

# **EasyParse for Automotive Parts**

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TotalFreedom™ Formatting Plug-In

## **Integration Guide**

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# Introduction

## Overview

Honeywell's EasyParse for Automotive Parts software plug-in parses bar code data adhering to Automotive Industry Action Group (AIAG) and provides specific information such as Container Type and ID. EasyParse for Automotive Parts may be purchased pre-installed on select Honeywell area-imaging products or purchased as a standalone upgrade. Refer to EasyParse for Automotive Parts Data Sheet, available at [www.honeywellaidc.com](http://www.honeywellaidc.com), for a complete list of supported products.

*Note: Honeywell cannot be held responsible for bar codes not able to be read that do not comply with standards set forth by ANSI MH10.8.2-2011.*



# Getting Started

## Software Installation

*Note: Honeywell products ordered with EasyParse for Automotive Parts do not require software installation or software activation. Skip to page 4 for instructions on how to enable the software plug-in.*

Items required for EasyParse for Automotive Parts installation:

- A computer with access to the internet
- The imager's User's Guide
- The firmware upgrade cable specified in the imagers User's Guide
- EZConfig-Scanning software, downloadable at no additional cost from [www.honeywellaidc.com](http://www.honeywellaidc.com)

The following installation procedure is not applicable for imagers that do not support firmware updates through EZConfig-Scanning download feature. Consult the imager's User's Guide to verify the capabilities of the imager before proceeding.

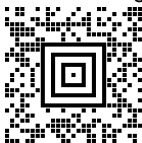
To install the EasyParse for Automotive Parts software plug-in:

1. Download and save the EasyParse for Automotive Parts<sup>◇</sup> plug-in trial software available at [www.honeywellaidc.com](http://www.honeywellaidc.com).
2. Consult the imager's User's Guide for information on the specific cable required for firmware updates.
3. Connect the cable to the imager and an available RS232 serial or USB port on the host system.
4. Start the EZConfig-Scanning software. Click on the *Help* file in the menu bar. Select *Help Topics* and follow the steps under *Connecting to a Device*.
5. In the Application Explorer, select Download. In the Main Workspace, click on the "..." button to browse for the EasyParse for Automotive Parts flash image file (\*.moc.) Click on the Download to Device button.
6. After the firmware has been downloaded to the imager, scan the *Save Custom Defaults* bar code in the User's Guide.

<sup>◇</sup> *The free trial version of EasyParse for Automotive Parts has unlimited trials, however inserts "X" characters in the data stream. To prevent "X" characters from appearing in the transmitted data stream, a full EasyParse for Automotive Parts license must be purchased. Contact customer service for more information on how to purchase an EasyParse for Automotive Parts license. See page 77 for contact information.*

- 
7. To activate *EasyParse* for Automotive Parts software, scan the *Activate Plug-in* bar code followed by the *Reset* bar code:

Activate Plug-in



PLGFOE1;PLGFONEasyParse\_Conf.

Reset



RESET\_.

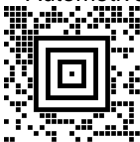
## Software Activation

A license key is required to activate the full version of *EasyParse* for Automotive Parts. Contact a customer service representative for information on purchasing a licensing key. Regional contact information is on page 77.

## To Enable Software Plug-In

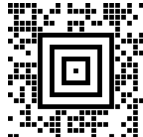
Scan the *Enable EasyParse for Automotive Parts* bar code to enable the *EasyParse* for Automotive Parts software plug-in.

\* Enable *EasyParse* for  
Automotive Parts



9902A2006#ACTIVATE#.

Disable *EasyParse* for  
Automotive Parts



9902A2006#DEACTIVATE#.

\* *Factory Default.*



# Data Transmission Configuration

Before starting the configuration process, identify the necessary data fields required for the application and the order with which the data must be transmitted to the electronic form or database.

The default format of parsing configuration is P – Customer Item, 12V – DUNS Manufacturer ID.

## Configuration

To configure the imager for Programming Mode configuration:

1. Scan **Enter Programming Mode** bar code on page 6.
2. Scan the **Start Configuration** bar code on page 6.
3. Scan each required data field bar code in the order of the desired transmission sequence (pages 7 - 23), if necessary, desired formatting option (page 24 - 40) with desired separators for data fields (see pages 34 - 59.)
4. Scan the **End Configuration** bar code on page 6.
5. Scan **Exit Programming Mode** bar code on page 6.

