



PREMATM

Taking Care of Your Tires.

PREMA TPMS Catalog



PREMA TPMS SOLUTIONS

PREMA U-PRO offers a high quality and innovative TPMS product range, manufactured in an OE environment with the strictest and most exacting level of inspection and testing. TPMS sensors are manufactured and tested on a fully automated production line. The TPMS range includes the universal **PREMA U-PRO Hybrid sensor**, tools, valves, service parts and **PREMA U-PRO's** diagnostic tools, manufactured by market leader, **ATEQ**.

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TPMS TECHNICAL SUPPORT

Having issues with TPMS? Call us today!

Hamaton
Innovation to Perfection

Sensor Support
1 (888) 588-7039



WE TAKE TPMS SERIOUSLY

PREMA PREM-H47 TPMS SCAN TOOL

- Powered by ATEQ
- Programs/Configures U-Pro 2.0 TPMS Sensors within seconds
- Displays all sensor data in seconds (ID, Tire Pressure, Tire Temperature and Battery status)
- Copy/Clone a TPMS Sensor
- Copy a Set of TPMS Sensors
- Integrated OBDII Module
- Unlock ECU for Toyota Vehicles
- Manual ID Entry
- Retrieve IDs from ECU
- Placard Pressure Change
- Includes ATEQ's patented OBD Sync-ID
- 60% of all Direct TPMS vehicles can relearn through the OBD with the PREMA H47
- Provides OEM, U-Pro Hybrid 2.0 & TPMS Replacement Valve/Service Kit Part Number
- On-Board Relearn Procedures
- Interface in multiple languages
- Easy to read 2.8" Color Display
- Charger & Cable Connector Included
- Plastic Carrying Case



**FREE
LIFETIME
SOFTWARE
UPDATES!**

Part #	Description	Qty
PREM-H47	PREMA PREM-H47 TPMS SCAN TOOL	1

**2 Years Manufacturer's Warranty on
PREM-H47 Diagnostic Tool and
FREE LIFETIME SOFTWARE UPDATES!**



PREMA U-PRO Hybrid 2.0 TPMS Sensor

Dual Band / Multi-Frequency Sensor with Rubber Snap-In Valve
CONFIGURABLE AND PROGRAMMABLE.

- Dual Band / Multi-Frequency—Covers 314.95, 315, 433, 433.95 and 434 MHz
- Configurable and Programmable
- The only available Dual Band / Multi-Frequency, Configurable and Programmable TPMS Sensor in the market today
- Interchangeable valves—Easily swap Snap-In and Clamp-In valves
- Auto-location functionality for LOS, WAL and PAL technologies
- 97% True Vehicle Coverage, Includes 2019 and 2020 models
- Fastest configurable / programmable sensor in the market
- High Pressure Valve Stem Rated at 115 PSI
- Multi-Fitment TPMS Sensor Body: Most popular TPMS Valves already in the market today fit the PREM-ONE Sensor (For example 6-207, 20008/20018, VS950)

3 Years Manufacturer's Warranty



Part #	Description	Qty/Box
PREM-ONE	PREMA U-PRO Hybrid 2.0 TPMS Sensor	1

Configurable Sensor: A sensor that contains a variety of protocols that have already been programmed to a chip within the sensor. A TPMS scan tool is required to activate the protocol that is relevant to a select vehicle.

Programmable Sensor: A sensor that can receive uploaded vehicle protocol via a TPMS scan tool.

ALL TPMS TOOLS CAN READ the PREMA U-PRO HYBRID TPMS Sensor once it is programmed/configured.

Currently available today, there are 33 ATEQ made tools that are capable to program/configure the U-PRO and U-PRO Hybrid 2.0 Sensors (i.e. PREM-ONE). Airtech VT46, ATEQ VT36, ATEQ VT55, ATEQ VT56, Hamaton H36, Hamaton H46, Hamaton H47, Hamaton H56, JS Products 46, KTool 36, KTool 46, KTool VT36, Launch TSAP 36, MAC Tools 3838, Matco 46, Matco VT56, Monster VT36, Monster VT46, Myers 360, Myers VT46, NAPA Echlin VT56, NAPA 46 92-1541, OTC 3838, PREMA H46, PREMA H47, PREMA H56, SMP 46 T46000, SMP VT56 T56000, Snap-on TPMS3, Snap-on TPMS4, TECH 46, TECH 47, TECH 56.

TPMS STARTER BUNDLE

PREM-TPMSB5 Kit

Part #	Description	Qty
PREM-TPMSB5	PREM-TPMSB5 Kit	1

PREM-TPMSB5 Kit Includes:

- 20 x PREMA U-PRO Hybrid 2.0 TPMS Sensor (PREM-ONE)
- 1 x PREM-H47 Diagnostic Tool with Integrated OBDII Module
- 1 x Connector
- 1 x Universal Charger
- Plastic Carrying Case



FREE LIFETIME SOFTWARE UPDATES!

+



2 Years Manufacturer's Warranty on PREM-H47 Diagnostic Tool and FREE LIFETIME SOFTWARE UPDATES!



The 1st Program-By-Phone Sensor!

PREMA U-Pro Hybrid NFC Universal Sensor w/ Snap-In

- Configurable/Programmable with an NFC-enabled Android phone and all iPhones from iPhone 7 onwards with a minimum of iOS 15
- Mobile data or Wi-Fi connection is required. Apple users must select the "Remote" option from the Settings menu within the Hamaton NFC App
- Carries both 315 and 433 MHz Frequencies

Part #	Description	Qty
PREM-ONE-NFC	PREMA U-Pro Hybrid NFC Universal Sensor w/ Snap-In	1

Replacement Stem requires the Parallel Type Base Design (i.e.: 6-207A-1, 6-207, 20018, 17-20018, 6-266, 2-266BK, 34000).

