

Haldex

Box 250, S-30104 HALMSTAD, SWEDEN
Telephone 085-118560, Telex 38084

The Haldex Co-driver's Handbook

Addresses & Phonenumbers to the Different Haldex Agents
All Over the World





There is a Halda agent almost anywhere
in the world.

Just phone him for repairs and spares,
for new equipment and hints.

Your Halda agent also can tell you
who is the nearest Halda dealer!

Ein Halda-Agent ist immer in Ihrer Nähe
— auf der ganzen Welt.

Rufen Sie ihn an, wenn Sie etwas
wissen wollen über Reparaturen und Ersatzteile,
über Neuaustrüstung und nützliche Hinweise.

Ihr Halda-Agent weiss auch, wo der nächste
Halda-Händler zu finden ist.

Il existe un distributeur Halda dans presque
chaque point du globe.

N'hésitez pas à lui téléphoner pour
vos réparations, accessoires et toutes informations
sur nos nouveaux produits.

Votre distributeur Halda peut également
vous indiquer le point de vente Halda le plus
près de chez vous.

Hay un agente Halda casi en cualquier
parte del mundo.

Lámelo si necesita reparaciones o repuestos
y para enterarse sobre nuevos equipos
y sugerencias.

Su agente Halda también puede decirle quién
es su distribuidor Halda más cercano.

Europe

AUSTRIA

VDO Austria Ges.m.b.H.
A-1150 WIEN XV
Flachgasse 54-58
Tel. 926131

BELGIUM

Krautli S.A.
Avenue de l'Industrie 15
B-1720 Dilbeek
Tel. 02/655656

CYPRUS

S & G Colocassides Ltd.
P. O. Box 4525
Nicosia
Tel. Nicosia 72164

CYPRUS

Nicos D. Solomonides Ltd.
P.O. B 210
Limassol
Tel. 51-64755/59

CHECHOSLOVAKIA

Motokov PZO
Na strži 63
14062 Praha
Tel. 229196

DENMARK

Auto Elektro Teknik A/S
Lauretsvej 40
DK-2880 Bagsværd
Tel. (02) 440113

FINLAND

M-Huolto S & V OY
Asesepäntie 1
SF-00620 Helsingfors 62
Tel. (0) 798575

FRANCE

Jaeger
2, rue Baudin
F-92303 Levallois-Perret
Tel. 757-31-35

GREAT BRITAIN

Halda Limited
3/4, Brandon Road, York Way
London N79AE
Tel. 01-6070991

GREECE

Lazaros Kostakis
Atthidonstr. 115-117
Kallithea
Athen

HOLLAND

W. van Munster
Amsterdam-Zuid
Tolstraat 93
Tel. 020723611-710412

Stefa B. V.

Postbus 280
Zwolle
Tel. 05200-10505

ICELAND

Gisli J. Johnsen HF
PO Box 492
121 Reykjavik
Tel. 73111

ITALY

Krautli Elettrica S.R.L.
Via A. Figino, 12
I-20156 Milano
Tel. (02) 324441

NORTHERN IRELAND

Paddy Hopkirk Ltd.
20 Trench Road
Mallusk
Newtown Abbey BT36 8YS
Tel. 0231-48318

NORWAY

Hico-Record A/S
Smalvollveien 83
Postboks 147, Bryn
N-Oslo
Tel. 2-688800

A/S Kellox
Østre Aker Vei 205
N-Oslo 9
Tel. 251053

SPAIN

Jaeger Industria, S. A.
Avda. Infanta Carlota, 55
Barcelona 15
Tel. 2500663-3216547

SWEDEN

Autoteknik Instrument AB
Importgatan 2-4
42246 Hisings-Backa
Tel. 031/580080

Haldex AB
Box 250
Knäredsgatan 23
30104 Halmstad
Tel. 035/118560

Haldex-Stockholm AB
Karlbergsvägen 68
11335 Stockholm
Tel. 08/345670

Växjö Bildelar
Skyttegatan 13
35241 Växjö
Tel. 0470/12881, 12810

Wedins Instrumentverkstad
Rådhusgatan 107
83100 Östersund
Tel. 063/120936

SWITZERLAND

Krautli AG
Postfach
CH-8048 Zürich
Badenerstrasse 734
Tel. 01-628062

USSR

Vsesojuznoje Importnoje
Objedinenie
"Avtopromimport"
Pjatrnickaja 50/2
Moscow

WEST GERMANY

VDO Vertriebsgesellschaft mbH
Postfach 2220
D-6232 BAD Soden 2
Tel. (06196) 801-1

Africa

KENYA

Markmann & Co

P.O. Box 862

Nairobi

Tel. 557934/559283

MOROCCO

Ets. au Rubis

169, Bd. du 11 Janvier

Casablanca

Tel. 22-29-69

**REPUBLIC OF
SOUTH AFRICA**

Tachograph Service

Technorama (Pty) Ltd

P.O. Box 21061

0137, Valhalla

Pretoria

Tel. 48-4276/7

America

BRAZIL

VDO do Brasil
Ind. e Com. de Medidores
Ltda.

Avenida Senador
Adolf Schindling, 155

Guarulhos

Caixa Postal 149

Sao Paulo

Tel. 209-6633

DOMINICAN REPUBLIC

Idelca

Ave. J.F. Kennedy
Apartado 1011

Santo Domingo

Tel. 565-6646

CANADA

Hartwig Instruments
Box 232

Thornhill, Ontario

L3T 3N3

Tel. (416) 881-4575

Egglestone Automotive Parts Ltd

Box 81 Postal Station T

Calgary Alberta T2H 1J8

Tel. 255-8286

Grierson Race & Rally

947 Richmond Road

Ottawa Ontario

Tel. 613-729-9166

GUATEMALA

Tornos y Fricciones Miron
Avenida De Petapa 7-78

Guatemala

Tel. 41058

JAMAICA

John Crook Limited

P.O. Box No. 21

7-11 Hanover Street

Kingston

Tel. 20630

MEXICO

Taxímetros, S.A.

