TPMS that works.

sens.it RS+ TPMS sensors can talk to any car.

ONLINE VIEWING 2025





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TPMS TECH SUPPORT
855.573.6748
alligator-tpms.com

SENSORS



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SERVICE KITS



TOOLS



TPMS CATALOG

ALLIGATOR®

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Choices are good.



How to install RS+ video:

How to program RS+ video:

Choose wisely.

99.97%
TRUE™ COVERAGE

The RS+ TPMS sensor delivers **99.97%** coverage for all vehicles. All makes. All models. All years.

That means when you install it, it's going to work. Whatever the make. Whatever the language. It works.

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Originality
Sens.it TPMS Sensors were one of the first programmable sensors in the North American market.

Compatibility
Nobody talks to more vehicles than the RS+. We deliver more TRUE™ coverage than anyone in the business. Ask the other guys what their true coverage is. You might be surprised.

Functionality
Modern cars require more than just turning off the dashboard light. New cars have new functionalities and RS+ is ready to handle whatever they throw at us!

Support
Our US-based tech support is here anytime you need to talk. ASE Certified technicians are able to diagnose and walk you through any challenge.

alligator-tpms.com
View the app guide, training videos, tech docs and more online >>>

RS+ TPMS
programmable sensors



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Sens.it RS+ Dual Frequency TPMS Sensor with Clamp-in Silver Ball-Joint Valve: SKU 591132
Operation: Single SKU - Programmable & Cloneable
Frequency Range: 315 MHz & 433 MHz
Valve Material / Design:
OE Silver Aluminum Ball-Seat Valve Stem
Valve Angle: 12-40 degree adjustable

Sens.it RS+ Dual Frequency TPMS Sensor with Snap-in Rubber Valve: SKU 591134
Operation: Single SKU - Programmable & Cloneable
Frequency Range: 315 MHz & 433 MHz
Valve Material / Design:
EPDM Rubber Fixed Angle Valve Stem

591132	RS+ TPMS Sensors w/ ball-joint valve, Silver	12 sensors per box, 192 sensors per case
591134	RS+ TPMS Sensors w/ U2 rubber snap-in valve	12 sensors per box, 192 sensors per case
591138	Replacement ball-joint metal valves, Silver (individual)	20 valves per box
591133	Replacement ball-joint metal valves, Black (individual)	20 valves per box
591139	Replacement fixed-angle metal valves, Silver (individual)	20 valves per box
0401-0022-481	Replacement U2 rubber snap-in valve (individual)	20 valves per box
591320	Replacement U2 rubber snap-in valve (bulk)	50 valves per bag, 300 valves per case

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First-to-Market
Stats show that many brand new vehicles get custom wheels within the first 3-months. Alligator is ready with first-to-market firmwares for new models!

EV Approved
Electric vehicle adoption is growing! RS+ TPMS works on many EVs, including Audi, Ford, GM, Land Rover, Rivian, Tesla and over 100+ other EVs on the road today.

Premium Tools
We work with the best TPMS tool manufacturers in the industry to offer premium solutions to the marketplace. We know you want options and that is what we provide.

Legendary
Alligator has been around since 1920, serving the market with quality air control solutions for more than 100 years.

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Universal service kits make life easier.

ONLINE VIEWING 2025

Challenges for shops:

- There are many different types of OE service kits necessary to cover all the vehicles in the market
- Too many parts to stock equals too much money in inventory
- Technician training is difficult

Benefits of Universal Kits:

- The reduction in SKUs equals a reduction in dead stock
- Simplification helps speed up the maintenance and training process
- Add bottom line and avoid lost sales from not having the right kits!

How did we do it?

- Through research, we identified the commonalities between the majority of TPMS sensors
- We developed a single service kit SKU that works for **97%** of OE metal valve stem TPMS sensors
- We provide a single service kit SKU that works for **80%** of OE rubber snap-in valve stem TPMS sensors

How does it work?

- For most metal valve stems, utilize the U1 kit. Using the U1 instruction poster, select the correct components needed for the sensor and discard the unused components.
- For most rubber snap-in valves, utilize the U2 kit. Our universal rubber snap-in valve fits vehicles like Chrysler, Ford, GM, Honda, Subaru, Volvo and many others.

ONLINE VIEWING 2025

Save time and money!