Nut Torque: Snap-In

Snap-In Screw Torque: 12.39 in.-lbs.

Clamp-In Nut Torque: 35.5 in.-lbs.



The sensor can be configured and programmed with several TPMS diagnostic tools or, alternatively, with Hamaton's user-friendly, free phone application.

What is NFC:

NFC (Near Field Communication) is a short-range wireless technology that allows compatible devices to communicate. Its most common use on a smartphone is making quick and easy payments with Apple Pay or Google Pay.



THE WORLD'S NO.1 EV IS BLE SENSOR EQUIPPED* TIRE SHOPS SHOULD BE TOO!

Blue Tooth Sensor for Tesla Vehicles

- Pre-Programmed for Tesla Model 3, S, X & Y
- Cost-Efficient Aftermarket TPMS Solution
- Direct Replacement for OE Sensor
- No Programming Required

Part #	Description	Qty
BLE	Blue Tooth Sensor for Tesla Vehicles	1

*According to Statista, the Tesla Model 3 was the world's most popular plug-in electric vehicle in 2021.

Tesla vehicles using BLE sensors: Model3 (Oct 2020+), Model S (Jun 2021+), Model X (Oct 2021+) and Model Y (Oct 2020+).





VT56 OBDII TPMS Diagnostic & Reset Tool

A comprehensive TPMS diagnostic tool with intuitive features and functions that promote user-friendliness, speed, accuracy and intelligence. This tool enables technicians to manage TPMS through every step of the process from start to finish.

Features & Benefits

- VIN barcode scanner select's Make, Model and Year in seconds
- Activates, diagnoses and reads 100% of OE and Aftermarket TPMS sensors, up to 2020 coverage
- Programs over 20 different brands of Aftermarket sensors
- 98.6% TPMS reset coverage for all vehicles globally including Domestic, Asian and European
- Provides direct (OBD, auto, manual) and indirect TPMS relearn procedures
- ECU unlock for Toyota, Scion, and Lexus models with TPMS reset button/closed loop issue
- WiFi update feature allows to update the tool without the use of a PC.
- An entire customer management system from bay to counter via customer portal (WebVT)
- Program by create, copy, copy by OBD, copy by set of sensors, TPMS ID input
- Displays all sensor data on one screen
- Optional Tire Tread Depth Gauge provides a complete tire management system with ability to display tire tread readings for the tire's inner, outer and center tread.



1 Year Warranty on VT56 Diagnostic Tool & 2 Years of Free Software Updates!

Part #	Description	Qty
104100056	ATEQ VT56 TPMS Diagnostic Tool & Reset Tool	1

ATEQ OBDII MODULE

PREM-H46 Accessory or replacement OBDII Module for ATEQ VT56.

An OBDII module is necessary for many Asian and European vehicles to enable relearn mode. Relearn mode enables a vehicle to copy the sensor ID's when a TPMS tool is used to activate or trigger a sensor.



Part #	Description	Qty
PREM-H46-OBDD	PREMA/Ateq OBDII MODULE	1

Torque Kit

Allows the Technician to install the valve and sensor correctly making sure all torque settings are applied.

Contents:

- Torque Wrench Kit
- Valve Core Torque Tool
- Rubber Grommet Pick Tool
- Sleeve for Torque Wrench
- Torque Tool for Valve and Sensor Assembly
- Rubber Grommet Removal Tool
- T5, T10, T15, and T20 Torx Heads
- Valve Core Tool.

Part #	Description	Qty
104100001	Torque Kit	1



Torque Valve Core Tool

Part #	Description	Qty/Box
104000032	Torque Valve Core Tool	10





6-266 CLAMP-IN Metal Valve for PREM-ONE

• 2 year manufacturer's warranty *Valve Stem Rated at 115 psi.*

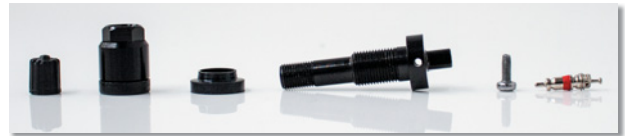
Part #	Description	Qty/Box
6-266	CLAMP-IN Metal Valve for PREM-ONE	10



6-266BK CLAMP-IN Black Metal Valve for PREM-ONE

• 2 year manufacturer's warranty *Valve Stem Rated at 115 psi.*

Part #	Description	Qty/Box
6-266BK	CLAMP-IN Black Metal Valve for PREM-ONE	10



6-207 OE SNAP-IN for PREM-ONE

• 2 year manufacturer's warranty *Valve Stem Rated at 115 psi.*

Part #	Description	Qty/Box
104100404	6-207 OE SNAP-IN for PREM-ONE	10



Alternate Option: 6-207A-1 (Bag 100). *Valve Stem Rated at 68 psi.*

6-207A-1 / Snap in Valve for PREM-ONE / Schrader EZ-sensor®

Part #	Description	Qty/Box
104100005	6-207A -1/ Snap in Valve for Schrader EZ-sensor®	100

Cross Reference

PREMA USA Hamaton Product	Dill	31 Inc.	Alligator	Schrader
6-207 / 6-207A-1	VS-950	17-20018	591320	20018



Schrader EZ-sensor® (315 & 433MHz)

Schrader's® new single SKU solution enables ONE EZ-sensor® to cover over 100 million TPMS-enabled vehicles in North America.