Calle Uno No. 99

Esq Con Av Diez

Col. Ignacio Zaragoza

Mexico 9, D.F.

Tel. 5-71-25-69

TRINIDAD

Iguana Tuning

2 Fitt Street

Woodbrook

Tel. 62-54228

SURINAME

National

Div. Hardware Corner

P.O. Box 2563

Paramaribo

Tel. 75866, 74964

USA

Vilém B. Haan Inc.

7531 Coldwater Canyon

No Hollywood Ca 91605

Tel. (854) 380-84

Asia

BAHRAIN

Dilman Garage
P.O. Box 772
Manama
Tel. 2521 86, 252627

HONG KONG

Auto-Electric Limited
231-235, Gloucester Rd.
Tel. 5-738242-4

INDONESIA

Roma Motor
Jl. Sukarjo Wiryopranoto 97 A
Jakarta
Tel. 631617

JAPAN

Kjellberg Kabushiki Kaisha
Central P. O. Box No. 12
Akasaka Chuo Bldg.
2-6 Akasaka
3-chomo Minato-ku
Tokyo
Tel. 582-7171

MALAYSIA

Sharikat C.S. Tan
134 Jalan Petaling
Kuala Lumpur 01-31
Tel. 84153

SINGAPORE

Motion Smith & Son Ltd.
Marina House, Shenton Way
Singapore 2
Tel. 2203096, 2202872

THAILAND

Central Trading Co., Ltd.
C.P.O. Box 471
683 Wang Burapha
Bangkok
Tel. 221665, 228171-9,
227141

Australia

and the Pacific

AUSTRALIA

Race & Rally Pty. Ltd.
35-37 Rosedale Ave
Greenacre, N.S.W. 2190
Tel. 7094775, 7082171

R. J. Doherty Australia Pty Ltd.
10 Lincoln Street
East Brunswick, Vic. 3057
Tel. 3862263

NEW ZEALAND

Halda Meters (New Zealand)
Ltd.
34, Karaka Street
P.O. Box 8865
Auckland
Tel. 779-192

E. Sime & Company Ltd.
P.O. Box 1068
82 Tory Street
Wellington 1
Tel. 559-935

H. E. W. Silver & Co. Ltd.
108 Tory Street
Wellington C. 1
Tel. 558-394

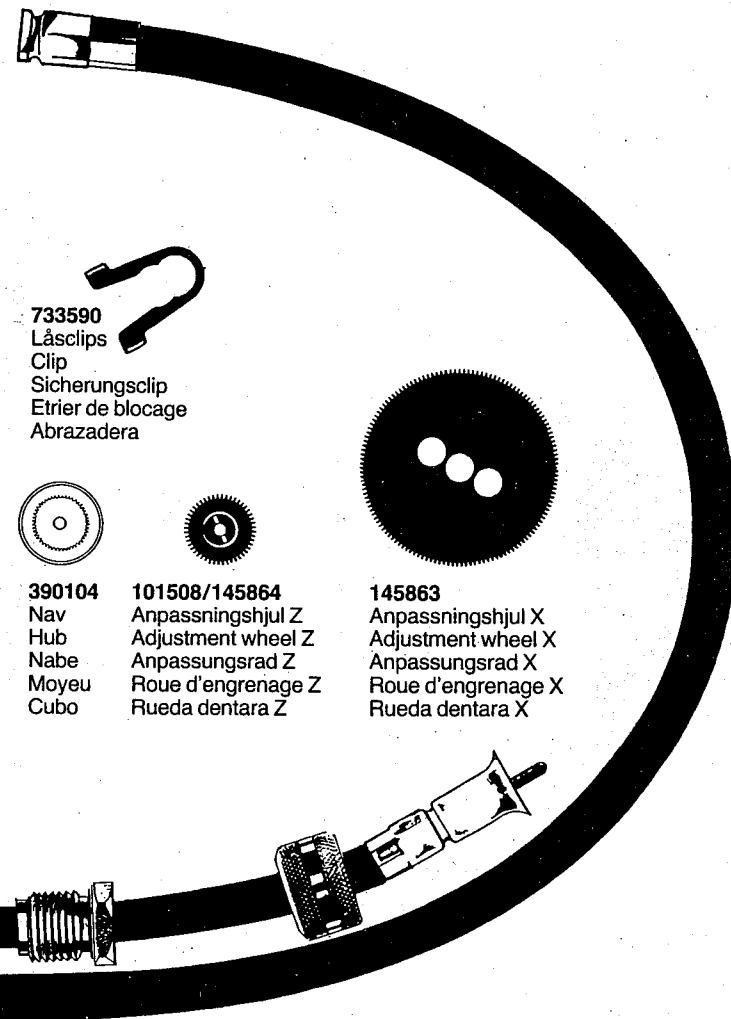
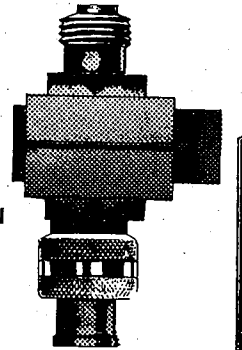
Transport Engineers &
Importers Ltd.
P.O. Box 9145
Auckland
Tel. 545-078

Robt. McLean Ltd.
P.O. Box 25150
105-109 Victoria Street
Christchurch 1
Tel. 68-019

