













**HOWARD**

# Owner's Manual & Parts List *for* HOWARD



 Rotavator	 Fertiliser Spreader	 Post-Hole Digger	 Multiset Grader
<b>Made in Malaysia</b>	 Rotaslasher	 Mulcher	 Levelling Bucket
	 Rollermower	 Rollerslasher	 Grass Collector

**HOWARD** Alatpertanian Sdn. Bhd.

2, Jalan Perusahaan Tiga, Batu 20, 48000 Rawang, Selangor Darul Ehsan, Malaysia.







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## SAFETY

In the Owner's Manual accompanying each machine manufactured by HOWARD Alatpertanian Sdn. Bhd., Malaysia, (HOWARD), Safety features and precautions to be taken when operating the various implements are duly described.

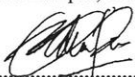
Some or all of the following information or warning labels are affixed to the machines.


Machine model	Label	Warning / Information
All	Model	Followed by model number embossed on the machine frame..
All	Serial No.	Followed by year of manufacture (alphabet code), and production serial number embossed on the machine frame.
All		<b>General warning that :</b> a) the machine may pose danger to operator and/or surroundings. b) such dangers are described with precautions to be taken in the accompanying Owner's Manual. c) HOWARD has sought to minimise such dangers in compliance with appropriate safety directives, and maintains technical records accordingly. Name and address of manufacturer (HOWARD) and year of manufacture. Beware of flying objects and stay clear of operating machine.
All		
All		
All		
All		
HR/HS/HFS/PHD/ HM/HRM/HSW/ HSC/HA/HMC/HTS		Affixed to rotating universal drive shaft (U/J) linking tractor with implement. Refer also to the safety and maintenance guidelines as described by the OEM U/J manufacturer supplied with each universal drive shaft.
HR/HS/PHD/ HM/HRM/HSC/ HA/HMC	Hot oil	Gearbox oil may become hot after continuous operation.
Various	Others	General informative or safety stickers as appropriate.

### DECLARATION OF CONFORMITY

We declare that HOWAD implements/machines have been manufactured in conformity with EU Council Directive 2006/42/EC - L 157.

Kuala Lumpur, Malaysia - 12<sup>th</sup> January 2010.

  
 .....  
 Mohd Rafi bin Jamlus  
 (Production Manager)

  
 .....  
 Balasubramaniam Vailu  
 (QA - Inspection)

  
 .....  
 Diana Bartolome  
 (ISO MR)

### HEALTH

The safety and health of operators and fitters is generally the responsibility of the owner of the machine. However, HOWARD has strived to design its implements so as to minimise risks.

Likewise, in the manufacturing process, employee safety and health is monitored in accordance with Malaysian law and HOWARD's internal production management systems.

### ENVIRONMENT

Environmental assesment is carried out on HOWARD's products and manufacturing processes, as described in the company's 9001 ISO management procedures.

### WARRANTY

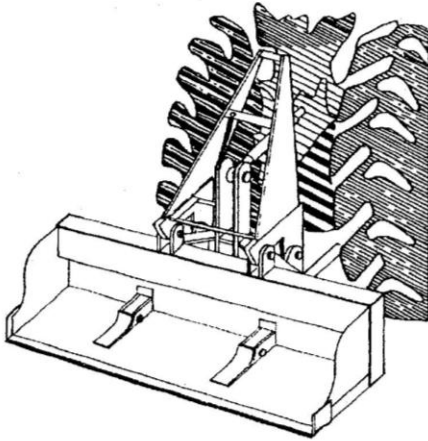
We undertake to supply , free of charge, new parts in place of parts which break or wear excessively through faulty material or bad workmanship within SIX months after delivery, provided such faulty parts are returned to us carriage paid, for examination. But we are not liable for labour, or any loss or damage direct or consequential, nor responsible for any accident, or in any way for the effect of any accident, whether due to defective material, workmanship or otherwise, and our guarantee does not apply to defects which in our opinion are caused by accident, wear or tear, misuse or neglect, including the use of unsuitable or dirty lubricants, or by interference with the construction of the machine as completed by us.

Your obligation as the Owner is to give the machine proper attention and care, in accordance with the guidelines given in this OWNER'S MANUAL PARTS LIST>

We reserve the right to make changes in design, and changes or improvements upon our product, without imposing any obligations on us to install the same on products there-to-fore manufactured.



## BUCKET HMB 210



### Serial number

The Serial and Model Numbers are stamped on the frame of your **HMB 210**.

For future reference record the numbers below.