*Note: The bar codes must be scanned in this sequence. If scanned out of sequence the imager will razz and no action will be taken.*

## Formatting Option Notes

EasyParse for Automotive Parts plug-in supports various formats for Data Identifiers. For example, 17D – Production DDMMYYYY has various date formats available. If formatting is required, scan the data field bar code **followed** by the desired format for the field (see page 24 - 40.)

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## Enter/Exit Programming Mode Bar Codes

Enter Programming Mode



9902EntA2006

Exit Programming Mode



99Exit.

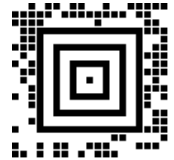
## Start/End Configuration Bar Codes

Start Configuration



9902#START#.

End Configuration



9902#END#.

---

## Data Field Options for Programming Mode

For detailed field descriptions, please refer to ANSI Data Identifier and Application Identifier Standard Version ANSI MH10.8.2-2011 ([www.ansi.org](http://www.ansi.org)).

Field Name	Menu Command	Programming Code
B –Container Type	9902F00	
1B - Container ID	9902F01	
2B –Gas Cylinder	9902F02	
3B – Motor Freight ID	9902F03	
D – YYMMDD	9902F04	
1D - DDMMYY	9902F05	

Field Name	Menu Command	Programming Code
2D – MMDDYY	9902F06	
3D – YDDD	9902F07	
4D – YYDDD	9902F08	
5D – YYMMDD + Qualifier	9902F09	
6D – YYYYMMDD + Qualifier	9902F0A	
7D – MMY	9902F0B	
9D – Date Mutual	9902F0C	

Field Name	Menu Command	Programming Code
10D – YYWW	9902F0D	
11D – YYYYWW	9902F0E	
12D – YYYYMMDD	9902F0F	
13D – YYWWYYWW	9902F10	
14D – Exp. YYYYMMDD	9902F11	
15D – Exp. DDMMYYYY	9902F12	
16D – Production YYYYMMDD	9902F13	

Field Name	Menu Command	Programming Code
17D – Production DDMMYYYY	9902F14	
20D – Inspect DDMMYYYY	9902F15	
1E – Air Pressure	9902F16	
I – U.S. VIN	9902F17	
2I – Abbreviated VIN	9902F18	
L – Location	9902F19	
5N01 - Conicity	9902F1A	

Field Name	Menu Command	Programming Code
5NB1 – Speed	9902F1B	
5NB2 – Load Index	9902F1C	
5NB3 – Type	9902F1D	
5NB4 – Pressure + Tread – Imperial	9902F1E	
5NB5 – Pressure + Tread – Metric	9902F1F	
5NB6 – Tire + Vehicle Miles	9902F20	
5NB7 – Tire + Vehicle KM	9902F21	

Field Name	Menu Command	Programming Code
5NB8 – Sidewall ID	9902F22	
5NB9 – Number Retreads	9902F23	
5NC0 – Vehicle Mileage	9902F24	
5NC1 – Vehicle KM	9902F25	
5N – Tires	9902F26	
P – Customer Item	9902F27	
1P – Supplier Item	9902F28	



Field Name	Menu Command	Programming Code
2P – Engineering Change Number	9902F29	
3P – Manufacturer ID + Item	9902F2A	
4P – Item Code	9902F2B	
6P – Supplier ID + Item	9902F2C	
9P – DUNS + Part Number	9902F2D	
13P – VMRS System	9902F2E	
14P – VMRS System + Assembly	9902F2F	

Field Name	Menu Command	Programming Code
15P – VMRS System + Assembly + Part	9902F30	
16P – VMRS System + Assembly or Part	9902F31	
18P – VMRS Supplier ID + Part Number	9902F32	
19P – Item Component	9902F33	
20P – Customer 1 <sup>st</sup> Item ID	9902F34	
21P – Customer 2 <sup>nd</sup> Item ID	9902F35	
22P – Customer 3 <sup>rd</sup> Item ID	9902F36	

Field Name	Menu Command	Programming Code
23P – Customer 4 <sup>th</sup> Item ID	9902F37	
24P – Customer 5 <sup>th</sup> Item ID	9902F38	
30P – Supplier 1 <sup>st</sup> Item ID	9902F39	
31P – Supplier 2 <sup>nd</sup> Item ID	9902F3A	
32P – Supplier 3 <sup>rd</sup> Item ID	9902F3B	
33P – Supplier 4 <sup>th</sup> Item ID	9902F3C	
34P – Supplier 5 <sup>th</sup> Item ID	9902F3D	