Part #	Description	Qty/Box
104100035	33500B Schrader EZ-sensor® (315 & 433MHz)	12



6-234 / Clamp-in Metal Valve for Schrader EZ-sensor®

Part #	Description	Qty/Box
104100006	6-234 / Clamp-in Metal Valve for Schrader EZ-sensor®	10



TPMS Valve Cap, TPMS Valve Core

Part #	Description	Qty/Box
104100039	TPMS Valve cap, black	100
TRC1 HT	TPMS Compatible, High Temperature Valve core Standard bore, Nickel plated	100





PREMA Specialty TPMS Valves

6-207-B

Snap in Valve that can be used in place of 6-207, 6-207A-1, 6-210, 6-210H & 6-213. Box of 10.
T-10 Screw Torque: 12.5 inch lbs. (1.4 Nm)

SKU #104100007

Comparative Part Numbers: Dill: VS-950 / VS-20



6-207-B

6-270

Aluminum valve stem for Lexus and Toyota. Box of 10.
Torque: Nut 35.5 in-lbs. -T10 Screw Torque 12.5 in-lbs.

SKU #104100014

Comparative Part Numbers: Dill: VS-312



6-270

6-415/TPS-1-502C

Clamp-in stem for 0.625" valve hole for TRW RAM. Box of 10.
Torque: Nut 35.5 in-lbs. -T10 Screw Torque 12.5 in-lbs.

SKU #104100422

Comparative Part Numbers: Dill: VS-35, 31 Inc.: 17-50396



6-415/TPS-1-502C

6-437AL

Tri-Fit Clamp-In Valve for parallel, square and right angle valve bases. Box of 10.
Torque: Nut 35.5 in-lbs. -T10 Screw Torque 12.5 in-lbs.

SKU #104100013

Comparative Part Numbers: Dill: VS-240 Alloy



6-437AL

6-439AL

Clamp-in stem for 0.625" valve hole for TRW RAM.
Torque: Nut 35.5 in-lbs. -T10 Screw Torque 12.5 in-lbs.

SKU #104100016

Comparative Part Numbers: Dill VS-920



6-439AL

6-503

Replacement Snap-In Valve for Nissan: Includes locking clip. Box of 10.
Torque - Clip Style

SKU #104100008

Comparative Part Numbers: Dill: VS-30, 31 Inc.: 17-20044



6-503

6-507

Replacement Snap-In Valve for Toyota: Includes stepped screw. Box of 10.
T10 Screw Torque - 12.5 in-lbs

SKU #104100012

Comparative Part Numbers: Dill: VS-15



6-507

TPMS-416AL

Clamp-in stem for 0.625" valve hole for Schrader GM, Ford, RAM. Box of 10.
Torque: Nut 35.5 in-lbs. -T10 Screw Torque 12.5 in-lbs.

SKU #104100009

Comparative Part Numbers: Dill: VS-919, 31 Inc.: 17-50392



TPMS-416AL

TPS-412

Short Snap-in Valves for Schrader Gen 4. Box of 10.
T10 Screw Torque - 12.5 in-lbs

SKU #104100015

Comparative Part Numbers: Short version of 6-207, 31 Inc.: 17-50398



TPS-412



HOW TO: *COPY/CLONE* a TPMS Sensor ID using the PREM-H47 TPMS Scan Tool



PREM-H47 TPMS SCAN TOOL FUNCTIONS



*The information contained herein is accurate and reliable as of the date of publication; however, we do not assume any liability whatsoever for the accuracy and completeness of the above information.

1

From the main menu, select **PROGRAM SENSOR** and press **OK**.

2

Select vehicle's **MAKE, MODEL** and **YEAR**.

3

Select compatible **U-Pro Hybrid Sensor** and press **OK**.

4

Select **COPY ID**.

5

Place the tool against the sidewall of the tire. The antenna should be pointed towards the sensor.

Press the **TRIGGER** button to read the sensor information.

6

The sensor information will display, press **OK** to continue.

7

Place the new sensor near the tool's antenna.

Press the **TRIGGER** button to read the sensor information.

8

Please wait while the tool creates and verifies the new sensor ID.

HOW TO PROGRAM: *CREATE NEW* TPMS Sensor ID using the PREM-H47 TPMS Scan Tool



1

From the main menu, select **PROGRAM SENSOR** and press **OK**.

2

Select vehicle's **MAKE, MODEL** and **YEAR**.

3

Select compatible **U-Pro Hybrid Sensor** and press **OK**.

4

Select **CREATE SENSOR**.

5

Hold the tool against the tire's sidewall in close vicinity of the sensor. Alternatively, if the sensor isn't in the tire, position the tool's antenna towards it, within 3-6 inches. Press the **TRIGGER** button to start.

6

CONFIGURING will show while the tool is creating a new ID.

7

Once complete, the new ID Number and **SUCCESSFUL** will be displayed. Press **OK** to finish.

PREM-H47 TPMS SCAN TOOL FUNCTIONS



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Replacement Valves



6-201

Replacement Valves for VDO TG1B

A box of 10 clamp-in valves, each includes:
1 valve stem, 1 nut, 1 rubber grommet, 1 plastic
washer, 1 valve cap and 1 valve core.

Screw Torque: 8.85 inch lbs.

Nut Torque: 53 inch lbs. (6.0 Nm)

Comparative Part Numbers:

**Dill: N/A, 31 Inc.: N/A, Alligator: N/A,
Schrader: N/A**



6-204

Replacement Clamp-In Gen 1 Valves for HUF-56mm

A box of 10 clamp-in valves, with each including:
1 valve stem, 1 nut, 1 valve cap and 1 valve core.

