

Shocks and Shackles

Stan Braden and Keith Collins

2016 MAFCA National Meet

Loveland, CO

JUDGING SHOCKS AND SHACKLES AREA 23

*REVISED 1997 STANDARDS
SOME INFORMATION FROM NEW STANDARDS*

STAN BRADEN & KEITH COLLINS

**THE MODEL A
FORD
SHOCK ABSORBERS**



by

Steven W. Schmauch

2011

The complete evolution of Houdaille, Ford, Spicer, and National Acme shocks used on the Model A Ford



Covers of Every Kind

Ford Script

Flat



E-M 28

National Acme

FLAT



⁵
E-M 29

Flat

E-M 29



E 30-M 31

Indented



Ford Script

E-M 30

Indented ring



8 National Acme

Indented



M30-M31

Flat



Indented



Needle Valves

Needle valves

Dog House



Square



Pointer



Hex



Left to Right - Early to Late

Dog House Valve



12

Spicer

M28

Square Adjuster Valve



E-M30

Hex



M-L31

Bases – Forged or Cast

Forging



Cast

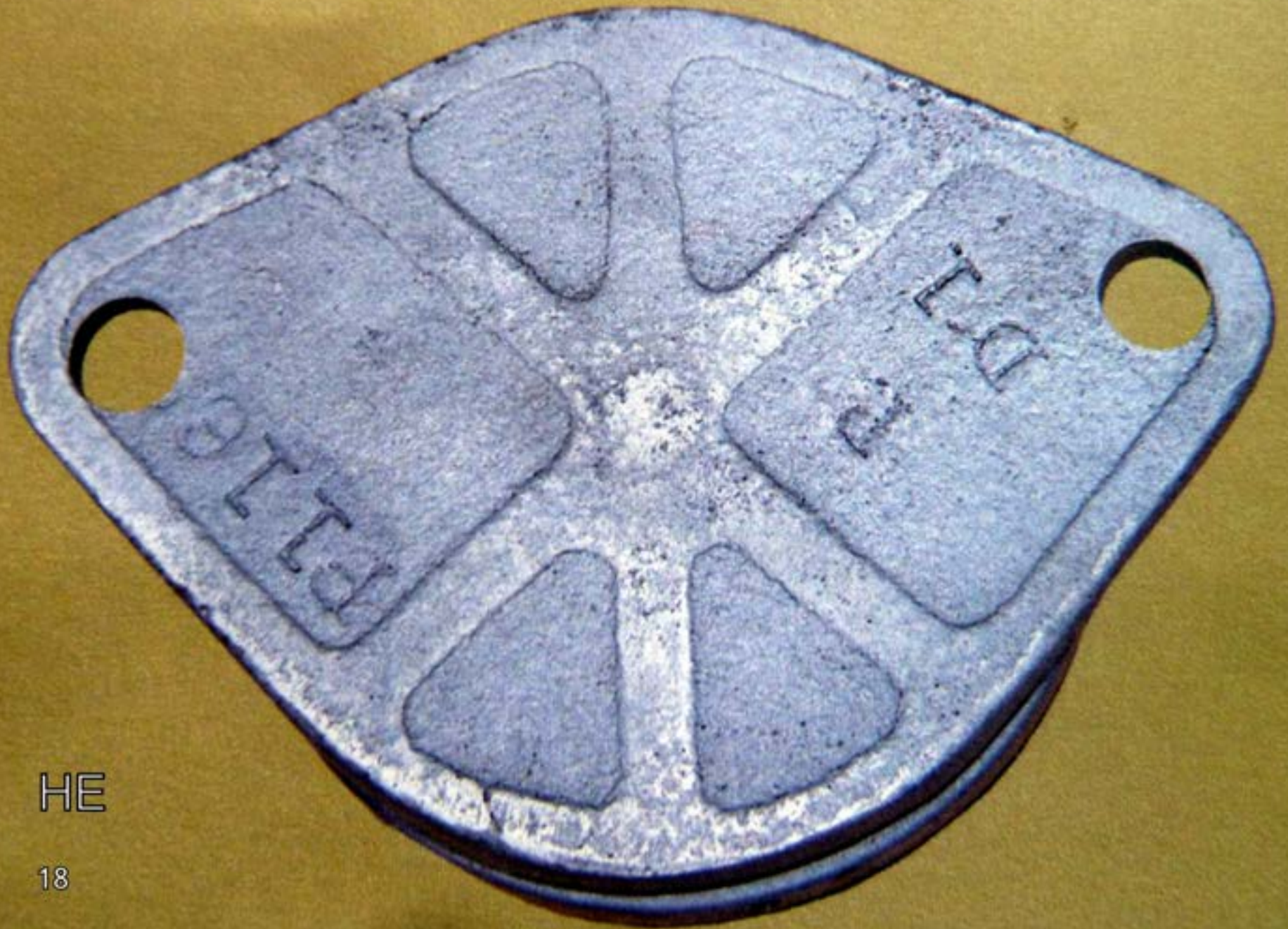
Base



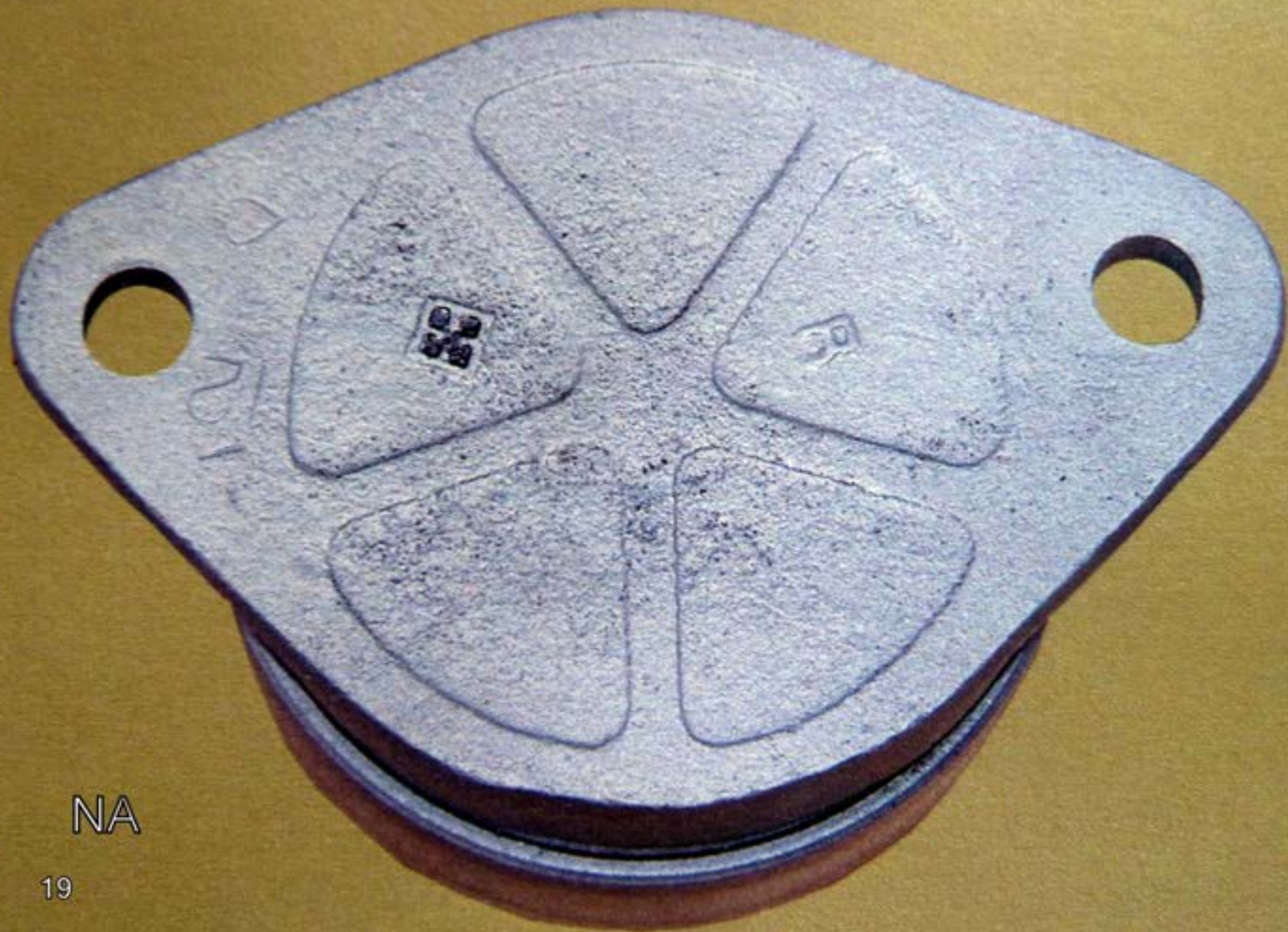
Note plain back
with Stampings

Ford

Ford Script



HE



NA



4-pie Design

20 HE



Ford

5/16 until March 28



9/32 to the end of production

Two thickness of lock rings



"D" style of Mounting Bolt



Front Arms

Front Arms



28 - early 30

Through end

AA

²⁵ Script

Early to Late

Left to Right

Front Arms

AA

Early boss
end numbered

Little Thicker
Recessed Boss

Thicker &
Recessed Boss



Early Boss with Adjusting Numbers





Top Ford Script



Rear Arms

Rear Arms



Thinner

Flat Boss



Boss Increased Thickness

Recess Boss



Boss Thicker

Deeper Recess

Early to Late Top to Bottom

Note Increased Thickness of Boss



Early to Late Top to Bottom

Nuts



Rounded Groove



Later - Square Groove

Links

Links



Links



Note Variations of Caps