**ALWAYS** quote them when ordering spareparts.

MODEL No. \_\_\_\_\_

SERIAL No. \_\_\_\_\_

Date Purchased \_\_\_\_\_

We hope you will be happy with your **HOWARD** Bucket HMB 210.

Treat it well - and it will serve you diligently for many years to come.

Should you encounter problems - or have questions in respect of road building or work site levelling - please feel free to contact us or consult our dealers.

### Notes:

- 1) Continuous R & D may result in the technical contents of this Manual not always being identical to the specifications for the latest model delivered. **HOWARD** in ASIA since 1962.
- 2) For more details and technical support, consult our web-page: [www.howardmy.com](http://www.howardmy.com)

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E-mail: [howardmy@tm.net.my](mailto:howardmy@tm.net.my)  
Spare Parts Direct Line: (6 03) 6093 6363

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**! SAFETY PRECAUTIONS & OPERATING INSTRUCTION !**

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**Before use**

- Ensure operators have read and are familiar with instructions contained in this manual.
- Consult the Tractor Manufacturer's Manual for instructions on mounting implements and safe working methods.
- Ensure the BUCKET is sitting on firm level ground.
- Ensure the BUCKET is set parallel to the ground, when looking from the back - this is to ensure horizontal levelling is achieved.
- Ensure the work area is clear of bystanders.
- Inspect the work area for obstructions which may constitute a hazard.
- Ensure that all bolts and nuts are tightened and that all hitch pins are properly secured before commencement of work.
- Disengage all clutches and shift into neutral prior to starting the tractor engine.

**During use**

- Lower the BUCKET onto the ground before reversing or moving forward at a speed suitable for prevailing conditions.  
  
As a general guide, the more unfavourable the conditions are, the SLOWER the tractor travelling speed should be.
- Observe all safe driving procedure such as reducing speed on slopes and sharp turns.
- Avoid working on ground where there is a risk of the tractor overturning.
- Do not operate across the face of slopes.
- DO NOT REVERSE the tractor when the BUCKET is in tilted/emptying position.
- When making sharp turns, while operating the BUCKET, ALWAYS lift the implement clear of the ground.
- Watch out for worn release clamps or spring which may cause hazards.

**After use**

- Ensure the Actuating Arm is in its clamping position and is securely clamped when transporting the BUCKET or not in use.
- Inspect the BUCKET for damage and change the worn out parts before commencing the next session of work.
- Check that all bolts, nuts and fasteners are tight.
- Clean the implement and lubricate all pivot points before storage.

## Always

- Wear substantial or safety footwear.
- Avoid loose clothing which may be caught in moving parts.
- Wear earmuffs or earplugs. Prolonged exposure to noise can cause impairment or loss of hearing.
- Wear gloves when handling worn implements or parts with sharp edges.
- Use the implement only for the purposes for which it was designed, tested and in accordance with the instructions contained in this manual.
- Ensure the BUCKET is not operated by children or untrained persons.

## NEVER

- Allow passengers on the tractor or implement when operating.
- Check oil levels whilst the tractor is running.
- Carry out cleaning, lubricating, adjustments or repairs to a mounted implement unless the tractor engine is stopped and the implement firmly supported or lowered to the ground.
- Leave the tractor seat unless the implement is lowered, the gear shift in neutral, the brake applied, the engine stopped and the ignition key removed.

**BE A SAFE OPERATOR  
BY THINKING - BEFORE ACTING**

Specification	HMB 210
Working width	210 cm
Tractor HP, recommended	35 and above
Linkage, three-point	Cat. I / II
Weight	210 Kg.