- A franchise with eight locations that do 16 tires per day, 6 days per week, can generate $40k-50k in revenue from metal service kits alone!
- Alligator Universal service kits could save as much as 15% in cost and as much as 83 hours per year in labor!

Universal Metal Service Kits SAVINGS CALCULATOR	
Number of shop locations?	8 Locations
Number of tires per day w/ TPMS?	16 Tires Per Day w/ TPMS
Number of days open per week?	6 Days Per Week
DATA REPORT	
38,400	<< TOTAL TIRES w/ TPMS SERVICED ANNUALLY
9,600	<< METAL SERVICE KITS USED ANNUALLY
$11,520	<< METAL SERVICE KIT COSTS ANNUALLY
$47,904	<< METAL SERVICE KIT REVENUE ANNUALLY
SAVINGS REPORT!	
83	<< HOURS SAVED WHEN USING UNIVERSAL KITS
$1,692	<< DOLLARS SAVED WHEN USING UNIVERSAL KITS
15%	<< % SAVED WHEN USING UNIVERSAL KITS

Ask your sales rep to run a SAVINGS CALCULATOR analysis for your operation!

2 KITS = 94% COVERAGE

For METAL valve stems - includes all shown





U1

For RUBBER valve stems





TIP

U2

How universal service kits work video:

How to install U1 service kit video:



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Less Frustration

There are many different types of OE direct-fit replacement service kits necessary to cover all the vehicles in the global passenger car market. This often means there are too many parts to stock which equals too much money in inventory

More Opportunity

Moving to universal service kits provides a reduction in SKUs which equals a reduction in dead stock. Simplification of inventory helps speed up the maintenance and training process. Add bottom line and avoid lost sales from not having the right kit in stock.

Better Results

By servicing customers each and every time with a solution that you trust, you can be confident you are providing a safe vehicle in return and confident you are making the best financial decision for your business.

TPMS TECH SUPPORT
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WALL POSTER
ON NEXT PAGE >>>
REMOVE AND HANG ON WALL NEAR TIRE CHANGER

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TPMS UNIVE

2000-2021 Cadillac, Chevrolet, Chrysler, Dodge, Jeep, Nissan, Mitsubishi & Subaru

S-G2

2003-2017 Acura, Honda, Infiniti, Lexus, Nissan & Toyota

P-G2

2012-2024 Infiniti, Lexus, Nissan, Scion & Toyota

P-LA

2011-2018 Hyundai & Kia

T-LCCI

2020-2024 Infiniti, Lexus, Nissan & Toyota

P-H

2004-2015 Buick, Cadillac, Chevrolet, GMC & Isuzu

S-GJ

2008-2024 Acura, Honda, Hyundai, Kia & Toyota

T-G3

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Some sensors may be ineligible to use the U1 service kit.

2019-2024 Audi, BMW, Mercedes, Porsche & Volkswagen

H-G5

2008-2024 Audi, BMW, Porsche & Volkswagen

H-G3

2014-2024 Audi, BMW, Mini, Porsche & Volkswagen

H-G4

For example, some of the sensor shapes shown here have a different nut thread pitch count. All other components can be used to complete the valve service.



Most valve stems with a fixed flat base.



DO NOT USE



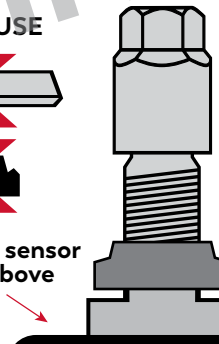
Core Torque 3 in-lbs

Nut Torque 35 in-lbs

Use the large grey grommet

Check the sensor shape above





TPMS SENSOR

Instructions U1-1

How to use this guide: Use the TPMS sensor shadow drawings as shown to determine the correct service kit components when using the Alligator "U1" Universal Service Kit for OE metal stem TPMS sensors. Once your OE TPMS Sensor is removed from the wheel assembly, hold it up to the shadow drawings to determine a match. Once a match is found, follow the instructions shown in the corresponding box. For U1 eligible sensors, the components shown with a red X are not to be used and can be discarded. Always utilize the torque measurements as shown. If your sensor does not match any of the shadow drawings shown, then utilize the standard application guide. NOTE: **Shadow drawings are for general identification only** and the most popular sensors are shown. 95% of the North American OEM TPMS sensor market are represented in the shadow drawings shown on this poster.