Field Name	Menu Command	Programming Code
40P – Customer MSDS ID	9902F3E	
50P – Manufacturer Item ID + Version	9902F3F	
Q – Quantity	9902F40	
1Q – Theoretical Measure	9902F41	
2Q – Actual Weight	9902F42	
3Q – Unit of Measure	9902F43	
4Q – Gross Amount	9902F44	

Field Name	Menu Command	Programming Code
5Q – Net Amount	9902F45	
7Q – Quantity + Unit of Measure	9902F46	
S – Serial	9902F47	
1S – AUX Supplier Serial Number	9902F48	
3S – Package ID	9902F49	
4S – Package ID - Master	9902F4A	
10S – Machine or Tool ID	9902F4B	

Field Name	Menu Command	Programming Code
11S – Fixed Asset ID	9902F4C	
12S – Document Number	9902F4D	
16S – Version Number	9902F4E	
20S –Customer Trace ID	9902F4F	
21S – Tire ID	9902F50	
31S – Begin Serial Number	9902F51	
32S – End Serial Number	9902F52	

Field Name	Menu Command	Programming Code
50S- Supplier 1 <sup>st</sup> Unit ID	9902F53	
51S – Supplier 2 <sup>nd</sup> Unit ID	9902F54	
52S – Supplier 3 <sup>rd</sup> Unit ID	9902F55	
53S – Supplier 4 <sup>th</sup> Unit ID	9902F56	
54S – Supplier 5 <sup>th</sup> Unit ID	9902F57	
T – Customer Lot	9902F58	
1T – Supplier Lot	9902F59	

Field Name	Menu Command	Programming Code
3T – U. S. EPA VIN	9902F5A	
20T – Customer 1 <sup>st</sup> Group ID	9902F5B	
21T – Customer 2 <sup>nd</sup> Group ID	9902F5C	
23T – Customer 3 <sup>rd</sup> Group ID	9902F5D	
24T – Customer 4 <sup>th</sup> Group ID	9902F5E	
25T – Customer 5 <sup>th</sup> Group ID	9902F5F	
30T – Supplier 1 <sup>st</sup> Group ID	9902F60	



Field Name	Menu Command	Programming Code
31T – Supplier 2 <sup>nd</sup> Group ID	9902F61	
32T – Supplier 3 <sup>rd</sup> Group ID	9902F62	
33T – Supplier 4 <sup>th</sup> Group ID	9902F63	
34T – Supplier 5 <sup>th</sup> Group ID	9902F64	
V – Supplier ID – Customer	9902F65	
1V – Supplier ID – Supplier	9902F66	
2V – Company Prefix - UPC	9902F67	

Field Name	Menu Command	Programming Code
3V – Company Prefix – GS1	9902F68	
10V – Manufacturer ID	9902F69	
12V – DUNS Manufacturer ID	9902F6A	
13V –DUNS Supplier ID	9902F6B	
14V – DUNS Customer ID	9902F6C	
16V – VMRS Supplier ID	9902F6D	
Z – Customer-Supplier Defined	9902F6E	

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Field Name	Menu Command	Programming Code
1Z – Carrier-Supplier Defined	9902F6F	
2Z – Customer-Carrier Defined	9902F70	
3Z – Free Text	9902F71	

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## Formatting Options for Select Data Fields

Field Name	Menu Command	Programming Code
Y	9902X00	
YY	9902X01	
YY1	9902X02	
YY2	9902X03	
MM	9902X04	
DD	9902X05	

Field Name	Menu Command	Programming Code
WW	9902X06	
WW1	9902X07	
WW2	9902X08	
DDD	9902X09	
MMM	9902X0A	
YYYY	9902X0B	
DDDY	9902X0C	

Field Name	Menu Command	Programming Code
DDYY	9902X0D	
DDMM	9902X0E	
DD-MM	9902X0F	
DD/MM	9902X10	
MMDD	9902X11	
MM-DD	9902X12	
MM/DD	9902X13	

Field Name	Menu Command	Programming Code
YY1WW1	9902X14	
YY2WW2	9902X15	
WW1YY1	9902X16	
WW2YY2	9902X17	
WWYY	9902X18	
WWYYYY	9902X19	
YYMM	9902X1A	

