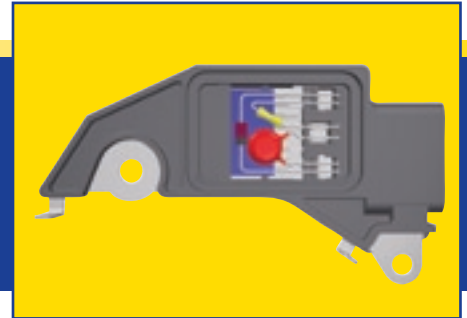




Compliant Generation
Black Package Regulators for Delco
D411XHD



ASVR for Delco CS121 / CS130 / CS144 Series



- B-Circuit, Volt Set 14.8V
- P-L-I-S Terminals
- LRC 2.5-Seconds (40%)
- Fully Welded Internal Construction – No Solder Joints
- Very Latest ASVR Technology Available - Provides 100% On-Vehicle Compliance
- **Replaces:** Delco 1116411, 1116429, 1116436, 1116437, 1116440, 13120469, 19009752, 19009769, D677, D685, D698; Taditel T437

Full Coverage ASVR Lineup for Delco CS121 – CS130 – CS144 Series Alternators

D408XHD: P-L-F-S, LRC 2.5-Sec, Vset 14.8V
Replacing: 1116408, 428 ; 19009755 ; D675, D699 ;
Transpo D408 ; Taditel T755

D411XHD: P-L-I-S, LRC 2.5-Sec, Vset 14.8V
Replacing: 1116411, 429, 436, 437, 440 ; 19009752, 769 ;
Transpo D411, D440 ; Taditel T437

D425XHD: P-L-I-S, LRC 2.5-Sec, Vset 14.2V, w/o TempCo
Replacing: 1116425, 19009724, D683, Transpo D425,
Taditel T724

D445XHD: P-L-F-S, LRC 10-Sec, Vset 14.8V, Smart Cluster
Replacing: 1116413, 1116430, 1114445, D600A, D681,
Transpo D413, D445, Taditel T730

D446XHD: P-L-I-S, LRC 10-Sec, Vset 14.8V
Replacing: 1116446, 19009731, D602A, Transpo D446,
Taditel T731

A full line of ASVR for CS130D and AD-Series also available, please contact your authorized WAI-Transpo distributor.

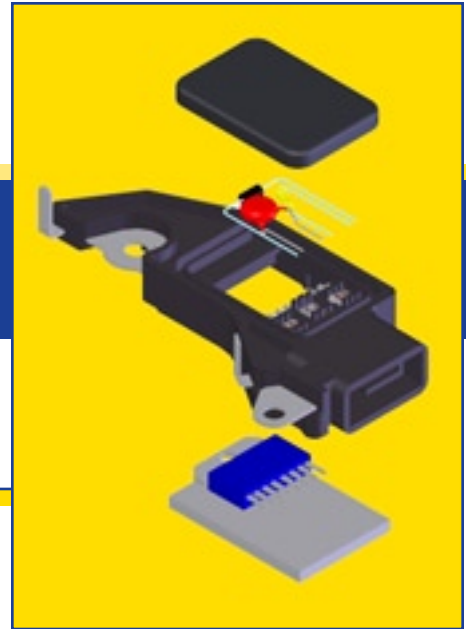


WAI-Transpo ... Rebuilding Confidence
Where Quality is the First Detail ... Yesterday – Today – Everyday!



D411XHD

The OE Standard



ASVR Designer-Manufacturer Affiliation Assures the Very Latest ASVR Technology Solution

- Provides latest 100% OEM-compliant ASVR standard
- Ahead of all competitors - past and present - OE and aftermarket

Fully OEM Compliant Functions

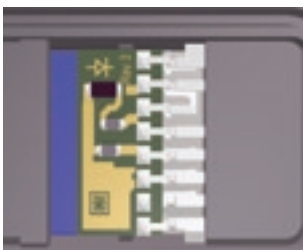
- Field rating 8 Amps (25°C)
- Current limiting
- Thermal shutdown protection
- Circuit protected against shorted field, shorted lamp, load dump

Consistently Reliable

- Quality controlled materials, processes, production
- Computerized in-process and post-production testing
- OE compliant PPAP documentation

Exceptionally Robust Mechanical Design

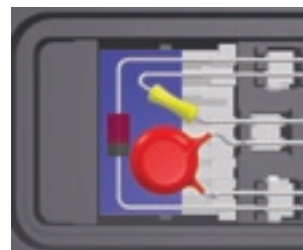
- All internal terminations 100% welded
- Simplistic design – no printed circuit board
- Premium, thermally conductive adhesives and potting compounds



**MORE THAN 10
SOLDER JOINTS**

Other ASVR-type regulator designs

(OE and Taditel) claim to have welded construction and in fact they do. What is not disclosed is that a PCB (printed circuit board) containing various “tuning” components is used to interface with the ASVR chip. This PCB concept may exhibit as many as 10 solder junctions.



**ZERO SOLDER JOINTS
- ALL WELDED**

The Transpo design eliminates the PCB

with the simplified concept of tuning the ASVR with a minimum of reliable discrete components that are welded directly to the lead-frame circuit. The internal package is then encapsulated with premium silicone dielectric gel.

Testing Note: By design, late-level ASVR have an approximate 0.1V lower ‘mean Vset’ than early-level ASVR. As a result, an electronic bench tester that is programmed with a tight-tolerance Vset window for qualifying ‘early-level’ ASVR may disqualify a fully functional late-level ASVR for marginally low Vset.



A Wetherill Company

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