ERSAL SERVICE KITS

ONLINE VIEWING 2025

2009-2024 Acura, BMW, Cadillac, Chrysler, Dodge, Hyundai, Infiniti, Jeep, Kia, Mazda, Nissan & Volvo

C-TG1C

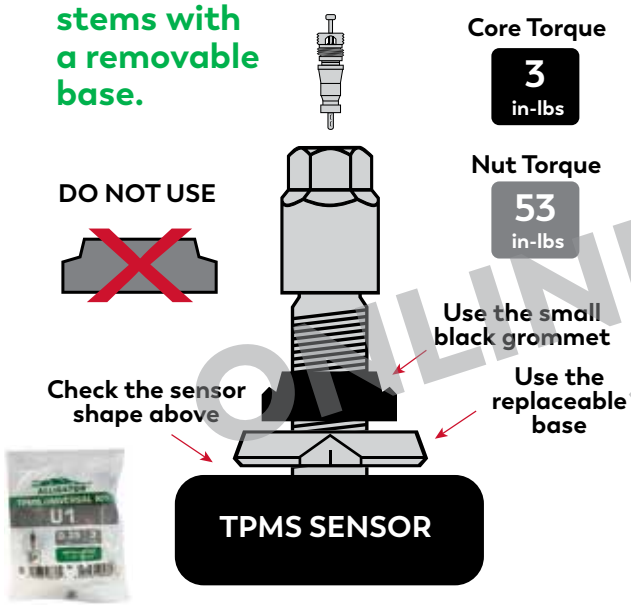
2011-2022 Chevrolet, Dodge & Mercedes

S-G

2004-2017 Audi, Buick, Chevy, Chrysler, Dodge, GMC, Jaguar, Jeep, Volkswagen & Volvo

C-TG1B

Most valve stems with a removable base.



Instructions U1-2

2006-2021 Chrysler, Dodge, Jeep, Mercedes & Mitsubishi

S-A

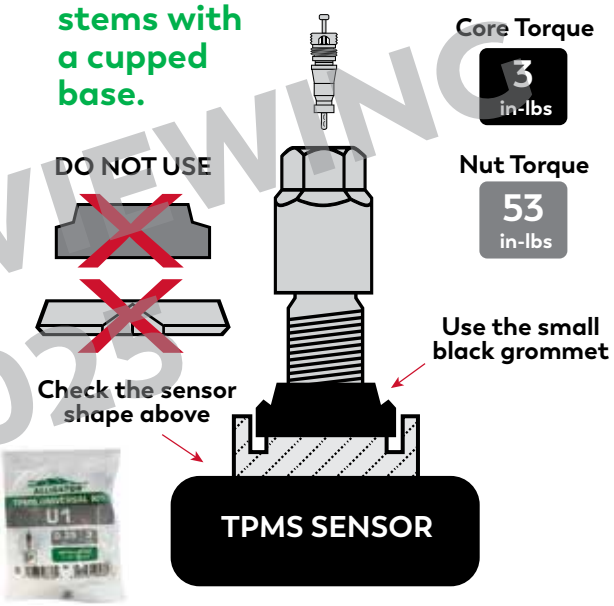
2005-2013 Dodge & Mercedes

C/S-TG1BA

2005-2013 Ford

S-F

Most valve stems with a cupped base.



Instructions U1-3

How universal service kits work video:

How to install U1 service kit video:







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Standard service kits

Notes:

- Descriptions & fitments may not be complete. Check full application guide for complete details.
- Cross reference detail provided for assistance.

Green = Universal Service Kits fit the valve

Red = Universal Service Kits do NOT fit the valve.

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SKU: **591301**

VDO TG1B for Chrysler, GM, VW, Hyundai, Mazda, Volvo & Others

X-REF:
1050K
20030
6108
21102



U1-3 NUT TORQUE: 71 IN/LBS.

SKU: **591302**

SCH Gen 2/3 primarily for Ford

X-REF:
1060K
20002
6104



U1-3 NUT TORQUE: 44 IN/LBS.

SKU: **591303**

SCH Gen J for GM, Isuzu, Saab & Others

X-REF:
1070K
20004
6102



U1-1 NUT TORQUE: 62 IN/LBS.

SKU: **591304**

SCH Gen 2/3 for Chrysler, GM, Infinity, Nissan, Subaru & Others

X-REF:
1080K
20003
6103



U1-1 NUT TORQUE: 38 IN/LBS.