These valves are suitable for use with Huf Gen 1 type
sensors. The length of this valve is 56mm.

Nut Torque: 35 inch lbs. (4.0 Nm)

Comparative Part Numbers:

**Dill: 1097K, 31 Inc.: 17-20035AK,
Alligator: 590805, Schrader: 20035**



6-206B

Replacement Clamp-In Valves for VDO MB

A box of 10 clamp-in valves, each includes:
1 valve stem, 1 nut, 1 rubber grommet, 1 screw,
1 valve cap and 1 valve core.

Nut Torque: 53 inch lbs. (6.0 Nm)

Comparative Part Numbers:

**Dill: 1040K, 31 Inc.: 17-20203AK,
Alligator: 591330, Schrader: N/A**



6-207

Replacement Snap-In Valves for Schrader Rev 4

A box of 10 snap-in valves, each includes:
1 valve stem, 1 screw and 1 valve cap.

T-10 Screw Torque: 12.5 inch lbs. (1.4 Nm)

Comparative Part Numbers:

**Dill: VS-950, 31 Inc.: 17-20018,
Alligator: 591320, Schrader: 20018**



6-208

Replacement Snap-In Valves for VDO TG1D

A box of 10 snap-in valves, each includes:
1 valve stem, 1 screw and 1 valve cap.

T-10 Screw Torque: 12.5 inch lbs. (1.4 Nm)

Comparative Part Numbers:

**Dill: VS-90, 31 Inc.: 17-50397,
Alligator: N/A, Schrader: 20043**



6-210

Replacement Snap-In Valves for Schrader EZ-Sensor

A box of 10 snap-in valves, each includes:
1 valve stem, 1 screw and 1 valve cap.

T-10 Screw Torque: 12.5 inch lbs. (1.4 Nm)

Comparative Part Numbers:

**Dill: VS-20, 31 Inc.: 17-20045,
Alligator: N/A, Schrader: N/A**



6-210H

Replacement Snap-In Valves for Schrader High Speed

These valves are suitable for use with Schrader High
Speed snap-in, Schrader Faraday and EZ-Sensor 2.0
sensors. A box of 10 high speed snap-in valves, each
includes: 1 valve stem, 1 screw and 1 valve cap.

T-10 Screw Torque: 12.5 inch lbs. (1.4 Nm)

Comparative Part Numbers:

**Dill: VS-20, 31 Inc.: 17-20046,
Alligator: N/A, Schrader: 20046**



6-211

Replacement Snap-In Valves for TRW Version 4 sensor

A box of 10 snap-in valves, each includes:
1 valve stem, 1 screw and 1 valve cap.

T-10 Screw Torque: 12.5 inch lbs. (1.4 Nm)

Comparative Part Numbers:

**Dill: VS-65, 31 Inc.: 17-50395,
Alligator: N/A, Schrader: 20635**



6-215A

Replacement Snap-In Valves for CUB multi sensors

A box of 10 snap-in valves, each includes:
1 valve stem, 1 screw and 1 valve cap.

T-10 Screw Torque: 12.5 inch lbs. (1.4 Nm)

Comparative Part Numbers:

**Dill: N/A, 31 Inc.: 17-43016,
Alligator: N/A, Schrader: N/A**



6-218

Replacement Clamp-In Valves for VDO MB

A box of 10 clamp-in valves, each includes:
1 valve stem, 1 nut, 1 rubber grommet, 1 screw,
1 valve cap and 1 valve core.

Valve Core Torque: 3 - 5 inch lbs.
Nut Torque: 53 Inch lbs. (6.0 Nm)

Comparative Part Numbers:
Dill: 1098K, 31 Inc.: 17-20198AK,
Alligator: 591322, Schrader: N/A



6-220B

Replacement Clamp-In Gen 1 Valves for HUF - 43mm

A box of 10 clamp-in valves, each includes:
1 valve stem, 1 nut, 1 rubber grommet, 1 plastic
washer, 1 valve cap and 1 valve core.

Screw Torque: 35.5 inch lbs. (4.0 Nm)
Nut Torque: 35.5 inch lbs. (4.0 Nm)

Comparative Part Numbers:
Dill: 1092K, 31 Inc.: N/A, Alligator: 590337,
Schrader: 20037



6-228T

Replacement Clamp-In Valves for Schrader Gen Alpha

A box of 10 clamp-in valves, each includes:
1 valve stem, 1 domed washer.

Nut Torque: 58 inch lbs. (6.5 Nm)

Comparative Part Numbers:
Dill: 9066K, 31 Inc.: 17-20020AK,
Alligator: N/A, Schrader: N/A



6-231C

Replacement Clamp-In Valves for VDO TG1C

A box of 10 clamp-in valves, each includes:
1 valve stem and 1 valve cap.

Nut Torque: 71 inch lbs. (8.0 Nm)

Comparative Part Numbers:
Dill: VS-70, 31 Inc.: 17-20725AK,
Alligator: 591326, Schrader: N/A



6-235

Replacement Clamp-In Valves for Schrader Gen Gamma

These valves are suitable for use with Schrader Gen Gamma and Schrader Gen Delta type sensors.

A box of 10 clamp-in valves, each includes:
1 valve stem, 1 nut, 1 rubber grommet,
1 plastic washer, 1 valve cap and 1 valve core.