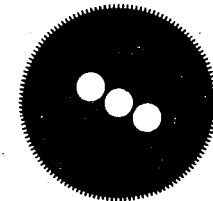
Spares



V11N-V67N
 T-växel
 T-gear
 T-Getriebe
 T-réducteur
 T-reductora



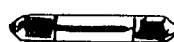
733590
 Låsclips
 Clip
 Sicherungsclip
 Etrier de blocage
 Abrazadera



390104
 Nav
 Hub
 Nabe
 Moyeu
 Cubo

101508/145864
 Anpassningshjul Z
 Adjustment wheel Z
 Anpassungsrad Z
 Roue d'engrenage Z
 Rueda dentara Z

145863
 Anpassningshjul X
 Adjustment wheel X
 Anpassungsrad X
 Roue d'engrenage X
 Rueda dentara X



730050
 Lampa 12V
 Bulb 12V
 Birne 12V
 Lampe 12V
 Bombilla 12V

730121
 Lampa 12V
 Bulb 12V
 Birne 12V
 Lampe 12V
 Bombilla 12V

380078
 Ratt
 Knob
 Knopf
 Bouton
 Botón

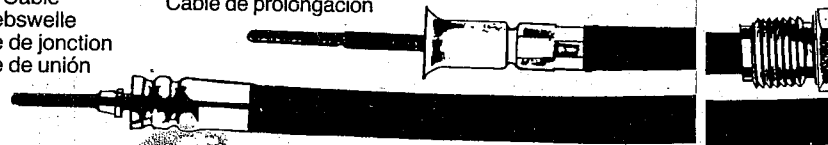
380079
 Ratt
 Knob
 Knopf
 Bouton
 Botón

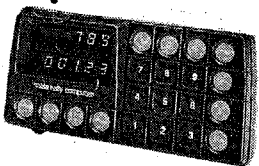
365854
 Ratt
 Knob
 Knopf
 Bouton
 Botón

365853
 Ratt (0)
 Knob (0)
 Knopf (0)
 Bouton (0)
 Botón (0)

T11-T67
 Förlängningskabel
 Extension cable
 Zwischenwelle
 Câble d'extension
 Cable de prolongación

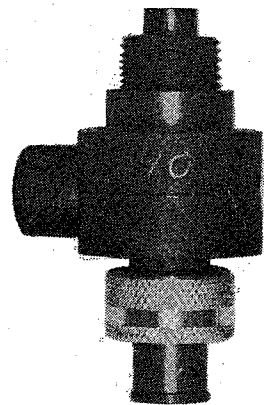
700270
 Drivkabel
 Drive Cable
 Antriebswelle
 Câble de jonction
 Cable de unión





Spares

G11-G65
Givare
Transmitter
Impulsgeber
Emetteur
Transmisor



452000
Back-up-Batteri
Back-up Battery
Back-up Batterie
Back-up Batterie
Back-up Bateria



444006
Säkring 315mA
Fuse 315mA
Sicherung 315mA
Fusible 315mA
Fusible 315mA



444003
Säkring 1A
Fuse 1A
Sicherung 1A
Fusible 1A
Fusible 1A



381130
Handnollställare
Hand operated remote control
Fernauslöser
Dispositif de rappel à zero
commandé à main
Control remoto para poner a cero

Spares & Adjustment

T-gears *)	Extension Cables *)	T-gear and Extension Cables Connection sizes		
Cat. No.	Length 6" 150 mm Cat. No.	Length 12" 300 mm Cat. No.	Thread	Driving pin
V-11-N	T-11	T-113	NF 5/8"×18	2.7×2.7 mm
V-12-N	T-12-N	T-123-N	M 12×1	3 ×3 mm
V-13-N	T-13	T-133	M 16×1	2.7×2.7 mm
V-14-N	T-14	T-143	M 18×1.5	2.7×2.7 mm
V-16-N	T-16-N	T-163-N	M 12×1	2.7×2.7 mm
V-17-N	T-17	T-173	M 16×1.5	2.7×2.7 mm
V-18-N	T-18	T-183	M 19×1.25	2.7×2.7 mm
V-19-N	—	T-193	Clip-on type (Chrysler)	2.7×2.7 mm
V-20-N	T-20	T-203	Clip-on type (Ford)	2.7×2.7 mm
V-24-N	T-24	T-243	Clip-on type (VDO)	2.7×2.7 mm
V-25-N	T-25	T-253	Clip-on type (GM)	2.7×2.7 mm
V-26-N	T-26	T-263	Clip-on type (Holden, Australia) (Ford Falcon, Australia) (BMC)	2.7×2.7 mm
V-48-N	T-48	T-483	Clip-on type (Toyota)	2.7×2.7 mm
V-49-N	T-49	T-493	Clip-on type (Citroen)	3 ×3 mm
V-55-N	T-55	T-553	Clip-on type (England)	2.7×2.7 mm
V-56-N	T-56	T-563	Clip-on type (Volvo, Japanese speedometer)	2.7×2.7 mm
V-57-N	T-57	T-573	Clip-on type (Fiat Mira, Fiori)	2.7×2.7 mm
V-58-N	T-58	T-583	Clip-on type (Simca, Renault)	3 ×3 mm
V-60-N	T-60	T-603	Clip-on type (Opel Manta)	2.7×2.7 mm
V-61-N	T-61	T-613	Clip-on type (Dodge Aspen)	2.7×2.7 mm
V-65-N	T-65	T-653	Clip-on type (Datsun)	2.7×2.7 mm
V-66-N	T-66	T-663	NF 7/8"×18	2.7×2.7 mm
V-67-N	T-67	T-673	M 19×1.25	2.7×2.7 mm