SKU: **591305**

Huf Sensor for Audi, BMW, Mercedes, Porsche, VW & Others

X-REF:
1090K
20023
6110
21106



U1-1 NUT TORQUE: 35 IN/LBS.

SKU: **591306**

Pacific LFB1 / LFC1 for Acura, GM, Honda, Kia, Lexus, Scion, Subaru, Toyota & Others

X-REF:
1100K
20032
6111
21029



U1-1 NUT TORQUE: 35 IN/LBS.

SKU: **591307**

Pacific LFB1 / LFC1 for GM, Isuzu & Others

X-REF:
1110K
20031
6116
21030



U1-1 NUT TORQUE: 35 IN/LBS.

SKU: **591308**

SCH Gen 2/3 for Infiniti, Mazda, Mitsubishi, Nissan & Others

X-REF:
1130K
20005
6112



U1-3 NUT TORQUE: 49 IN/LBS.

SKU: **591309**

Huf Gen 2 for Acura, BMW, Honda, Hyundai, Kia. Mercedes, Tesla & Others

X-REF:
2000K
20021
6109
21032



NUT TORQUE: 35 IN/LBS.

SKU: **591310**

SCH Gen 2/3 for GM, Lotus, Saab, Saturn, Suzuki, Volvo & Others

X-REF:
2010K
20009
6118/6122
20010



U1-3 NUT TORQUE: 44 IN/LBS.

SKU: **591311**

TRW Gen 2 for Cadillac, Chevrolet, GMC & Others

X-REF:
2020K
20015
6125
21036



U1-1 NUT TORQUE: 44 IN/LBS.

SKU: **591312**

SCH Gen Alpha for BMW, Chrysler, Ford, GM, Mercedes, Nissan, Tesla & Others

X-REF:
2030K
20014
6120
21037



U1-2 NUT TORQUE: 58 IN/LBS.

SKU: **591313**

TRW Gen 1 for Honda, Hyundai, Kia, Toyota & Others

X-REF:
2040K
20019
6127
21138



U1-1 NUT TORQUE: 40 IN/LBS.

SKU: **591314**

Pacific LFB1 / LFC1 primarily for Lexus

X-REF:
1120K
20033
6117
21031



NUT TORQUE: 44 IN/LBS.

SKU: **591315**

VDO TG1C for Acura, Chrysler, GM, Hyundai, Mazda, Nissan, Volvo & Others

X-REF:
7020K
20050
6138
21111



U1-2 NUT TORQUE: 71 IN/LBS.

SKU: **591316**

VDO TG1C for Acura, Chrysler, Dodge, Jeep, Nissan & Others

X-REF:
7000K
20051
6139
21113



U1-2 NUT TORQUE: 71 IN/LBS.

SKU: **591317**

VDO TG1B for Audi, VW & Others

X-REF:
1031K
20017
6129
21206



U1-3 NUT TORQUE: 71 IN/LBS.

SKU: **591318**

VDO TG1B for Audi, VW & Others

X-REF:
1030K
6115
21027



U1-3 NUT TORQUE: 71 IN/LBS.

TYPE: **591320**

TIP

U2 snap-in valve, but bulk packaged with 50 valves per bag, 6 bags per case.

X-REF:
VS950
6207
21060
20018



U2

SKU: **591321**

Lear Snap-In with Hex Nut

X-REF:
VS1010
6209



SKU: **591340**

TIP

TRW Gen 4 Snap-In

X-REF:
VS65
20635
6211
21636



SCREW TORQUE: 12 IN/LBS.

SKU: **591341**

TIP

Conti TG1D Snap-In

X-REF:
VS90
6208
20043
21761



SKU: **591343**

TIP

Faraday & Mini HSS Snap-In

X-REF:
VS20
6210(H)
20045
20046



SCREW TORQUE: 12 IN/LBS.

SKU: **591345**

TIP

Pacific N11 Snap-In

X-REF:
VS30
6503
21370



SKU: **5911138**

Silver Ball-Joint Valve use with RS+ Metal TPMS SKU: 591132



U1-1

NUT TORQUE: 35 IN/LBS.

SKU: **591133**

Black Ball-Joint Valve use with RS+ Metal TPMS SKU: 591132



U1-1

NUT TORQUE: 35 IN/LBS.