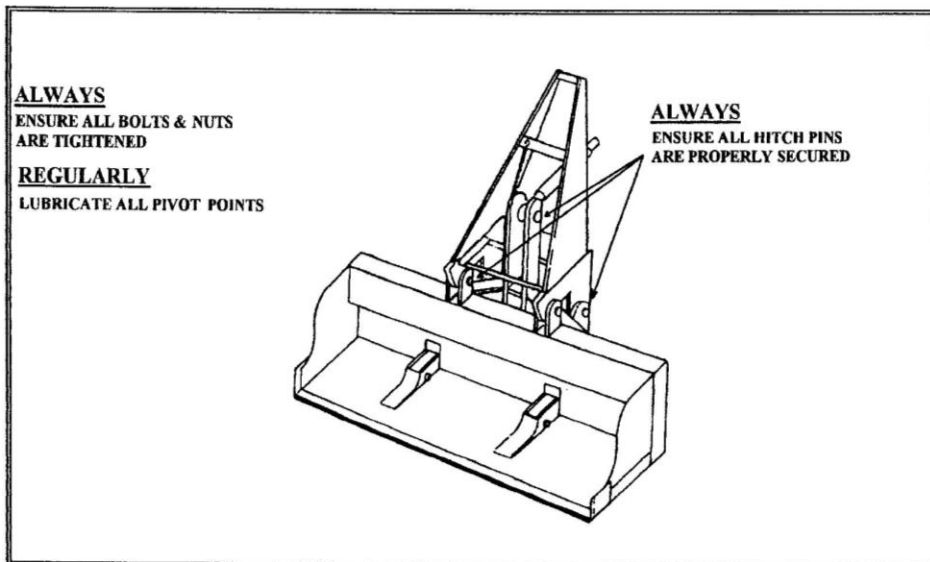
HMB 210 is a useful contractor's implement for road building, construction sites and quarry work.

This Bucket is constructed from superior materials and with first-class workmanship, and will as such give maximum value for the investment.

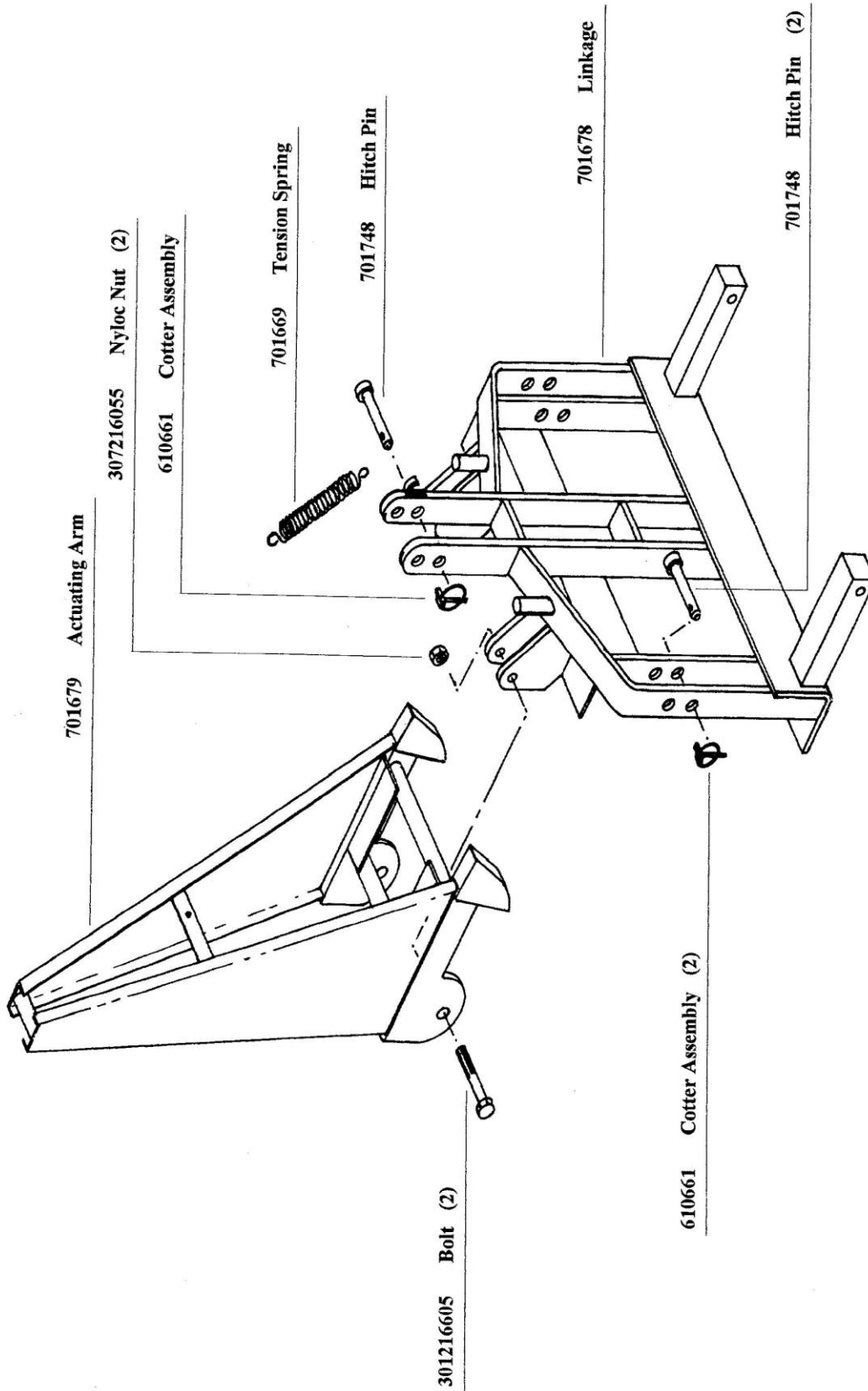
Treat it well - and it will serve you diligently for many years to come.