Road pulse Transmitters	*) Extension cables	Road pulse transmitters and extension cables connection sizes		
Cat. No.	Length 150 mm	Length 300 mm	Thread	Driving pin
G-11	T-11	T-113	NF 5/8"×18	2.7×2.7 mm
G-12	T-12-N	T-123-N	M 12×1	3.2×3.2 mm
G-13	T-13	T-133	M 16×1	2.7×2.7 mm
G-14	T-14	T-143	M 18×1.5	2.7×2.7 mm
G-16	T-16-N	T-163-N	M 12×1	2.7×2.7 mm
G-17	T-17	T-173	M 16×1.5	2.7×2.7 mm
G-18	T-18	T-183	M 19×1.25	2.7×2.7 mm
G-19	T-19	T-193	Clip-on type (Chrysler)	2.7×2.7 mm
G-20	T-20	T-203	Clip-on type (Ford)	2.7×2.7 mm
G-24	T-24	T-243	Clip-on type (VDO)	2.7×2.7 mm
G-25	T-25	T-253	Clip-on type (GM)	2.7×2.7 mm
G-26	T-26	T-263	Clip-on type (Holden, Australia) (Ford Falcon Australia) (BMC)	2.7×2.7 mm
G-48	T-48	T-483	Clip-on type (Toyota)	
G-49	T-49	T-493		3.2×3.2 mm
G-55	T-55	T-553	Clip-on type (England)	2.7×2.7 mm
G-56	T-56	T-563	Clip-on type (Volvo, Japanese)	2.7×2.7 mm
G-57	T-57	T-573	Clip-on type (Fiat)	2.7×2.7 mm
G-58	T-58	T-583	Clip-on type (Simca, Renault)	2.7×2.7 mm
G-60	T-60	T-603	Clip-on type (Opel Manta)	2.7×2.7 mm
G-61	T-61	T-613	Clip-on type (Dodge Aspen)	2.7×2.7 mm
G-65	T-65	T-653	Clip-on type (Datsun Laurel)	2.7×2.7 mm

*) Connection sizes — see extreme right hand column

Drive cables			
Cat. No.	Length	Cat. No.	Length
700270-1	6" (150 mm)	700270-5	28" (710 mm)
700270-2	12" (300 mm)	700270-6	32" (815 mm)
700270-3	18" (450 mm)	700270-7	39" (996 mm)
700270-4	24" (600 mm)	700270-8	48" (1220 mm)

Halda Speedpilot

Halda Speedpilot är inget tävlingsinstrument, utan avsedd för "idealtidskörning". Består av vägmätare som registrerar varje 100-tal meter, klocka med tim-, minut- och pilotvisare samt variator med tavla och visare för förinställning av önskad medelhastighet (20–150 km/tim). Klockan indikerar avvikelser i tid från uppgjord tidsplan. Halda Speedpilot har variator för bilanpassning. Passar alla bilmärken. Tolerans vid längre vägsträckor $\pm 0,5\%$. Levereras komplett med monteringsram, T-växel och drivkabel. Längd 150 mm, höjd 100 mm, djup inkl växel 115 mm. Vikt exkl monteringsdelar 1,4 kg. Instruktion för montering och justering medföljer.

Användning: Bestäm önskad medelhastighet. Välj hastighetsområde, som ställs in med ratten i övre vänstra hörnet. Beräkna medelhastigheten och ställ in den med centrumratten. Nollställ därefter vägräknaren med ratten i nedre vänstra hörnet. Med motsvarande ratt i högra hörnet ställs tiden in. I startögonblicken dras centrumratten utåt och pilotvisaren ställs in rakt under minutvisaren. Hålls den inställda medelhastigheten rör sig pilotvisaren med samma hastighet som minutvisaren. Vid lägre hastighet rör sig pilotvisaren saktare, vid högre fortare. Avvikelsen i tid mellan pilot- och minutvisarna motsvarar avvikelsen i idealtid.

Halda Speedpilot is a supplementary instrument—it is meant for "ideal time driving". Comprises an odometer registering every 100 metres (1/10 mile), clock with hour and minute hand and pilot indicator, variator with dial and pointer for setting the required average speed (20–150 km/h). The clock indicates deviation in time from the time schedule drawn up. Halda Speedpilot is equipped with a variator for adjustment to different cars. Suits all car makes. Tolerance on other than very short journeys $\pm 0.5\%$. Supplied complete with fitting frame, T-gear and driving cable. Length 150 mm, height 100 mm, width including gear 115 mm. Weight exclusive of fitting accessories 1.4 kg. Fitting and adjustment instructions are supplied with the instrument.

How to use Halda Speedpilot: Determine the average speed desired. Choose speed range, which is set with the knob in the upper corner to the left. Calculate the average speed and set the centre knob to this speed. Set the odometer to zero with the knob in the lower corner to the left. With the opposite knob in the right corner you then set the clock to the correct time. When starting, the centre knob is pulled out and the pilot indicator is set exactly under the minute hand. If the set average speed is maintained, the pilot indicator moves at exactly the same speed as the minute hand. At a lower speed the pilot indicator will move more slowly. At a higher speed it will move faster. The variation in time between pilot indicator and minute hand shows the deviation from the scheduled time.

Ratt för omkoppling av hastighetsområde och frikoppling. (1/2 SCALE) medelhastigheter från 20–75 km/tim. (1/1 SCALE) medelhastigheter från 40–150 km/tim. (OFF) instrumentet frikopplat.

Knob for setting speed range or neutral. (1/2 SCALE) average speed 20–75 km/h (12,5–45 m. p. h.). (1/1 SCALE) average speed 40–150 km/h (25–90 m. p. h.). (OFF) neutral.

Visare för inställd medelhastighet.

Indicator for set average speed.

Vägmätare.
Odometer.