SKU: **591139**

TIP

Silver Fixed-Angle Valve use with RS+ Rubber TPMS SKU: 591134

X-REF:
VS925A
6216
21051



U1-1

SCREW TORQUE: 12 IN/LBS.
NUT TORQUE: 35 IN/LBS.

SKU: **590906**

OEM Silver Ball-Joint Valve: 43mm/200psi



U1-1

NUT TORQUE: 35 IN/LBS.

SKU: **590908**

OEM Black Ball-Joint Valve: 43mm/200psi



U1-1

NUT TORQUE: 35 IN/LBS.

SKU: **590904**

OEM Titanium Ball-Joint Valve: 43mm/200psi



U1-1

NUT TORQUE: 35 IN/LBS.

SKU: **591322**

Sprinter Metal Valve Stem w/ Internal Shear Ring

X-REF:
1098K
6218
21765
21038



NUT TORQUE: 53 IN/LBS.

SKU: **591326**

Conti/Siem/VDO TG1C Valve Kit Acura, Chrysler, Dodge, Honda, Hyundai, Nissan, Volvo & Others

X-REF:
VS70
20049
6231C
21117



U1-2

NUT TORQUE: 71 IN/LBS.

SKU: **591330**

Mercedes Metal Valve Stem w/ Internal Shear Ring

X-REF:
1040K
6206(B)
20036
21028



NUT TORQUE: 53 IN/LBS.

SKU: **591342**

SCH Alpha Metal Valve Stem

X-REF:
9066K
6228
20013
21748



U1-1

NUT TORQUE: 53 IN/LBS.

SKU: **591344**

SV TG1B metal Valve Stem

X-REF:
6201
21765



U1-3

NUT TORQUE: 53 IN/LBS.

SKU: **591346**

SCH Gamma Metal Valve Stem

X-REF:
VS40
6235
20016
20047



U1-2

NUT TORQUE: 71 IN/LBS.

SKU: **591347**

SYS BLE Metal Valve Stem for Tesla

X-REF:
VS490
6284BS
21382



U1-1

NUT TORQUE: 53 IN/LBS.

SKU: **591348**

SCH Gen 1

X-REF:
1077K
6123
20012



NUT TORQUE: 53 IN/LBS.

SKU: **591349**

TIP

Toyota Pacific Snap-In with Stepped Screw

X-REF:
VS15
6507



SCREW TORQUE: 12 IN/LBS.

SKU: **591360**

Dodge Ram Dually - TR543C$_{TPMS}$

X-REF:
VS35
TPS1502C
21638



NUT TORQUE: 80-130 IN/LBS.

SKU: **591365**

TRW Gen 2

X-REF:
VS965
6236
21118



U1-1

NUT TORQUE: 35 IN/LBS.