Field Name	Menu Command	Programming Code
YY-MM	9902X1B	
YY/MM	9902X1C	
MM-YY	9902X1D	
MM/YY	9902X1E	
DDMMYY	9902X1F	
DD-MM-YY	9902X21	
DD/MM/YY	9902X22	



Field Name	Menu Command	Programming Code
MM-DD-YY	9902X23	
MM/DD/YY	9902X24	
YYMMDD	9902X25	
YY-MM-DD	9902X26	
YY/MM/DD	9902X27	
DDMMYYYY	9902X28	
DD-MM-YYYY	9902X29	

Field Name	Menu Command	Programming Code
DD/MM/YYYY	9902X2A	
MMDDYYYY	9902X2B	
MM-DD-YYYY	9902X2C	
MM/DD/YYYY	9902X2D	
YYYYMMDD	9902X2E	
YYYY-MM-DD	9902X2F	
YYYY/MM/DD	9902X30	

Field Name	Menu Command	Programming Code
VIN – World Manufacturer Identifier	9902X31	
VIN – Vehicle Attributes	9902X32	
VIN – Check Digit	9902X33	
VIN – Model Year	9902X34	
VIN – Plant Code	9902X35	
VIN – Sequential Number	9902X36	
VIN – Vehicle Description Section	9902X37	

Field Name	Menu Command	Programming Code
VIN – Vehicle Identifier Section	9902X38	
Convert to Shift Code	9902X39	
WMI – Convert to Code	9902X3A	
VA – Convert to Code	9902X3B	
Measured Pressure	9902X3C	
Tread Depth 1	9902X3D	
Tread Depth 2	9902X3E	

Field Name	Menu Command	Programming Code
Tread Depth 3	9902X3F	
Tread Depth 4	9902X40	
Tread Depth 5	9902X41	
Tread Depth 6	9902X42	
Tread Depth 7	9902X43	
Tread Depth 8	9902X44	
Tread Depth 9	9902X45	

Field Name	Menu Command	Programming Code
Measured Pressure – Drop Leading Zero's	9902X46	
Tread Depth 1 – Drop Leading Zero's	9902X47	
Tread Depth 2 – Drop Leading Zero's	9902X48	
Tread Depth 3 – Drop Leading Zero's	9902X49	
Tread Depth 4 – Drop Leading Zero's	9902X4A	
Tread Depth 5 – Drop Leading Zero's	9902X4B	
Tread Depth 6 – Drop Leading Zero's	9902X4C	

Field Name	Menu Command	Programming Code
Tread Depth 7 – Drop Leading Zero's	9902X4D	
Tread Depth 8 – Drop Leading Zero's	9902X4E	
Tread Depth 9 – Drop Leading Zero's	9902X4F	
Accumulated Tire Miles/km	9902X50	
Accumulated Vehicle Miles/km	9902X51	
Accumulated Tire Miles/km – Drop Leading Zero's	9902X52	
Accumulated Vehicle Miles/km – Drop Leading Zero's	9902X53	

Field Name	Menu Command	Programming Code
Convert to Metric (kPa, mm)	9902X54	
Convert to Metric (psi-> kPa)	9902X55	
Tread Depth 1 – Convert to mm	9902X56	
Tread Depth 2 – Convert to mm	9902X57	
Tread Depth 3 – Convert to mm	9902X58	
Tread Depth 4 – Convert to mm	9902X59	
Tread Depth 5 – Convert to mm	9902X5A	



Field Name	Menu Command	Programming Code
Tread Depth 6 – Convert to mm	9902X5B	
Tread Depth 7 – Convert to mm	9902X5C	
Tread Depth 8 – Convert to mm	9902X5D	
Tread Depth 9 – Convert to mm	9902X5E	
Convert to Imperial (psi, 32 <sup>nd</sup> inch)	9902X5F	
Convert to Imperial (kPa -> psi)	9902X60	
Tread Depth 1 – Convert to 32 <sup>nd</sup> inch	9902X61	