Shackles

Ford Replacment

To End of Production

Reproduction



³⁶ Note Script

Shackles



Note-angle cut

Bar





Early Small Shaft Shock

SMALL SHAFT

Flat



1/28 - 3/28

188153

Shocks in Sequence



M28



M28



M28



M29



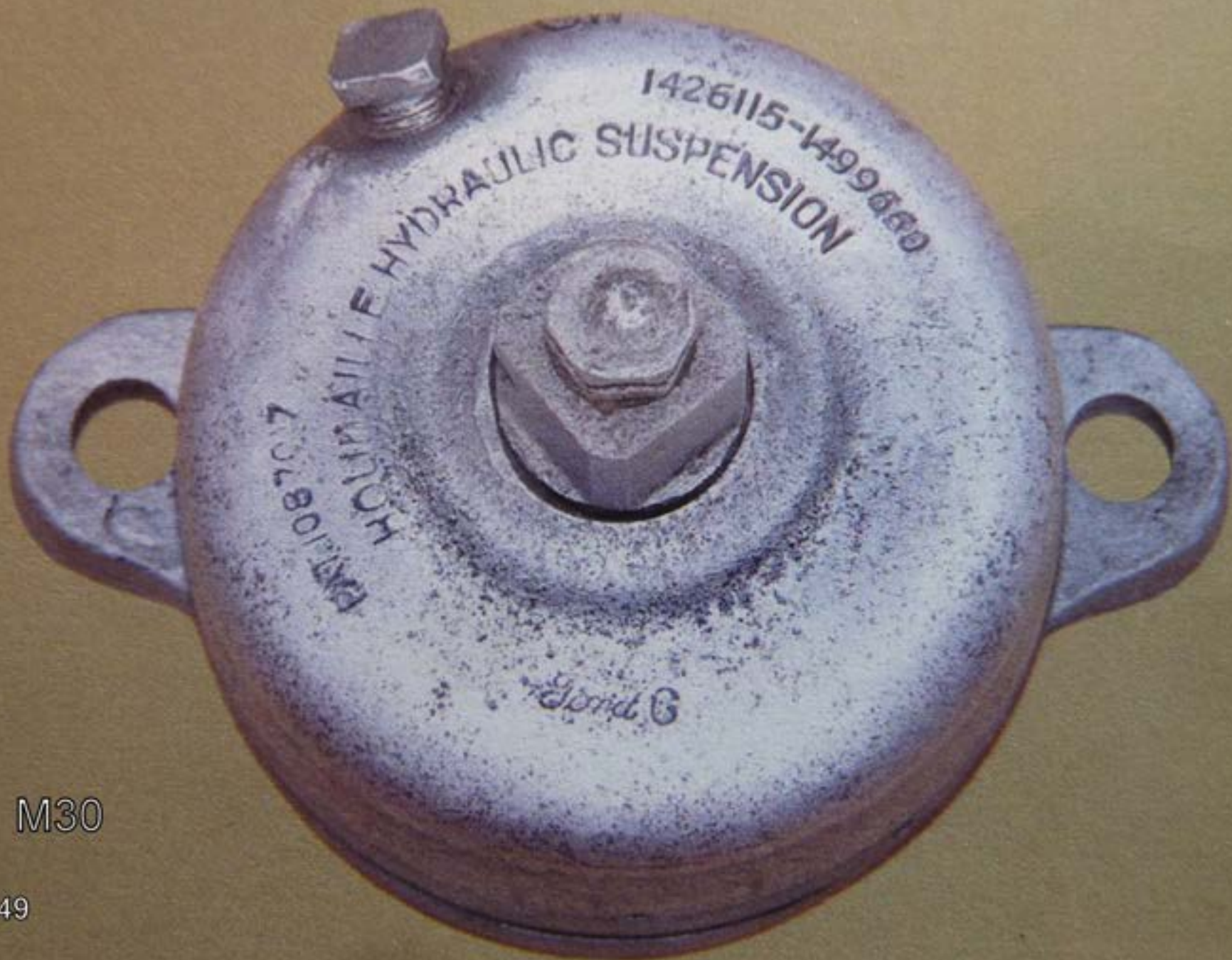
M29



M29



M30



M30



M30



M30



M31



M31



M31



M31

Judging Area 23

Area 23- SHOCKS and SHACKLES- (20 points) Includes absorber bodies, mounting bolts, arms, links, spring hangers (shackles) and their lubrication correctness, working order, finish.

	assigned points	deduct code:**	SCORE
Shocks & shackles section (20 points)			
Shocks	70		
Shock mounting hardware	20		
Shock arms	30		
Shock links	30		
Lubrication fittings (grease zerks)	10		
Spring shackles & bars	40		
5000 point total	200		
500 point total* (decimal score)	20		

Not Your Usual Shock



