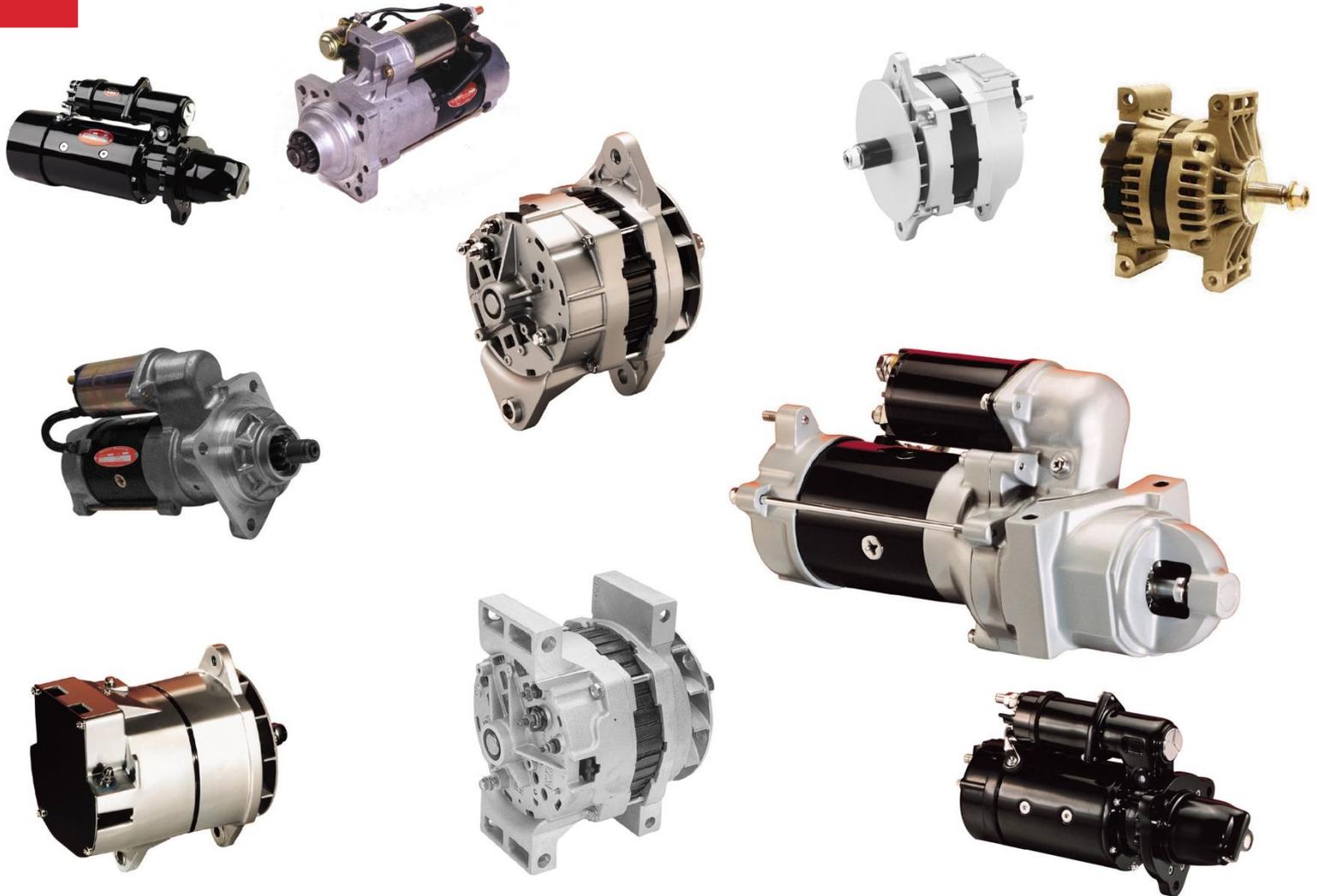




®

Core Identification Training



Core Acceptance Standards

- Must be a Delco Remy Program Core.
- Must be assembled
- Should NOT be significantly corroded or obvious “junkyard” core

