.	510.-
MX059	อินเวอร์เตอร์ 12 โวลท์ เป็น 110/220 โวลท์ 200 วัตต์	12VDC.	565.-
MX060	ตั้งเวลาเตือน 1-180 นาที (ตั้งเวลาในครัว)	3-5VDC.	305.-
MX061	สวิตช์เปิดไฟกลางคืนพร้อมตั้งเวลาปิด 1-12 ชั่วโมง	9-12VDC.	395.-
MX062	สวิตช์ตั้งเวลา 0-99 ชั่วโมง	9-12VDC.	495.-
MX063	เปิดไฟอัตโนมัติตามทางเดิน 1-8 เมตร NEW	12VDC.	495.-
MX064	นาฬิกาดิจิตอล พร้อมตั้งเวลา 10 โปรแกรม NEW	12VDC.	525.-
MX065	สวิตช์สั่งงานทางโทรศัพท์ 2 ช่อง NEW	12VDC.	649.-
MX066	ควบคุมความเร็วมอเตอร์ 30 แอมป์ NEW	12/24VDC.	485.-

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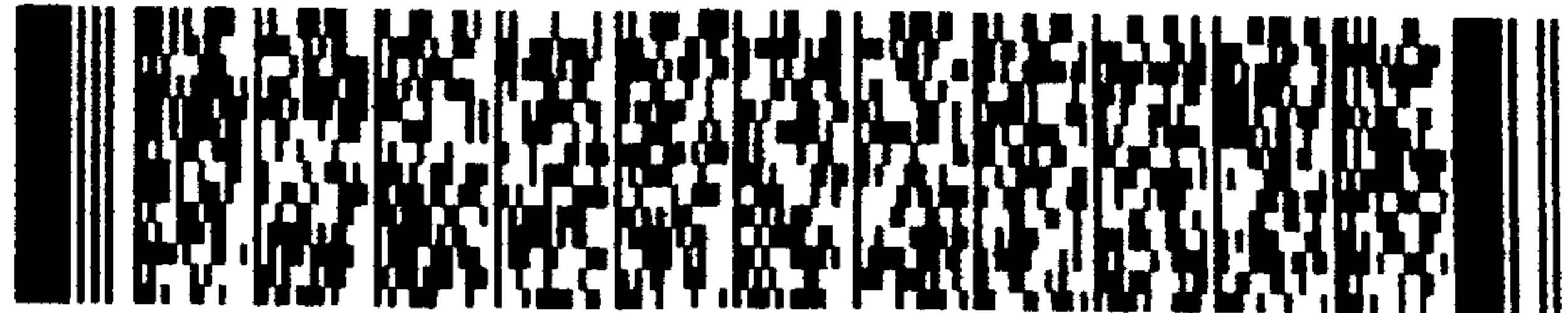
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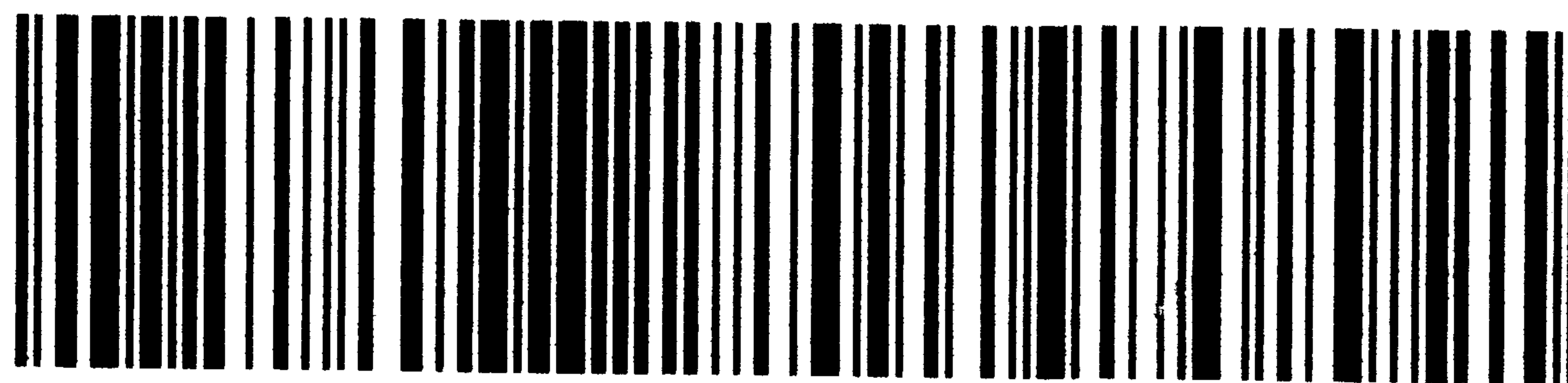
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