Nut Torque: 53.1 inch lbs (6.0 Nm)

Comparative Part Numbers:
Dill: VS-40, 31 Inc.: N/A, Alligator: N/A,
Schrader: 20016



6-236

Replacement Clamp-In Valves for TRW version 2

A box of 10 clamp-in valves, each includes:
1 valve stem, 1 nut, 1 rubber grommet, 1 valve cap
and 1 valve core.

Nut Torque: 35.5 inch lbs. (4.0 Nm)

Comparative Part Numbers:
Dill: VS-965, 31 Inc.: 17-50391,
Alligator: 591365, Schrader: N/A

Service Kits



6-240

Replacement Clamp-In Gen 2 Valves for HUF - 43mm

A box of 10 clamp-in valves, each includes:
1 valve stem, 1 nut, 1 rubber grommet,
1 plastic washer, 1 valve cap and 1 valve core.

Screw Torque: 35.5 inch lbs. (4.0 Nm)
Nut Torque: 35.5 inch lbs. (4.0 Nm)

Comparative Part Numbers:
Dill: 1096K, 31 Inc.: N/A, Alligator: 590801,
Schrader: N/A



6-102

Service Kits for Schrader Gen J

A box of 10 service kits, each includes:
1 nut, 1 rubber grommet, 1 valve cap and 1 valve core.

Valve Core Torque: 3 - 5 inch lbs.
Nut Torque: 62 inch lbs. (7.0 Nm)

Comparative Part Numbers:
Dill: 1070K, 31 Inc.: 17-20107AK,
Alligator: 591303, Schrader: 20004



6-103

Service Kits for Schrader Gen 2/3

A box of 10 service kits, with each including: 1 nut,
1 rubber grommet, 1 valve cap and 1 valve core.
These service kits are suitable for use with Schrader
Gen 2/3 type sensors.

Valve Core Torque: 3 - 5 inch lbs.
Nut Torque: 38 inch lbs. (4.25 Nm)

Comparative Part Numbers:
Dill: 1080K, 31 Inc.: 17-20028AK,
Alligator: 591304, Schrader: 20003



6-104

Service Kits for Schrader Gen 2/3

A box of 10 service kits, with each including: 1 nut, 1 rubber grommet, 1 valve cap and 1 valve core.

Valve Core Torque: 3 - 5 inch lbs.
Nut Torque: 44 inch lbs. (5.0 Nm)

Comparative Part Numbers:

**Dill: 1060K, 31 Inc.: 17-20096AK,
Alligator: 591302, Schrader: 20002**



6-108

Service Kits for VDO TG1B

A box of 10 service kits, with each including: 1 nut, 1 rubber grommet, 1 plastic washer, 1 black valve cap, 1 gray valve cap and 1 valve core. These service kits are suitable for use with VDO TG1B type sensors.

Valve Core Torque: 3 - 5 inch lbs.
Nut Torque: 71 inch lbs. (8.0 Nm)

Comparative Part Numbers:

**Dill: 1050K, 31 Inc.: 17-20201AK,
Alligator: 591301, Schrader: 20030**



6-109

Service Kits for HUF Gen 2 Sensor

A box of 10 service kits, with each including: 1 nut, 1 rubber grommet, 1 valve cap and 1 valve core. These service kits are suitable for use with TRW version 2 type sensors.

Valve Core Torque: 3 - 5 inch lbs.
Nut Torque: 35 inch lbs. (4.0 Nm)

Comparative Part Numbers:

**Dill: 2000K, 31 Inc.: 17-20206AK,
Alligator: 591309, Schrader: 20021**



6-110

Service Kits for HUF Sensor

Used for the Huf Gen 1 ball-joint type TPMS valves for early Huf, TRW and Lear sensors. Please note that this service kit cannot be used on gen 2 or higher versions of the valve.

A box of 10 service kits, each includes:
1 nut, 1 rubber grommet, 2 metal washers, 1 screw,
1 valve core, 1 anti-rotation pin and 1 valve cap.

Valve Core Torque: 3 - 5 inch lbs.
Nut Torque: 35.5 inch lbs. (4.0 Nm)

Comparative Part Numbers:

**Dill: 1090K, 31 Inc.: 17-20211AK,
Alligator: 591305, Schrader: 20023**



6-111

Service Kits for Pacific LFB1 / LFC1

Used for the Huf Gen 2 type TPMS sensors. This product has been replaced by 6-116T

A box of 25 service kits, each includes:
1 nut, 1 rubber grommet, 1 metal washers,
1 screw, 1 valve core, and 1 valve cap

Valve Core Torque: 3 - 5 inch lbs.
Nut Torque: 35 inch lbs. (4.0 Nm)

Comparative Part Numbers:

**Dill: 1100K, 31 Inc.: 17-20216AK,
Alligator: 591306, Schrader: 20032**



6-112

Service Kits for Schrader Gen 2/3

A box of 10 service kits, with each including: 1 nut, 1 rubber grommet, 1 metal valve cap and 1 valve core. These service kits are suitable for use with Schrader Gen 2/3 type sensors.

Valve Core Torque: 3 - 5 inch lbs.
Nut Torque: 49 inch lbs. (5.5 Nm)

Comparative Part Numbers:

**Dill: 1130K, 31 Inc.: 17-20005AK,
Alligator: 591308, Schrader: 20005**



6-115

Service Kits for VDO TG1B

A box of 25 service kits, each includes:
1 nut, 1 rubber grommet, 1 plastic washer,
1 valve cap and 1 valve core.