Field Name	Menu Command	Programming Code
Tread Depth 2 – Convert to 32 <sup>nd</sup> inch	9902X62	
Tread Depth 3 – Convert to 32 <sup>nd</sup> inch	9902X63	
Tread Depth 4 – Convert to 32 <sup>nd</sup> inch	9902X64	
Tread Depth 5 – Convert to 32 <sup>nd</sup> inch	9902X65	
Tread Depth 6 – Convert to 32 <sup>nd</sup> inch	9902X66	
Tread Depth 7 – Convert to 32 <sup>nd</sup> inch	9902X67	
Tread Depth 8 – Convert to 32 <sup>nd</sup> inch	9902X68	

Field Name	Menu Command	Programming Code
Tread Depth 9 – Convert to 32 <sup>nd</sup> inch	9902X69	
Convert to Metric (mi. -> km)	9902X6A	
Convert Tire Miles to km	9902X6B	
Convert Vehicle Miles to km	9902X6C	
Convert to Imperial (km -> mil.)	9902X6D	
Convert Tire km to Miles	9902X6E	
Convert Vehicle km to Miles	9902X6F	

Field Name	Menu Command	Programming Code
DUNS Manufacturer ID	9902X70	
Part Number	9902X71	
Quantity, Number of Pieces of Amount	9902X72	
Convert to Celsius (FA -> CE)	9902X73	
Manufacturer Assigned Item ID	9902X74	
Manufactured Assigned Item Version	9902X75	
Convert to Celsius (FA -> CE) with Measurement	9902X76	

---

## Separators for Programming Mode

Field Name	Menu Command	Programming Code
Line Feed	9902S0A	
Vertical Tab	9902S0B	
Horizontal Tab	9902S09	
Carriage Return	9902S0D	
Space “ ”	9902S20	
Comma “ , ”	9902S2C	

---

Field Name	Menu Command	Programming Code
NULL	9902S00	
Start of Header	9902S01	
Start of Text	9902S02	
End of Text	9902S03	
End of Transmission	9902S04	
Enquiry	9902S05	
Acknowledge	9902S06	

---

Field Name	Menu Command	Programming Code
Bell	9902S07	
Backspace	9902S08	
Form Feed	9902S0C	
Shift Out	9902S0E	
Shift In	9902S0F	
Data Link Escape	9902S10	
Device Control 1	9902S11	

---

Field Name	Menu Command	Programming Code
Device Control 2	9902S12	
Device Control 3	9902S13	
Device Control 4	9902S14	
Negative ACK	9902S15	
Synchronous Idle	9902S16	
End of Text Block	9902S17	
Cancel	9902S18	



Field Name	Menu Command	Programming Code
End of Medium	9902S19	
Substitute	9902S1A	
Escape	9902S1B	
File Separator	9902S1C	
Group Separator	9902S1D	
Record Separator	9902S1E	
Unit Separator	9902S1F	


Field Name	Menu Command	Programming Code
Exclamation Point “!”	9902S21	
Quotation Mark “”	9902S22	
Cross Hatch “#”	9902S23	
Dollar Sign “\$”	9902S24	
Percent Sign “%”	9902S25	
Ampersand “&”	9902S26	
Closing Single Quote “”	9902S27	

Field Name	Menu Command	Programming Code
Opening Parentheses “(“	9902S28	
Closing Parentheses “)”	9902S29	
Asterisk “*”	9902S2A	
Plus “+”	9902S2B	
Hyphen “-“	9902S2D	
Period “.”	9902S2E	
Forward Slant “/”	9902S2F	

---

Field Name	Menu Command	Programming Code
0	9902S30	
1	9902S31	
2	9902S32	
3	9902S33	
4	9902S34	
5	9902S35	
6	9902S36	

Field Name	Menu Command	Programming Code
7	9902S37	
8	9902S38	
9	9902S39	
Colon “:”	9902S3A	
Semi-Colon “;”	9902S3B	
Less Than Sign “<”	9902S3C	
Equals Sign “=”	9902S3D	

Field Name	Menu Command	Programming Code
Greater Than Sign ">"	9902S3E	
Question Mark "?"	9902S3F	
At Sign "@"	9902S40	
A	9902S41	
B	9902S42	
C	9902S43	
D	9902S44	

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Field Name	Menu Command	Programming Code
E	9902S45	
F	9902S46	
G	9902S47	
H	9902S48	
I	9902S49	
J	9902S4A	
K	9902S4B	

---

Field Name	Menu Command	Programming Code
L	9902S4C	
M	9902S4D	
N	9902S4E	
O	9902S4F	
P	9902S50	
Q	9902S51	
R	9902S52	