Cores will NOT be rejected for the following defects:

- Damaged, cracked, broken or missing parts
- Egg shaped mounting or bushing holes
- Missing fan or pulley
- Damaged threads
- Mushroomed alternator shaft ends
- Seized starter armature



Core Acceptance Standards

- Examples of significantly corroded cores that would NOT be accepted



Core Group ID Process

Step 1 - Determine whether part is an alternator or starter



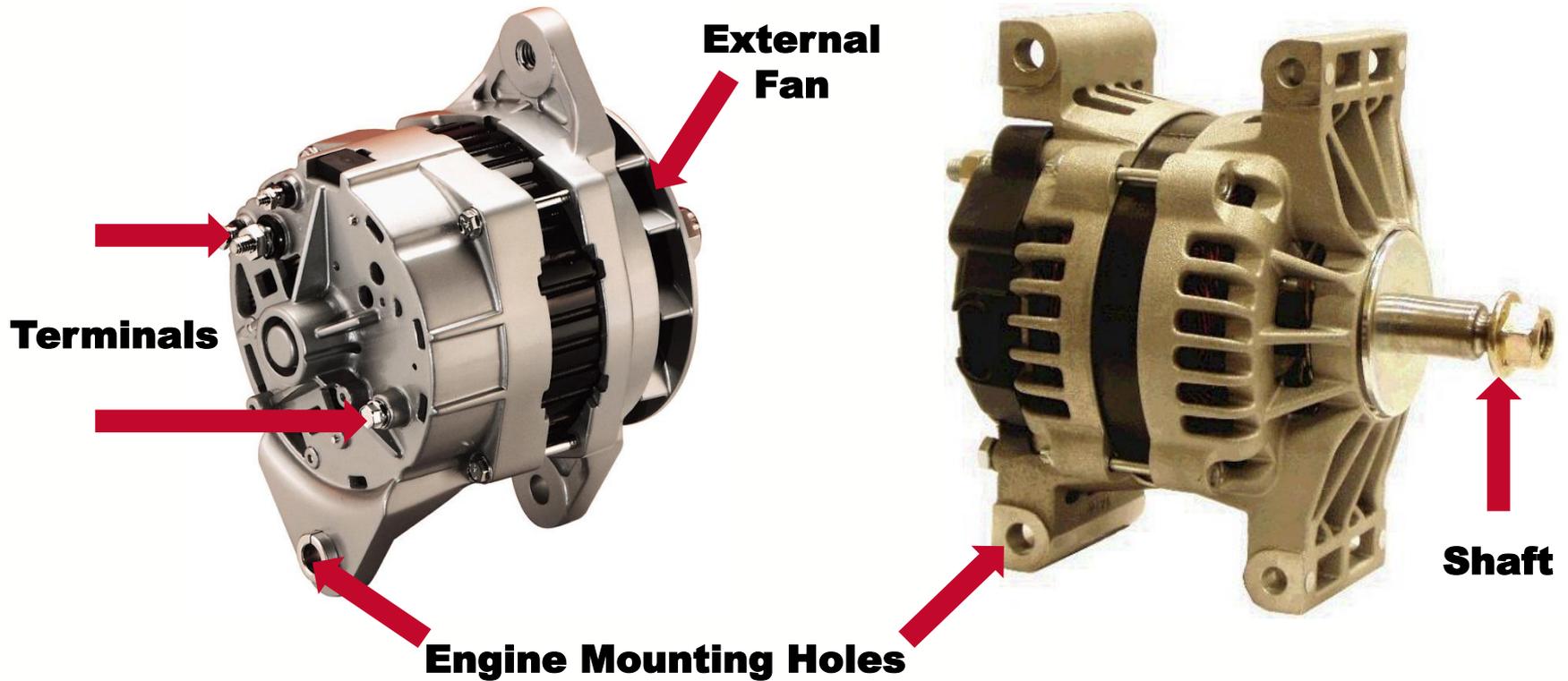
Alternator



Starter

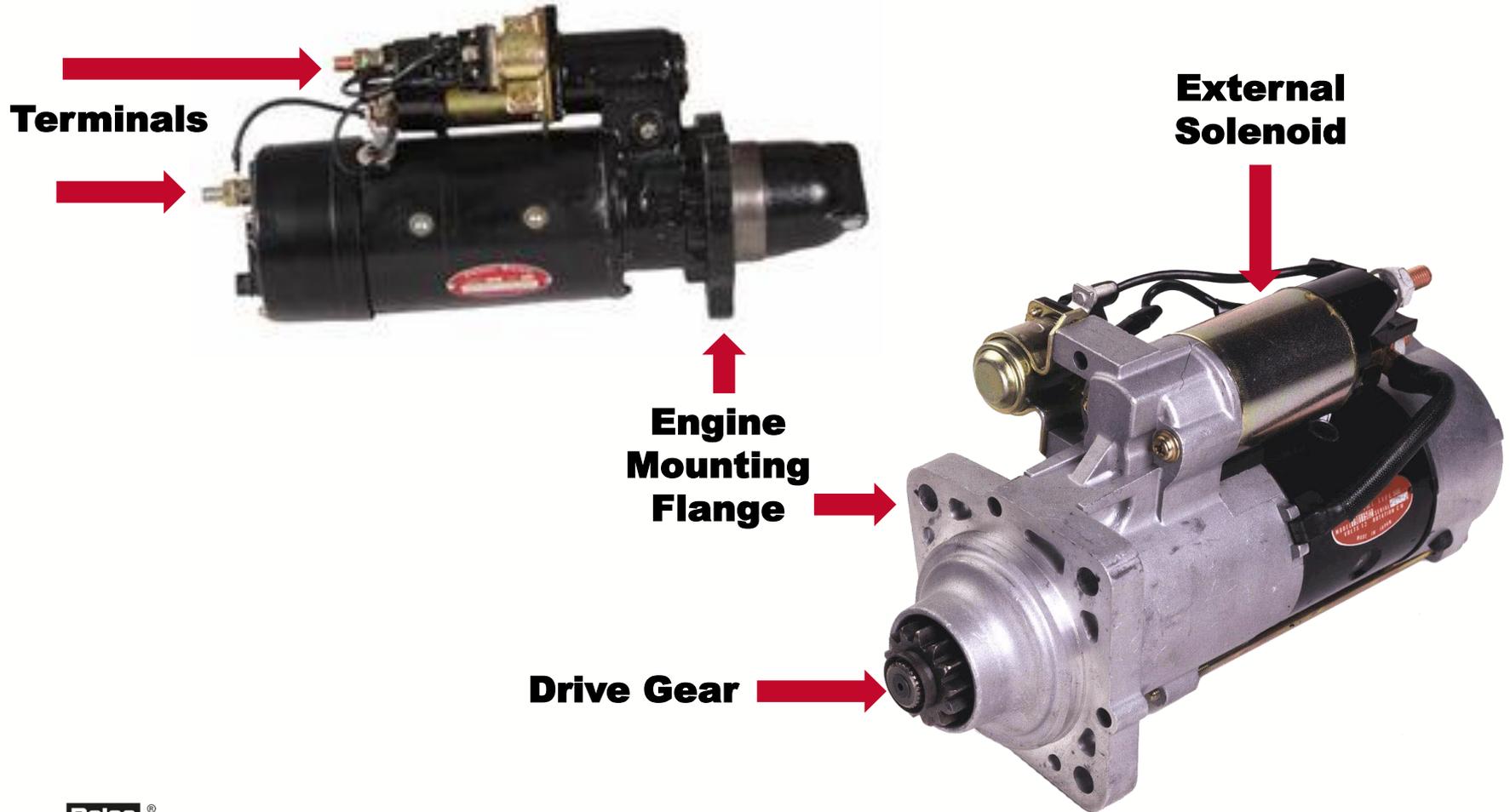
Core Group ID Process

Alternator Key Characteristics



Core Group ID Process

Starter Key Characteristics



Core Group ID Process

Step 2 - Determine Core Group



20SI	27SI	36SI PM
21SI	28SI	37MT
22SI	28MT	38MT
22SI PM	29MT	39MT
23SI	29SI	40MT
23SI PM	30SI	41MT
24SI	31SI	42MT
26SI	36SI 3-LUG	42MT PL
HD SOL	36SI 4-LUG	50MT