Valve Core Torque: 3 - 5 inch lbs.
Nut Torque: 71 inch lbs. (8.0 Nm)

Comparative Part Numbers:

**Dill: 1030K, 31 Inc.: 17-20202AK,
Alligator: 591318, Schrader: 20017**



6-116T

Service Kits for Pacific LFB1 / LFC1

A box of 10 service kits, each includes:
1 nut, 1 rubber grommet, 1 plastic washer,
1 valve cap and 1 valve core.

Valve Core Torque: 3 - 5 inch lbs.
Nut Torque: 35 inch lbs. (4.0 Nm)

Comparative Part Numbers:

**Dill: 1110K, 31 Inc.: 17-20217AK,
Alligator: 591307, Schrader: 20031**



6-117

Service Kits for Pacific LFB1 / LFC1

A box of 10 service kits, with each including: 1 nut, 1 rubber grommet, 1 plastic washer, 1 valve cap and 1 valve core. This service kit is suitable for use with Pacific LFB1/LFC1 type sensors.

Valve Core Torque: 3 - 5 inch lbs.
Nut Torque: 44 inch lbs. (5.0 Nm)

Comparative Part Numbers:

**Dill: 1120K, 31 Inc.: 17-20221AK,
Alligator: 591314, Schrader: 20033**



6-120

Service Kits for Schrader Gen Alpha

This product has been replaced by 6-146
A box of 25 service kits, each includes:
1 nut, 1 rubber grommet, 1 valve cap and 1 valve core.
Valve Core Torque: 3 - 5 inch lbs.
Nut Torque: 58 inch lbs. (6.5 Nm)

Comparative Part Numbers:
Dill: 2030K, 31 Inc.: 17-20014AK,
Alligator: 591312, Schrader: 20014



6-121

Service Kits for Schrader TPMS - Lexus, Toyota

A box of 25 service kits, each includes:
1 nut, 1 rubber grommet, 1 valve cap, 1 plastic
washer, and 1 valve cap.
Valve Core Torque: 3 - 5 inch lbs.
Nut Torque: 35 inch lbs. (4.0 Nm)

Comparative Part Numbers:
Dill: 1110K, 31 Inc.: 17-20217AK,
Alligator: 591307, Schrader: 20031



6-122

Service Kits for Schrader Gen J

This product has been replaced by 6-118
A box of 25 service kits, each includes:
1 nut, 1 rubber grommet, 1 valve cap and 1 valve core.
Valve Core Torque: 3 - 5 inch lbs.
Nut Torque: 44 inch lbs. (5.0 Nm)

Comparative Part Numbers:
Dill: 2010K, 31 Inc.: 17-20009AK,
Alligator: 591310, Schrader: 20009



6-123

Service Kit for Schrader Gen 1

A box of 10 service kits, each includes:
1 nut, 1 O-ring, 1 metal valve cap and 1 valve core.
Valve Core Torque: 3 - 5 inch lbs.
Nut Torque: 53 Inch lbs. (6.0 Nm)

Comparative Part Numbers:
Dill: 1077K, 31 Inc.: N/A, Alligator: N/A,
Schrader: 20012



6-125

Service Kits for TRW Version 2 Sensor

A box of 25 service kits, each includes:
1 nut, 1 rubber grommet, 1 valve cap and 1 valve core.
Valve Core Torque: 3 - 5 inch lbs.
Nut Torque: 62 inch lbs. (7.0 Nm)

Comparative Part Numbers:
Dill: 2020K, 31 Inc.: 17-20015AK,
Alligator: 591311, Schrader: 20015



6-127

Service Kits for TRW Version 1 Sensor

A box of 10 service kits, each includes:
1 nut, 1 rubber grommet, 1 valve cap and 1 valve core.
Valve Core Torque: 3 - 5 inch lbs.
Nut Torque: 40 inch lbs. (4.5 Nm)

Comparative Part Numbers:
Dill: 2040K, 31 Inc.: 17-20204AK,
Alligator: 591313, Schrader: 20019



6-129

Service Kits for VDO TG1B

A box of 10 service kits, with each including: 1 nut,
1 rubber grommet, 1 plastic washer, 1 valve cap and
1 valve core. These service kits are suitable for use
with VDO TG1B type sensors.
Valve Core Torque: 8 Inch lbs.
Nut Torque: 71 inch lbs. (8.0 Nm)

Comparative Part Numbers:
Dill: 1031K, 31 Inc.: 17-20207AK,
Alligator: 591317, Schrader: 20017



6-134

Service Kits for Schrader TPMS - Honda

A box of 25 service kits, each includes:
1 nut, 1 rubber grommet, 1 plastic washer, 1 valve
core, and 1 valve cap.
Valve Core Torque: 3 - 5 inch lbs.
Nut Torque: 35 inch lbs. (4.0 Nm)

Comparative Part Numbers:
Dill: 2040K, 31 Inc.: 17-20204AK,
Alligator: 591313, Schrader: 20019



6-136

**Service Kits for Schrader TPMS - Kia
Hyundai**

A box of 25 service kits, each includes:
1 nut, 1 rubber grommet, 1 valve core, and 1 valve cap.
Valve Core Torque: 3 - 5 inch lbs.
Nut Torque: 35 inch lbs. (4.0 Nm)

Comparative Part Numbers:
Dill: 2040K, 31 Inc.: 17-20204AK,
Alligator: 591313, Schrader: 20022



6-137

**Service Kits for Schrader TPMS - Beru
stems (No Valve)**

A box of 25 service kits, each includes:
1 nut, 1 rubber grommet, 2 plastic washes, 1 valve
core, and 1 valve cap.
Valve Core Torque: 3 - 5 inch lbs.
Nut Torque: 62 inch lbs. (7.0 Nm)