---

Field Name	Menu Command	Programming Code
S	9902S53	
T	9902S54	
U	9902S55	
V	9902S56	
W	9902S57	
X	9902S58	
Y	9902S59	

Field Name	Menu Command	Programming Code
Z	9902S5A	
Opening Square Bracket “[“	9902S5B	
Reverse Slant “\”	9902S5C	
Closing Square Bracket “]”	9902S5D	
Caret “^”	9902S5E	
Underscore “_”	9902S5F	
Opening Single Quote “'”	9902S60	

---

Field Name	Menu Command	Programming Code
a	9902S61	
b	9902S62	
c	9902S63	
d	9902S64	
e	9902S65	
f	9902S66	
g	9902S67	

---

Field Name	Menu Command	Programming Code
h	9902S68	
i	9902S69	
j	9902S6A	
k	9902S6B	
l	9902S6C	
m	9902S6D	
n	9902S6E	

---

Field Name	Menu Command	Programming Code
o	9902S6F	
p	9902S70	
q	9902S71	
r	9902S72	
s	9902S73	
t	9902S74	
u	9902S75	

Field Name	Menu Command	Programming Code
v	9902S76	
w	9902S77	
x	9902S78	
y	9902S79	
z	9902S7A	
Opening Curly Bracket “{”	9902S7B	
Vertical Line “ ”	9902S7C	

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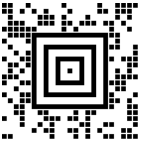
Field Name	Menu Command	Programming Code
Closing Curly Bracket “}”	9902S7D	
Tilde “~”	9902S7E	
DEL	9902S7F	

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## Error Beep Programming Bar Codes

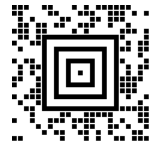
The beeper may be configured *Error Beep On* or *Error Beep Off* in response to an specific bar code. *Default = Error Beep Off*.

Error Beep On



9902A2006#BEEP\_ON#.

\* Error Beep Off



9902A2006#BEEP\_OFF#.

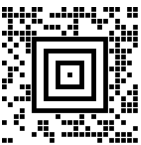
\* *Factory Default.*

## Data Identifier Programming Bar Codes

To include the Data Identifier value in the plug-in output while extracting Data Identifier values, scan the *Data Identifier On* bar code. *Default = Data Identifier On*.

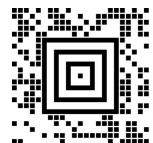
*Note: When format options are selected, Data Identifier On/Off programming bar codes are not applicable.*

\* Data Identifier On



9902A2006#DI\_ON#.

Data Identifier Off



9902A2006#DI\_OFF#.

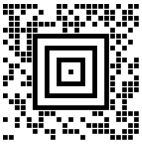


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## Comma/Decimal Replacement Programming Bar Codes

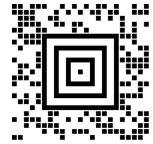
To replace a comma or decimal, scan the *Decimal On* bar code. To replace a decimal point with a comma, scan the *Comma On* bar code. *Default = No Replacement.*

Decimal On



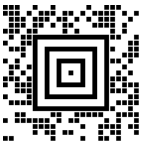
9902A2006#DOT\_ON#.

\* No Replacement



9902A2006#DOT\_OFF#.

Comma On



9902A2006#COMMA\_ON#.

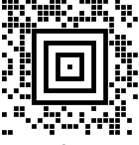
\* *Factory Default.*

---

## Decimal Precision Programming Bar Codes

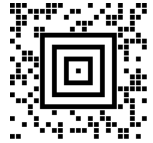
The precision value for decimal point data can be configured using the bar codes below. *Default = Decimal Precision 2.*

Decimal Precision 0



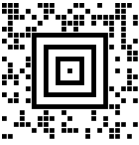
9902A2006#DEC00#.

Decimal Precision 1



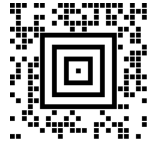
9902A2006#DEC01#.

\* Decimal Precision 2



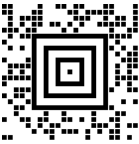
9902A2006#DEC02#.

Decimal Precision 3



9902A2006#DEC03#.

Decimal Precision 4



9902A2006#DEC04#.