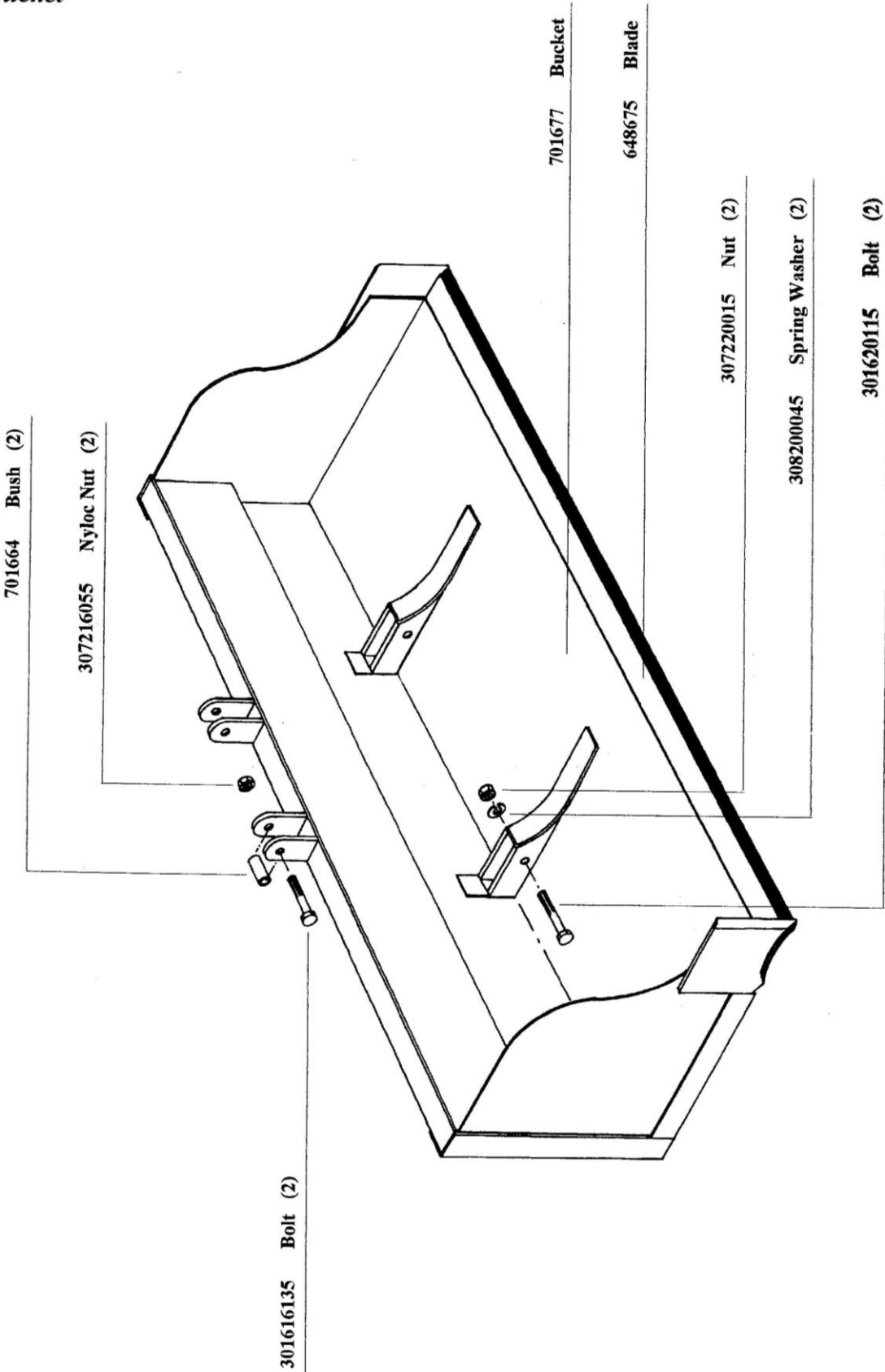
It is cheaper to identify defects early - but cheaper still to avoid them - by preventive maintenance.