Comparative Part Numbers:
Dill: 1090K, 31 Inc.: 17-20211AK,
Alligator: 591305, Schrader: 20023



6-138

Service Kits for VDO TG1C

A box of 10 service kits, each includes:
1 nut, 1 rubber grommet, 1 plastic washer,
1 valve cap and 1 valve core.
Valve Core Torque: 3 - 5 inch lbs.
Nut Torque: 71 inch lbs. (8.0 Nm)

Comparative Part Numbers:
Dill: 7020K, 31 Inc.: 17-20720AK,
Alligator: 591315, Schrader: N/A



6-139

Service Kits for VDO TG1C type Sensor

A box of 10 service kits, with each including: 1 nut,
1 rubber grommet, 1 plastic washer, 1 valve cap and
1 valve core.
Valve Core Torque: 3 - 5 inch lbs.
Nut Torque: 71 inch lbs. (8.0 Nm)

Comparative Part Numbers:
Dill: 7000K, 31 Inc.: 17-20700AK,
Alligator: 591316, Schrader: N/A

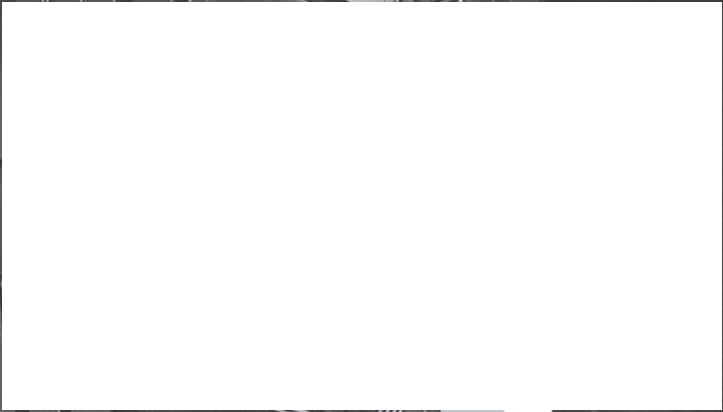


TPMS Service Kits & Replacement Stems Cross Reference 09/22/2022

PREMA USA Hamaton Product	Dill	31 Inc.	Alligator	Schrader	Torque Specifications
6-102	1070K	17-20107AK	591303	20004	Valve Core Torque: 3 - 5 inch lbs. - Nut Torque: 62 inch lbs. (7.0 Nm)
6-103	1080K	17-20028AK	591304	20003	Valve Core Torque: 3 - 5 inch lbs. - Nut Torque: 38 inch lbs. (4.25 Nm)
6-104	1060K	17-20096AK	591302	20002	Valve Core Torque: 3 - 5 inch lbs. - Nut Torque: 44 inch lbs. (5.0 Nm)
6-108	1050K	17-20201AK	591301	20030	Valve Core Torque: 3 - 5 inch lbs. - Nut Torque: 71 inch lbs. (8.0 Nm)
6-109	2000K	17-20206AK	591309	20021	Valve Core Torque: 3 - 5 inch lbs. - Nut Torque: 35 inch lbs. (4.0 Nm)
6-110	1090K	17-20211AK	591305	20023	Valve Core Torque: 3 - 5 inch lbs. - Nut Torque: 35.5 inch lbs. (4.0 Nm)
6-111	1100K	17-20216AK	591306	20032	Valve Core Torque: 3 - 5 inch lbs. - Nut Torque: 35 inch lbs. (4.0 Nm)
6-112	1130K	17-20005AK	591308	20005	Valve Core Torque: 3 - 5 inch lbs. - Nut Torque: 49 inch lbs. (5.5 Nm)
6-115	1030K	17-20202AK	591318	20017	Valve Core Torque: 3 - 5 inch lbs. - Nut Torque: 71 inch lbs. (8.0 Nm)
6-116T	1110K	17-20217AK	591307	20031	Valve Core Torque: 3 - 5 inch lbs. - Nut Torque: 35 inch lbs. (4.0 Nm)
6-117	1120K	17-20221AK	591314	20033	Valve Core Torque: 3 - 5 inch lbs. - Nut Torque: 44 inch lbs. (5.0 Nm)
6-120	2030K	17-20014AK	591312	20014	Valve Core Torque: 3 - 5 inch lbs. - Nut Torque: 58 inch lbs. (6.5 Nm)
6-121	1110K	17-20217AK	591307	20031	Valve Core Torque: 3 - 5 inch lbs. - Nut Torque: 35 inch lbs. (4.0 Nm)
6-122	2010K	17-20009AK	591310	20009	Valve Core Torque: 3 - 5 inch lbs. - Nut Torque: 44 inch lbs. (5.0 Nm)
6-123	1077K	N/A	N/A	20012	Valve Core Torque: 3 - 5 inch lbs. - Nut Torque: 53 inch lbs. (6.0 Nm)
6-125	2020K	17-20015AK	591311	20015	Valve Core Torque: 3 - 5 inch lbs. - Nut Torque: 62 inch lbs. (7.0 Nm)
6-127	2040K	17-20204AK	591313	20019	Valve Core Torque: 3 - 5 inch lbs. - Nut Torque: 40 inch lbs. (4.5 Nm)
6-129	1031K	17-20207AK	591317	20017	Valve Core Torque: 8 Inch lbs. - Nut Torque: 71 inch lbs. (8.0 Nm)
6-134	2040K	17-20204AK	591313	20019	Valve Core Torque: 3 - 5 inch lbs. - Nut Torque: 35 inch lbs. (4.0 Nm)
6-136	2040K	17-20204AK	591313	20022	Valve Core Torque: 3 - 5 inch lbs. - Nut Torque: 35 inch lbs. (4.0 Nm)