# Configuration Utility

EasyParse for Automotive Parts can also be configured using Honeywell's EasyParse for Automotive Parts Configuration Utility.

To configure using the EasyParse for Automotive Parts Configuration Utility:

1. Start the EasyParse for Automotive Parts Configuration Utility. Select the required DI Group from the list of available groups shown in the drop-down-box to populate available fields. By default, Item fields are shown.
2. Select the desired Data Identifier or Separator from the list boxes. Click on the *Insert* button (>>) or double click on the item to add it to the Data Output Format list box.
3. The Separator Fields list box can be extended to show all supported ASCII characters by checking the Show All Separators box.
4. Formatting options are available for different Data Identifiers within different groups. Select one of these identifiers and the options are displayed in the Data Format list box.
5. Select the desired Data Identifier followed by required Data Format option. Click on the *Insert* button (>>) or double click on the item to add it to the Data Output Format list box.
6. To select a Data Format, click on the desired option. To deselect, double click the option.
7. To move a selected identifier in the Data Output Format list box, click on the *Move Up* or *Move Down* buttons until the identifier has been moved to the desired location.
8. To remove a selected identifier in the Data Output Format list box, click on the *Remove* button (<<.)
9. To configure a delay after a separator, select the Separator from the Separator drop-down list. Enter the delay amount in milliseconds. (The delay must be in multiples of 5, starting from 5ms up to and including 5000ms.)
10. The Data Output Format list box and the Configure Delays section can be cleared by clicking on the *Clear All* button.
11. To create a bar code from the Data Output Format list box and/or delays, click on the *Generate Barcode* button. A second window will appear with the bar code. To save the bar code, click on the *Save* button. The bar code will be saved as an html file. To print the bar code, click on the *Print* button.

- 
12. The selected configuration that includes the Data Output Format list box and delays can be saved into a file. Click on *Save to File* button and select the location to save then click on the *Save* button. The configuration will be saved as an xml file.
  13. To generate a bar code from a Saved to File configuration, select *Load from File* button. Select file, then click on the *Open* button. The saved configuration will populate in the Data Output Format list box and Configure Delays section. To generate a bar code, follow step number 11.
  14. To load two pre-configured set of fields select, *Insert GMW15862 Complete Trace Record* or *Insert GMW15862 Complete Trace Record + Supplier Info* buttons.
  15. To complete the configuration, scan the generated bar code.

# Inserting Delays between Fields

Delays can be introduced in the data transmission using Data Formatter. The Data Formatting string can be sent as a serial command, built in a menu code, or created in EZConfig-Scanning. Follow input format needed as outlined in the imager's User's Guide available at [www.honeywellaidc.com](http://www.honeywellaidc.com).

The EF command in the system data formatter will insert a delay between fields in the output.

To test the delay, follow these steps:

1. Setup EasyParse for Automotive Parts to output data as P – Customer Item [Horizontal Tab] 12V – DUNS Manufacturer ID.
2. For a delay after P – Customer Item, send the following data format string to the scanner:

```
DFMBK30124999999F30900EF1000F100.
```

The breakdown of the command line is shown below:

DFMBK3	inform the scanner the following string is data format
0	primary data format
124	terminal interface to apply data format. 124 = USB keyboard wedge
99	symbology ID (99 is a wildcard for all symbologies)
9999	length of bar code to apply data format (9999 is a wildcard for all lengths.)
F30900	sends out all data up to but not including the 09 [Horizontal Tab] character, followed by 00 [Null]
EF1000	inserts a delay of 5000ms (1000 x 5ms)
F100	sends the remainder data from the current virtual pointer position
.	informs scanner to save data to non-volatile flash.

3. The output will be P – Customer Item, a delay of 5000ms, Horizontal Tab, then 12V – DUNS Manufacturer ID.

*Note: The system data formatter is based on the position of the virtual pointer in the data buffer.*

*The EF delay command will only work with keyboard interfaces, i.e. USB keyboard or PS/2 keyboard. It will not work with any other interface.*



# Version Identification

Scan the bar code below to transmit what version of EasyParse for Automotive Parts software the imager is running.

Transmit EasyParse for Automotive Parts Version



Transmit Specification Version



*Note: If the characters @#\$PluginVersion\$#@. are transmitted when **Transmit EasyParse for Automotive Parts Version** bar code is scanned, then the unit is not equipped with the EasyParse for Automotive Parts software plug-in.*





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