**MAINTENANCE GUIDE**



**BUCKET HMB210**  
*Linkage & Actuating Arm*



**BUCKET HMB210**
*Bucket*


701664 Bush (2)

307216055 Nyloc Nut (2)

301616135 Bolt (2)

701677 Bucket

648675 Blade

307220015 Nut (2)

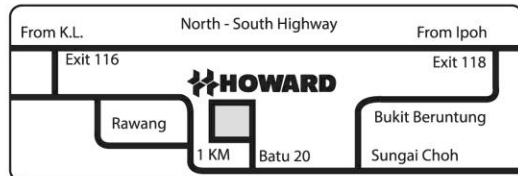
308200045 Spring Washer (2)

301620115 Bolt (2)



## HOWARD DEALERS & SPARE PART STOCKISTS

<p><b>PERLIS</b></p> <p>PPN Perlis, Kangar Sin Keat Seng, Kangar PPK Mata Ayer, M.Ayer</p> <p><b>KEDAH</b></p> <p>Nafas Jentera, A.S. Pertanian Utara, A.S. Sime Darby Ind, A.S. Hock Lean, Jitra TAE, Jitra TAE, Pendang Utara Agritrak, A.S.</p> <p><b>PULAU PINANG</b></p> <p>Eik Seng, B'worth Kien Seng, B'worth Sime Darby Ind, S. Prai Sime Kubota, B'worth TCIM, B'worth UMW, B'worth</p> <p><b>PERAK</b></p> <p>Benefarm, Ipoh Felcra Process, Kg. Gajah PPN Perak, Ipoh Kej. Pertanian, T. Intan Overseas Union, T. Intan Sime Kubota, T.Intan Sime Darby Ind, Ipoh TCIM, Ipoh UMW, Ipoh</p> <p><b>SELANGOR</b></p> <p>BH Agri, K.L. Palm Mach, Kepong Yik Soon, Kepong Teck Seng, Sg. Besi Puncak Emas, B. Caves S.J.I, Klang Asia Turfquip, P.J. Bar Formula, P.J. Marequse, P.J. Nafas Jentera, P.J. Eurostar, Puchong Minda Agri, Puchong Sime Darby Ind, Puchong Sime Kubota, Puchong Sin Hup Hin, Sekinchan MZS Power, Shah Alam TCIM, Shah Alam UMW, Shah Alam</p>	<p><b>SABAH</b></p> <p>LSC K.K. Kong Seng, K.K. Lensoon, K.K. Palm Mach, K.K. Sime Kubota, K.K. Sin Ngiap, K.K. TCIE, K.K. Sime Darby, K.K. UMW, K.K. Wilpors, K.K. Win Hin, K.K. Sime Darby, Lahad Datu All Planters, Lahad Datu ATSB, Lahad Datu Benefarm, Lahad Datu Eurostar, Lahad Datu Palm Mach, Lahad Datu Nafas Jentera, Lahad Datu Sime Kubota, Lahad Datu Solid Firm, Lahad Datu TCIE, Lahad Datu Sime Darby, Labuan All Planters, Sandakan ATSB, Sandakan Benefarm, Sandakan Bri-Trail, Sandakan Eurostar, Sandakan Hup Seng, Sandakan Intan Karang, Sandakan TCIE, Sandakan Sime Darby, Sandakan Sime Kubota, Sandakan UMW, Sandakan Wilpros, Sandakan ATSB, Tawau Eurostar, Tawau LP Tractors, Tawau Sime Darby, Tawau UMW, Tawau</p> <p><b>NEGERI SEMBILAN</b></p> <p>Bahau Auto, Bahau Emdek, Seremban TCIM, Seremban</p>	<p><b>MELAKA</b></p> <p>CS Agriparts, T.M. Jaya TCIM, T.M. Jaya Sime Darby, T.M. Jaya PPN Melaka, Melaka Segamat Agri, Krubong</p> <p><b>JOHOR</b></p> <p>Asia Turfquip, J.B Hock Guan Hin, J.B. Seriintan, J.B. TCIM, J.B. Teck Seng, J.B. Sime Darby Inds, J.B. UMW, J.B. Ah Bee, Kluang Hiap Thye, Kluang Kang Sang, Kluang Kluang Berjaya, Kluang Maju Estate, Kluang Nafas Jentera, Kluang Palm Mach, Kluang Sime Darby Inds, Kluang Eurostar, Segamat Kian Huat, Segamat Segamat Cycle, Segamat Wabco, Skudai JVR, Ulu Tiram</p> <p><b>KELANTAN</b></p> <p>Bogam, K.B Hock Hoe Hin, K.B. K.B. Jaya, K.B. Eurostar, G. Musang Palm Mach, G. Musang Lea Thong, K.B. Minda, K.B. Nafas Jentera, K.B. Sime Darby Inds, K.B. PPK K. Sepat, P.Mas Sime Kubota, W. Bharu</p>	<p><b>TERENGGANU</b></p> <p>J &amp; J Machinery, K.T. KPT Peladang, K.T. K.T. Inds, K.T. Nafas Jentera, K.T. TADC, K.T. UMW, K.T.</p> <p><b>PAHANG</b></p> <p>Yi Cheng, Gambang Eurostar, Kuantan Nafas Jentera, Kuantan Sime Kubota, Kuantan TCIM, Kuantan Tractors M'sia, Kuantan UMW, Kuantan M'tab Agri, Mentakab</p> <p><b>SARAWAK</b></p> <p>Benefarm, Miri Sime Kubota, Miri TCM, Miri Sime Darby, Miri UMW, Miri Intan Karang, Bintulu Pan Sarawak, Bintulu Sime Kubota, Bintulu Sime Darby, Bintulu UMW, Bintulu Benefarm, Kuching JN Inds, Kuching Sime Kubota, Kuching TCIM, Kuching Sime Darby, Kuching UMW, Kuching Pan Sarawak, Sibul Sime Kubota, Sibul TCM, Sibul Sime Darby, Sibul Pansar, Sibul UMW, Sibul</p>	<p><b>BRUNEI</b></p> <p>Hock Hung Hing, BSB MPS Trading, BSB Tractors M'sia, BSB</p> <p><b>INDONESIA</b></p> <p>Agrisarana Altrak 1978 Bina Pertiwi Pioneer Trading Probesco SAHABAT Agritama Satrindo Traktor Nusantara Capella, Medan SAHABAT, Medan</p> <p><b>SINGAPORE</b></p> <p>ATS Tractors S'pore UMW</p> <p><b>PHILIPPINES</b></p> <p>Alpha Machinery KAMPI Major Tractors, Davao Sime Darby Up-Town, Pasig City</p> <p><b>THAILAND</b></p> <p>Phong La-or Patana Suptawee</p> <p><b>INDIA</b></p> <p>Farm Implements</p> <p><b>SRI LANKA</b></p> <p>Brown &amp; Co. Hovael</p> <p><b>BANGLADESH</b></p> <p><b>TAIWAN</b></p> <p><b>PAKISTAN</b></p> <p><b>VIETNAM / CAMBODIA</b></p>
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**HOWARD is here to serve you**