Core Group ID Process

Step 2 - Determine Core Group

Look for model and part number on product tag



Reman Unit Tag



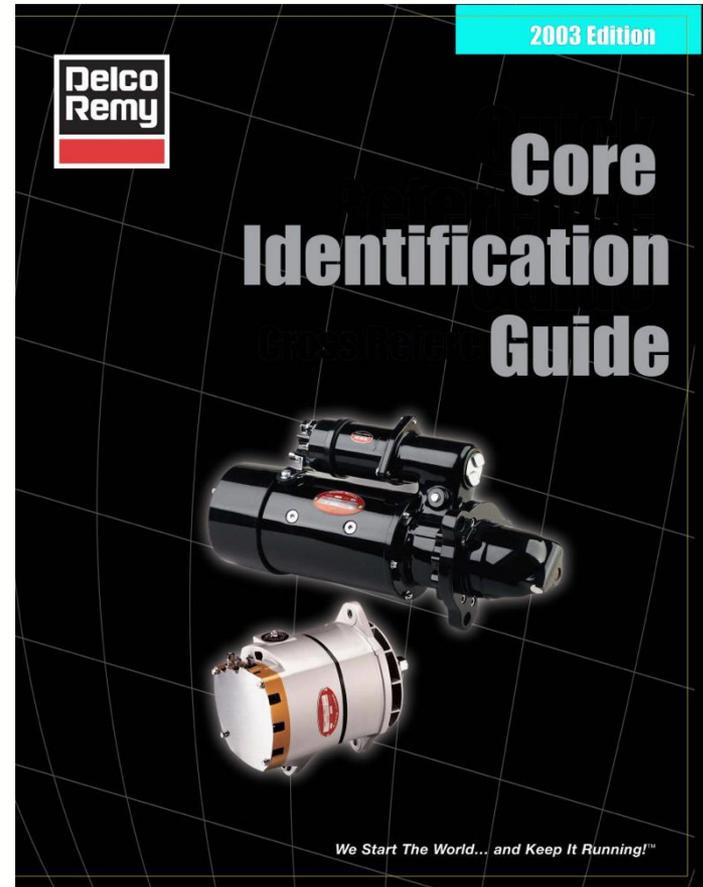
New Unit Tag



Core Group ID Process

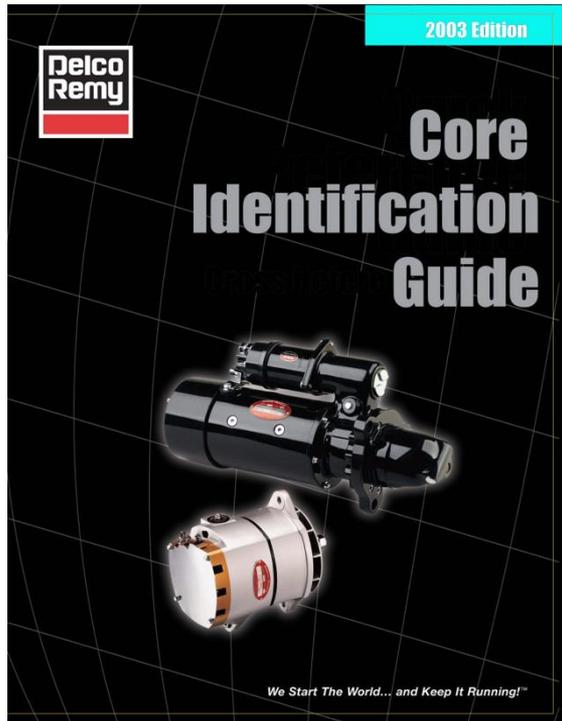
Step 2 - Determine Core Group

If tag is missing
or unidentifiable,
refer to Delco Remy
Core ID Guide



Core Group ID Process

Step 2 - Determine Core Group



CORE IDENTIFICATION

DELCO REMY
CORE GROUP

Specifications:
Voltage: 12 & 24
Amps: 50 to 160



CORE IDENTIFICATION

CORE GROUP BY PART NUMBER

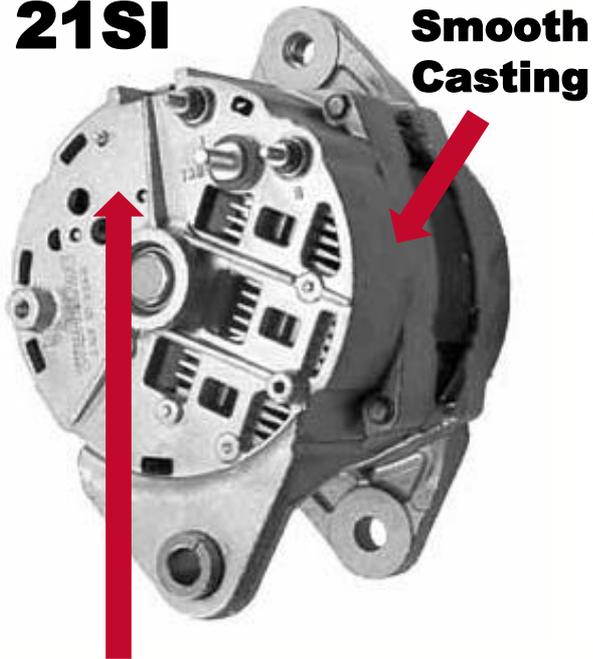
Lists each Reman Part Number and associated Core Group.

Item Number	Core Group	Item Number	Core Group	Item Number	Core Group
1100086	27SI	1990285	50MT	10459035	21SI
1100087	27SI	1990286	50MT	10459036	21SI
1100088	27SI	1990287	50MT	10459037	21SI
1103554	50MT	1990288	50MT	10459038	21SI
1103555	50MT	1990289	50MT	10459039	21SI
1103791	50MT	1990290	40MT	10459040	21SI
1103792	50MT	1990306	40MT	10459041	21SI
1103793	50MT	1993738	37MT	10459042	21SI
1103794	50MT	1993757	50MT	10459043	21SI
1103795	50MT	1993758	40MT	10459044	21SI
1103796	50MT	1993782	42MT	10459045	21SI
1103797	50MT	1993783	42MT	10459046	21SI
1114766	40MT	1993818	37MT	10459047	21SI
1114775	40MT	10453911	38SI	10459048	21SI
1114778	40MT	10458313	27SI	10459049	21SI
1114779	40MT	10458360	HD SOL	10459050	21SI
1114780	40MT	10458361	HD SOL	10459051	21SI
1114782	40MT	10458362	HD SOL	10459052	21SI
1114783	40MT	10458363	HD SOL	10459053	21SI
1114785	40MT	10458364	HD SOL	10459054	21SI
1114786	40MT	10458496	50CW GEAR	10459055	21SI
1114787	40MT	10458497	50CW GEAR	10459056	21SI
1114985	40MT	10458498	50CW BELT	10459057	30SI