Ratt för nollställning av vägmätare och i utdraget läge, för frammatning av vägmätarsiffror genom vridning i medurs riktning. När siffrorna frammatas framflyttas pilotvisaren i motsvarande grad.

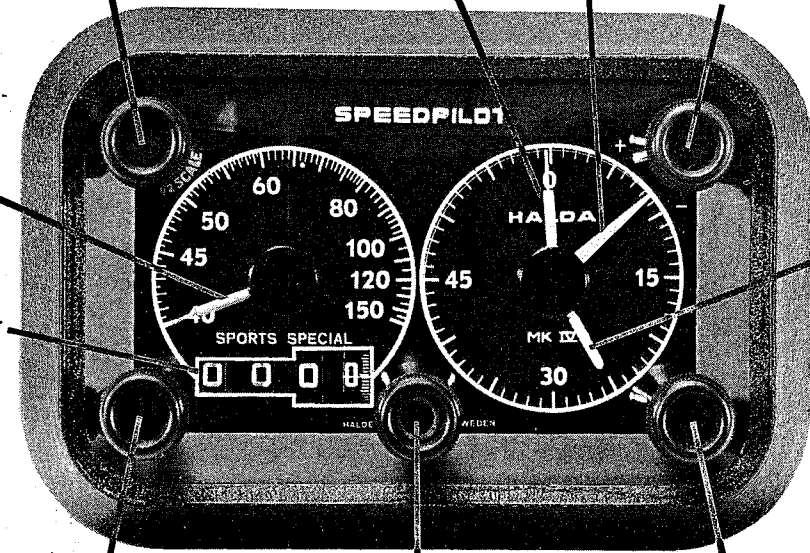
Knob for setting odometer to zero and when pulled out for feeding on the odometer figures by turning clockwise. When the figures are fed on, the pilot indicator is moved forward to a corresponding degree.

Minutvisare.
Minute hand.

Pilotvisare.
Pilot indicator.

Ratt för finanpassning till bilen.
Knob for fine adjustment.

Timv.
Hour

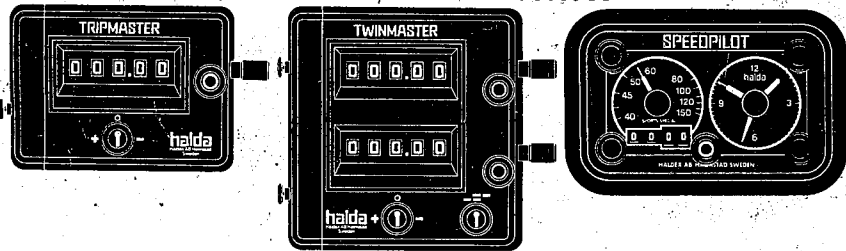


Ratt för inställning av medelhastighet och i utdraget läge för inställning av pilotvisare.
Knob for setting of average speed and when pulled out for setting the pilot indicator.

Ratt för uppdragnin av klockan och i utdraget läge för inställning av rätt tid.
Knob for clock winding and when pulled out for setting the correct time.

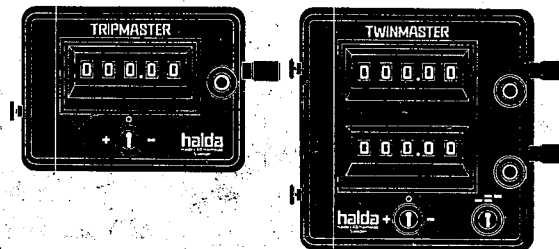
Haldex[®]

Box 250, S-301 04 Halmstad, Sweden.
Telefon 035/11 85 60 Telex 380 84



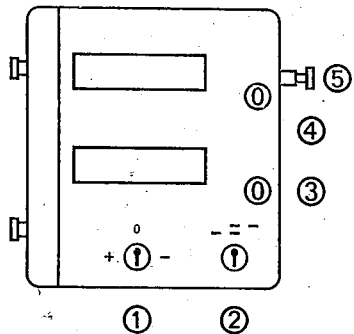
The new haldas

Nya, ännu bättre Haldex Tripmaster och Haldex Twinmaster!
New, even better Haldex Tripmaster and Haldex Twinmaster!



HALDA TWINMASTER

Odometer with two figure counters registering in hundredths of a mile or kilometre. Large illuminated 6,2 mm figures. Instantaneous zero setting. Setting knob for addition, neutral and subtraction. Figure counter control. Setting and zero setting can both be carried out while driving. Twinmaster can be fitted to all makes of cars. Adjustment gear permits a tolerance of $\pm 0,4\%$. Supplied complete with fitting angle, T-gear and driving cable. Length 111 mm ($4\frac{1}{3}$ "), height 120 mm ($4\frac{2}{3}$ "), depth 52 mm ($2\frac{1}{10}$ "). Weight excluding fitting parts 0,8 kg ($1\frac{3}{4}$ lbs).



- ① Control knob for addition (+), neutral (0) and subtraction (-).
- ② Control knob for figure counters. Lower counter (—) both counters (=), upper counter (—).
- ③, ④ Knobs for zero setting the counters.
- ⑤ Knob for manual setting of counters.