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**Noormah**  
Export & Shipping



**Wan Ramli**  
Sales



**Shafiq**  
Sales



**Bala**  
Service Manager



**Ismail**  
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Production Manager



**Ibrahim**  
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**Maarof**  
Foreman Assembly



**Keshal**  
Engineer



**Yamin**  
Engineer



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Purchasing



**Zamary**  
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**Shukri**  
Draughtsman



**Mustafa**  
Material QC



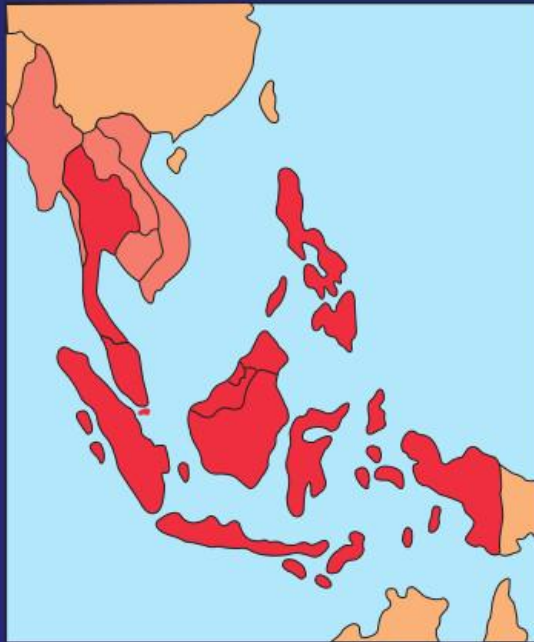
**Haliza**  
Accounts



**A. Nielsen**  
Managing Director



**HOWARD**



**In Southeast Asia since 1962**



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