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Service kits x-reference

Alligator SKU:	Universal Fitment Guide:	X-REF 1:	X-REF 2:	X-REF 3:	X-REF 4:	X-REF 5:
Universal Service Kits						
0401-0022-482	U1 (20 pack)	-	-	-	-	-
0401-0022-481	U2 (20 pack)	VS950	6207	20018	1720018	21060
591320	U2 (50 pack)	VS950	6207	20018	1720018	21060
Standard OE Service Kits						
591301	U1-3	1050K	6108	20030	1720201AK	21102
591302	U1-3	1060K	6104	20002	1720096AK	20002
591303	U1-3	1070K	6102	20004	1720107AK	20004
591304	U1-1	1080K	6103	20003	1720028AK	20003
591305	U1-1	1090K	6110	20023	1720211AK	21106
591306	U1-1	1100K	6111	20032	1720216AK	21029
591307	U1-1	1110K	6116	20031	1720217AK	21030
591308	U1-3	1130K	6112	20005	1720005AK	20005
591309	Requires OE kit	2000K	6109	20021	1720206AK	21032
591310	U1-3	2010K	6122	20009	1720009AK	20010
591310	U1-3	2010K	6118	20009	1720009AK	20010
591311	U1-1	2020K	6125	20015	1720015AK	21036
591312	U1-2	2030K	6120	20014	1720014AK	21037
591313	U1-1	2040K	6127	20019	1720204AK	21138
591314	Requires OE kit	1120K	6117	20033	1720221AK	21031
591315	U1-3	7020K	6138	20050	1720720AK	21111
591316	U1-3	7000K	6139	20051	1720700AK	21113
591317	U1-3	1031K	6129	20017	1720207AK	21206
591318	U1-3	1030K	6115	20017	1720202AK	21027
Specialty Rubber and Specialty Metal Full Stem OE Service Kits						
591321	Special rubber valve	VS1010	6209	-	1750399	-
591322	Requires OE kit	1098K	6218	-	1720198AK	21038
591326	U1-3 (plus stem)	VS70	6231C	20049	1720725AK	21117
591330	Requires OE kit	1040K	6206B	-	1720203AK	21028
591340	Special rubber valve	VS65	6211	20635	1750395	21636
591341	Special rubber valve	VS90	6208	20043	1750397	21761
591342	Special rubber valve	9066K	6228S	-	1720020AK	21748
591343	Special rubber valve	VS20	6210(H)	20046	1720045	21766
591344	U1-3 (plus stem)	-	6201	-	-	21765
591345	Special rubber valve	VS30	-	-	-	21370
591346	U1-2 (plus stem)	VS40	6235	20016	-	6-235
591347	U1-1 (plus stem)	VS490	6284BS	-	-	21382
591348	Requires OE kit	1077K	6123	-	-	-
591349	Special rubber valve	VS15	6507	-	-	-
591365	U1-1 (plus stem)	VS965	6236	-	1750391	21118
590307	U1-1 (plus stem)	1093	6221	-	1720045	-
590337	U1-1 (plus stem)	1092	6220B	20037	-	21079
590357	U1-1 (plus stem)	1095	6223B	20040	-	21076
590387	U1-1 (plus stem)	1094	6222B	20039	-	21077
591139	U1-1 (plus stem)	VS925A	6216	-	-	21051

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Sink your teeth into these promo packs!

RS+ TPMS makes it easy.



BOTH KITS INCLUDE:
24 SENSORS
+ TPMS TOOL



30212

Two options. Both deliver the goods!

SKU: RSPROMO-01 = The complete shop solution

591132	RS+ TPMS Sensors w/ ball-joint valve, Silver	1 Box (12 Sensors)
591134	RS+ TPMS Sensors w/ rubber snap-in valve	1 Box (12 Sensors)
30212	AVT41 TPMS Tool w/ 5-Year FREE updates	1 TPMS Tool
591138	Replacement ball-joint valves, Silver	1 Box (20 Valves)
591133	Replacement ball-joint valves, Black	1 Box (20 Valves)
591139	Replacement fixed-angle aluminum valves	1 Box (20 Valves)
0401-0022-482	U1 - Universal metal service kit packs	1 Box (20 Kits)
19108	GATOR CAGE - Wall mountable storage cabinet	Holds 10 boxes
18405	TPMS application quick reference guide	with Wall Poster!



591134

Industry leading TRUE™ coverage



591132

OEM matched firmwares



Premium valves and accessories



U1 Kit

Local & knowledgable support team

SKU: RSPROMO-02 = Simple starter pack

591134	RS+ TPMS Sensors w/ rubber snap-in valve	2 Boxes (24 Sensors)
30212	AVT41 TPMS Tool w/ 5-Year FREE updates	1 TPMS Tool

Kits available while supplies last. Kits designed to be sold as a single unit.
RSPROMO-01 = UPC: 810050060356 = Box: 22" W x 9" T x 6.25" D, 15-lbs
RSPROMO-02 = UPC: 810050060493 = Box: 10" W x 10" T x 6" D, 4-lbs

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Need some tools?

How to update AVT41 video:



AVT41 Alligator TPMS Wireless Tool by ATEQ SKU: 030212
Retrieves IDs from all TPMS sensors; programs & clones Alligator sensors. Includes 5-years FREE updates.



The Gator Cage video:

TPMS "Gator Cage" Metal Wall Cabinet
SKU: 19108
22" W x 9" T x 6.25" D. Holds up to 10 casepack cartons, with five cartons facing out.



Rubber Valve Puller
SKU: 231900



Torque driver
SKU: 237005
12 in. lb. TORX T10 Head

ONLINE VIEWING 2025

TPMS TECH SUPPORT
855.573.6748
alligator-tpms.com

ALLIGATOR is a brand of
WEGMANN automotive

WEGMANN automotive USA Inc.
1715 Joe B Jackson Parkway
Murfreesboro, TN 37127
1-888-215-4575
ordersna@wegmann-automotive.com

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