1. Install and calibrate the Twinmaster in accordance with the instructions supplied with each instrument.
2. Set the counters to zero by pulling out and releasing knobs ③ and ④.
3. To measure your journey set control knob ① to (+).
4. With control knob ① in neutral (0) a certain distance can be set on the counters by means of knob ⑤. When the control knob ② is in position (—) or in position (—), only upper counter can be adjusted. When the control knob ② is in position (=), both counters are set simultaneously. To know at any time how far remains to be driven until the set distance is covered, the control knob ① should be set at the start of the journey in position (-).
5. When the Twinmaster is not in use the knob ① should be set in position (0).

halda

Manufactured by
HALDEX AB, HÄLMSTAD, SWEDEN
 Telephone 035/11 85 60
 Telex 38084 Haldex S Telegrams Haldex

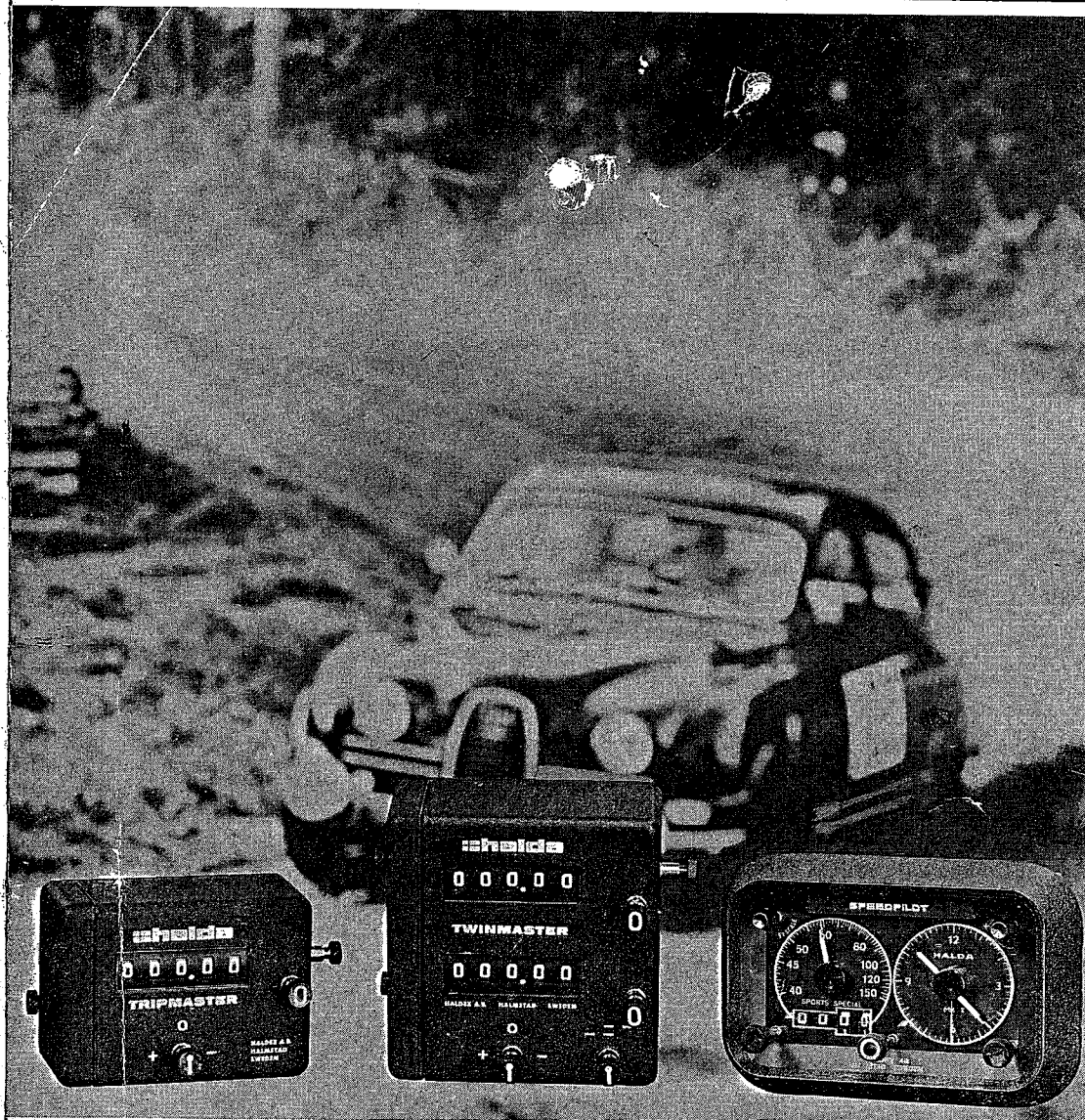
Distributed by

*Written on case
 below bottom counters.*

CITY-TRYCK AB, HÄLMSTAD 1972 3 3000 9.73

halda

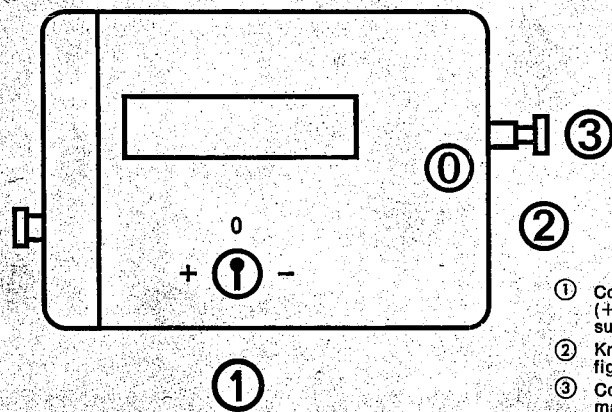
THE WORLD'S LEADING RALLY INSTRUMENTS



TRIPMASTER . TWINMASTER . SPEEDPILOT

HALDA TRIPMASTER

Odometer registering in hundredths of a mile or kilometre. Large illuminated 6,2 mm figures. Instantaneous zero setting. Setting knob for addition, neutral and subtraction. Setting and zero setting can both be carried out while driving. Control knob for manual setting. Tripmaster can be fitted to all makes of cars. Adjustment gear permits a tolerance of $\pm 0,4\%$. Supplied complete with fitting angle, T-gear and driving cable. Length 106 mm ($4\frac{1}{4}$ "), height 78 mm ($3\frac{1}{8}$ "), width 52 mm ($2\frac{1}{10}$ "). Weight exclusive of fitting parts 0,5 kg (1,1 lbs).