6-137	1090K	17-20211AK	591305	20023	Valve Core Torque: 3 - 5 inch lbs. - Nut Torque: 62 inch lbs. (7.0 Nm)
6-138	7020K	17-20720AK	591315	N/A	Valve Core Torque: 3 - 5 inch lbs. - Nut Torque: 71 inch lbs. (8.0 Nm)
6-139	7000K	17-20700AK	591316	N/A	Valve Core Torque: 3 - 5 inch lbs. - Nut Torque: 71 inch lbs. (8.0 Nm)
6-201	N/A	N/A	N/A	N/A	Screw Torque: 8.85 inch lbs. - Nut Torque: 53 inch lbs. (6.0 Nm)
6-204	1097K	17-20035AK	590805	20035	Nut Torque: 35 inch lbs. (4.0 Nm)
6-206B	1040K	17-20203AK	591330	N/A	Nut Torque: 53 inch lbs. (6.0 Nm)
6-207	VS-950	17-20018	591320	20018	T-10 Screw Torque: 12.5 inch lbs. (1.4 Nm)
6-207-B	VS-20	17-20045	N/A	20046	T-10 Screw Torque: 12.5 inch lbs. (1.4 Nm)
6-208	VS-90	17-50397	N/A	20043	T-10 Screw Torque: 12.5 inch lbs. (1.4 Nm)
6-210	VS-20	17-20045	N/A	N/A	T-10 Screw Torque: 12.5 inch lbs. (1.4 Nm)
6-210H	VS-20	17-20046	N/A	20046	T-10 Screw Torque: 12.5 inch lbs. (1.4 Nm)
6-211	VS-65	17-50395	N/A	20635	T-10 Screw Torque: 12.5 inch lbs. (1.4 Nm)
6-215A	N/A	17-43016, 17-43046	N/A	N/A	T-10 Screw Torque: 12.5 inch lbs. (1.4 Nm)
6-218	1098K	17-20198AK	591322	N/A	Valve Core Torque: 3 - 5 inch lbs. - Nut Torque: 53 Inch lbs. (6.0 Nm)
6-220B	1092K	N/A	590337	20037	Screw Torque: 35.5 inch lbs. (4.0 Nm) - Nut Torque: 35.5 inch lbs. (4.0 Nm)
6-225	N/A	N/A	N/A	34000	Nut Torque: 53 inch lbs. (6.0 Nm) / T10 Scree Torque: 12.5 in-lbs. (1.4 Nm)
6-266	N/A	N/A	N/A	N/A	T10 Torque: Nut 35.5 in-lbs. - Screw 12.5 in-lbs.
6-266BK	N/A	N/A	N/A	N/A	T10 Torque: Nut 35.5 in-lbs. - Screw 12.5 in-lbs.
6-228T	9066K	17-20020AK	N/A	N/A	Nut Torque: 58 inch lbs. (6.5 Nm)
6-231C	VS-70	17-20725AK	591326	N/A	Nut Torque: 71 inch lbs. (8.0 Nm)
6-235	VS-40	N/A	N/A	20016	Nut Torque: 53.1 inch lbs (6.0 Nm)
6-236	VS-965	17-50391	591365	N/A	Nut Torque: 35.5 inch lbs. (4.0 Nm)
6-240	1096K	N/A	590801	N/A	Screw Torque: 35.5 inch lbs. (4.0 Nm) - Nut Torque: 35.5 inch lbs. (4.0 Nm)
6-270	VS-312	N/A	N/A	N/A	Torque: Nut 35.5 in-lbs. -T10 Screw Torque 12.5 in-lbs.
6-415/TPS-1-502C	VS-35	17-50396	N/A	N/A	Torque: Nut 35.5 in-lbs. -T10 Screw Torque 12.5 in-lbs.
6-437AL	VS-240 Alloy	N/A	N/A	N/A	Torque: Nut 35.5 in-lbs. -T10 Screw Torque 12.5 in-lbs.
6-439AL	VS-920	N/A	N/A	N/A	Torque: Nut 35.5 in-lbs. -T10 Screw Torque 12.5 in-lbs.
6-503	VS-30	17-20044	N/A	N/A	Torque - Clip Style
6-507	VS-15	N/A	N/A	N/A	T10 Screw Torque - 12.5 in-lbs
TPMS-416AL	VS-919	17-50392	N/A	N/A	Torque: Nut 35.5 in-lbs. -T10 Screw Torque 12.5 in-lbs.
TPS-412	N/A	17-50398	N/A	N/A	T10 Screw Torque - 12.5 in-lbs

PREMA Service Kits/Stems: Alternative Parts

Primary Part	Alternate Part(s)	Primary Part	Alternate Part(s)
6-102	6-113, 6-118	6-146	6-144
6-110	6-137	6-206B	6-240
6-116T	6-121	6-207	6-207A, 6-213, 6-216
6-122	6-118	6-207-B	6-207, 6-210, 6-210H, 6-213
6-125	6-114, 6-127, 6-142T, 6-143T, 6-134, 6-136	6-210H	6-210
6-127	6-114, 6-125, 6-142T, 6-143T, 6-134, 6-136	6-220B	6-220, 6-221, 6-222B, 6-223B
6-139	6-139B	6-228T	6-228
		6-240	6-220B, 6-214, 6-242, 6-243



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