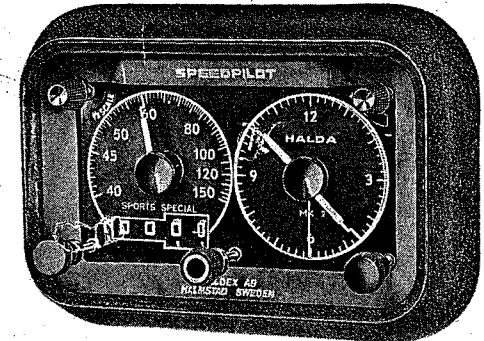


- ① Control knob for addition (+), neutral (0) and subtraction (-).
- ② Knob for zero setting figure counter.
- ③ Control knob for manual setting.

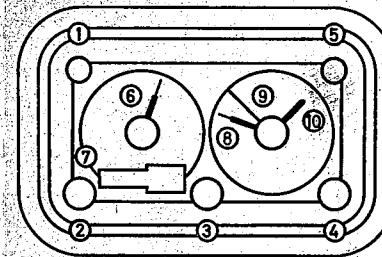
1. Install and adjust the Tripmaster in accordance with the instructions supplied with each instrument.
2. Set the figure counters to zero by pulling out and releasing knob ②.
3. Set the operating knob ① at (+) if you wish to measure the distance you are going to drive.
4. With control knob ① at position (0) the figure counter can be set to a pre-determined distance by means of knob ③. If you then wish to know at any moment how far you still have to go to complete this distance, the control knob ① must be set to (-) as you start.
5. When the Tripmaster is not in use the control knob ① should be set at (0).

HALDA SPEEDPILOT

An instrument comprising an odometer calibrated to tenths of a mile (kilometre), variator with dial and pointer for setting the required average speed between 20 and 150 km/h (12,5 and 90 m. p. h.), clock with hour and minute hand and pilot indicator. The pilot indicator shows at any moment the variation in time from the time reckoned on the pre-set average if this is not exactly followed. Another variator is provided for adjusting the pilot to suit any make of car. Tolerance on other than very short journeys $\pm 0,5\%$. Supplied complete with fitting frame, T-gear and driving cable. Length 150 mm (6"), height 100 mm (4"),



depth including gear 115 mm ($4\frac{1}{2}$ "). Weight excluding fitting parts 1,4 kg (3 lbs).



- ① Knob for setting speed range or neutral. (1/2 SCALE) average speed 20—75 km/h (12,5—45 m. p. h.). (1/1 SCALE) average speed 40—150 km/h (25—90 m. p. h.). (OFF) neutral.
- ② Knob for setting odometer to zero and when pulled out for feeding on the odometer figures by turning clockwise. When the figures are fed on, the pilot indicator is moved forward to a corresponding degree.
- ③ Knob for setting of average speed and when pulled out for setting the pilot indicator.
- ④ Knob for clock winding and when pulled out for setting the correct time.
- ⑤ Knob for fine adjustment.
- ⑥ Indicator for set average speed.
- ⑦ Odometer.
- ⑧ Minute hand.
- ⑨ Pilot indicator.
- ⑩ Hour hand.

1. Install and calibrate Speedpilot in accordance with the instructions supplied with each instrument.
2. Determine the average speed required to reach your destination in time.
3. Choose the correct speed range by means of control ①.
4. Set the hand ⑥ on the calculated average speed with knob ③.
5. Set odometer to zero by turning knob ② clockwise.
6. Set the clock to the right time by pulling out knob ④ and turning in either direction.
7. At the moment of starting pull out knob ③ and set the pilot indicator directly under the minute hand.
8. If the set average speed is maintained, the pilot indicator moves at exactly the same speed as the minute hand. At a lower speed it will creep in front. The variation in time between pilot indicator and minute hand can be read off and shows how much the car is before or behind the scheduled time. The speed can thus be varied to ensure arriving exactly at the time planned.
9. When the Speedpilot is not in use the knob ① should be set to the (OFF) position.

halda twinmaster

igräknare med dubbla räkneverk som gistrerar varje 10-tal meter. Ger dubbel kerhet. Tidigare modell hade gemen- m ratt för inställning av räkneverken. va Halda Twinmaster har dubbla rattar : separat inställning. Twinmastern har : separat inställning. Twinmastern har lareutvecklats på samma sätt som ipmastern, d v s fått bättre belysning, lexfriga glas, effektivare dammtätning, uka, säkrare omkopplings- och noll- illningsknappar och låsta enheter i passningsväxeln.

Halda Twinmaster passar alla bilar. vereras med fastsättningsvinkel, växel och drivkabel. Monterings- och teringsanvisning medföljer. Längd 111 mm, höjd 120 mm, djup 52 mm. Vikt 0,8 kg. x1 monteringsdelar 0,8 kg. llställning av räkneverken sker med pektive 0-ställningsknappar, som dras och släpps.

inställning av vägsträcka kan göras med eller båda räkneverken samtidigt. kopplaren ställs på addition (+). inställning av återstående vägsträcka :s genom att frikoppla den vänstra kopplaren och ställa in mätt körsträcka d någon av sidorattarna. Önskas rsträcka på den övre mätaren ställs i högra omkopplaren på (-), önskas i nedre ställs omkopplaren på ().

Odometer with two separate figure counters registering every ten metres or every metre (1/100 or 1/1000 mile). With additional feature: The old model had only one knob for setting the figure counters. The new Halda Twinmaster has double knobs for setting separately.

The Twinmaster has been improved in the same way as the Tripmaster, i.e. it has better illumination, reflection-free glasses, more effective dust exclusion, soft, secure setting and zero setting knobs and locked components in the adjustment gear.

Halda Twinmaster suits all cars. Supplied with fitting angle, T-gear and driving cable. Fitting and adjustment instructions are supplied with the instrument. Length 111 mm, height 120 mm, width 52 mm. Weight exclusive of fitting parts 0.8 kg.

Zero setting of the figure counters—pull out the zero setting knobs in question and release them.

Measuring of distance—can be made with one or both figure counters simultaneously. The knob is set to addition (+).

Measuring remaining distance—disengage the left knob and set one of the side knobs to the distance to be driven. If you want the remaining distance on the upper counter the right-hand knob should be set to (-), if you want it on the lower counter the knob should be set to ().

Ny, enklare avläsning. Bättre belysning. Nytt, reflexfritt glas!

New clearer figure reading. Better illumination. New reflection-free glass.

Rattar för inställning av räkneverken. Tidigare bara en ratt för parallell inställning. Ny form—lättare att greppa snabbt!

New design making for quicker action of addition, neutral and subtraction. Each movement adds/subtracts 10 m. (1/100 mile). Formerly only one control for parallel setting.



Ny, effektivare dammtätning!

New design of casing gives more effective dust exclusion!

Knappar för 0-ställning av räkneverken. Ny konstruktion som "nollar" direkt! Mjuk, säker utformning!

Omkopplare för addition, frikoppling och subtraktion. Har fått ny, mjuk utformning — säkrare!

Control for addition, subtraction and neutral has new flexible design with more positive action.

Omkopplare för räkneverken. Nedre verket (), övre (-), båda (=). Mjuk, säker form!

Control for figure counters: lower counter (), upper counter (-), both counters simultaneously (=). Flexible design for positive action.

Knob for zeroing figure counters. New control which zeroes direct. Positive and easy control.

halda tripmaster

Vägräknare som registrerar varje 10-tal meter eller varje meter.

Ett av rallyvärldens mest använda instrument, som nu kommer med en rad viktiga förbättringar. Vidareutvecklingen har gjorts i samarbete med kände co-drivern Gunnar Palm.

Efter erfarenheter från bl a Safari-Rallyt har mätaren nu fått en effektivare dammtätning.

Avläsningen har ytterligare underlättats genom en bättre belysningsanordning och s.k. reflexfritt glas. Siffrorna är 6,2 mm höga. Omkopplaren för addition, subtraktion och frikoppling har fått en ny utformning i mjukt plastmaterial. Nollställningsknappen har inte bara gjorts greppvänligare, utan också försetts med en ny mekanism som ger exakt och snabb 0-ställning.

Till förbättringarna hör också att enheterna i anpassningsväxeln är låsta. Ändras enkelt utan verktyg. Anpassningsväxeln medger en tolerans av $\pm 0,4\%$.

Halda Tripmaster passar alla bilar.

Levereras med festsättningsvinkel, T-växel och drivkabel. Monterings- och justeringsanvisning medföljer. Längd 106 mm, höjd 78 mm, djup 52 mm, vikt exkl monteringsdelar 0,5 kg.

Nollställning av räkneverket görs genom att dra ut 0-ställningsknappen och släppa den.

Mätning av vägsträcka — ställ omkopplare på addition (+).

Mätning av återstående vägsträcka — frikoppla omkopplaren och ställ in mått körsträcka med sidoratten. Ställ därefter omkopplaren på subtraktion (-).

Odometer registering every ten metres or every metre (1/100 or 1/1000 mile). One of the most popular instruments in the rally world — now with a number of important improvements. These improvements have been developed in co-operation with the wellknown co-driver Gunnar Palm.

After experiences gained from the Safari Rally the odometer has now been equipped with a more effective dust exclusion.

The figure reading has been further improved through a better illumination device and a so-called reflection-free glass. The figures are 6.2 mm high.

The knob for addition, subtraction and neutral has been given a new design in non-rigid plastic.

The new design of the zero setting knob has made it easier to operate, and the knob has also been equipped with a new mechanism, which results in quick and precise zero setting.

Another improvement is the locking of the components of the adjustment gear. They are easy to change without tools. The adjustment gear allows a tolerance of $\pm 0.4\%$.

Halda Tripmaster suits all cars. Supplied complete with fitting angle, T-gear and driving cable. Fitting and adjustment instructions are supplied with the instrument. Length 106 mm, height 78 mm, width 52 mm. Weight exclusive of fitting parts 0.5 kg.

Zero setting of the figure counter — pull out the zero setting knob and then release it.

Measuring of distance — set the knob to addition. While driving addition and subtraction is possible.

Measuring of remaining distance — disengage the knob and set the side knob to the distance to be driven. Then set the knob to subtraction (-).

Ny, enklare avläsning.
Bättre belysning.
Nytt, reflexfritt glas.

New clearer figure reading.
Better illumination.
New reflection-free glass.

Ratt för inställning av räkneverket.
Ny form, lättare att greppa snabbt!

Control for setting the figure counters.
New design makes it easier to operate control quickly.

Ny, effektivare dammtätning.

New design of casing gives more effective dust exclusion!



Omkopplare för addition, frikoppling och subtraktion. Har fått ny, mjuk utformning — säkrare!

Control for addition, subtraction and neutral has new flexible design with more positive action.

Knapp för 0-ställning av räkneverket. Ny konstruktion som "nollar" direkt! Mjuk, säker utformning!

Knob for zeroizing figure counters. New control which zeroizes direct. Flexible design, positive action.