Core Identification

21SI Group

21SI

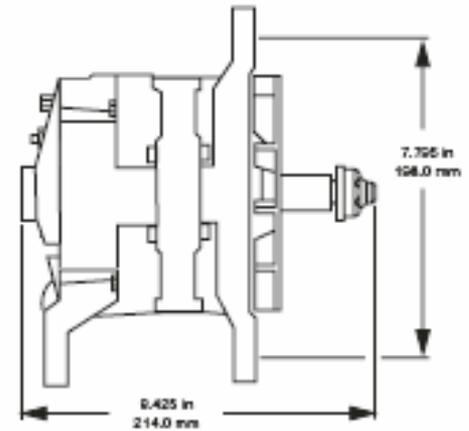


Smooth Casting

22SI



Ridge in Casting



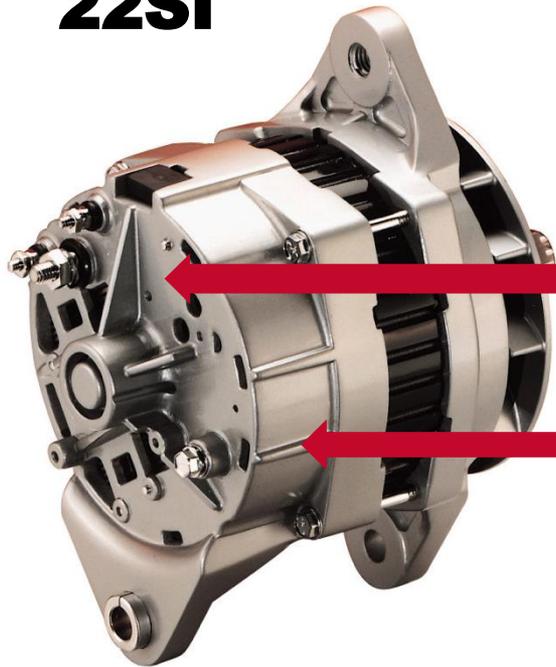
Weight 14.2 lbs

22SI Not Embossed in Casting

Core Identification

22SI & 22SI PM Group

22SI

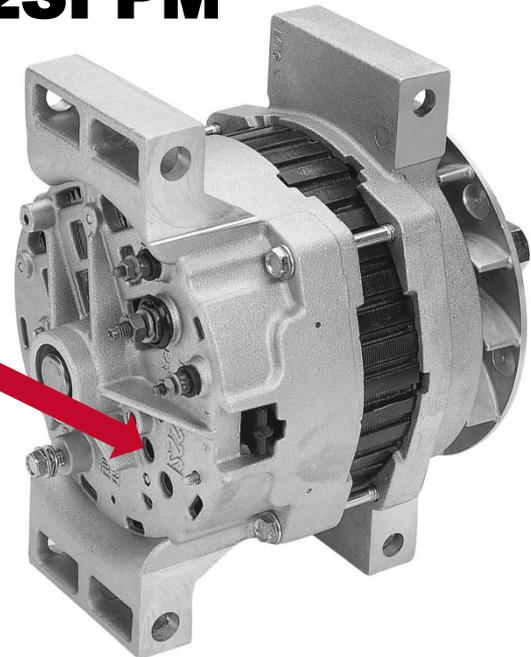


**22SI
Embossed
in Casting**

**Ridge
in Casting**

Weight = 14.2 lbs

22SI PM

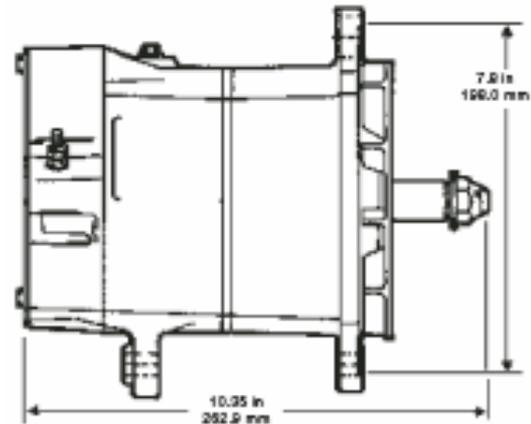
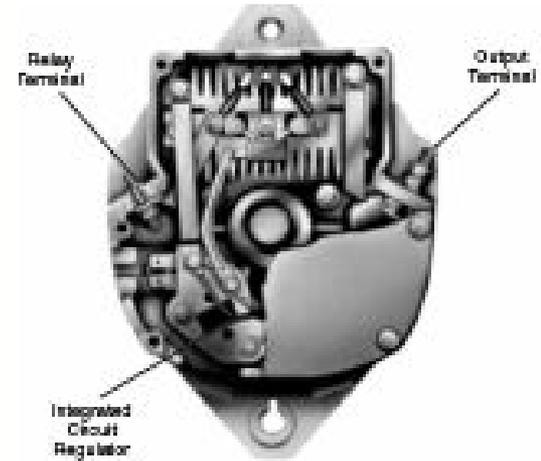
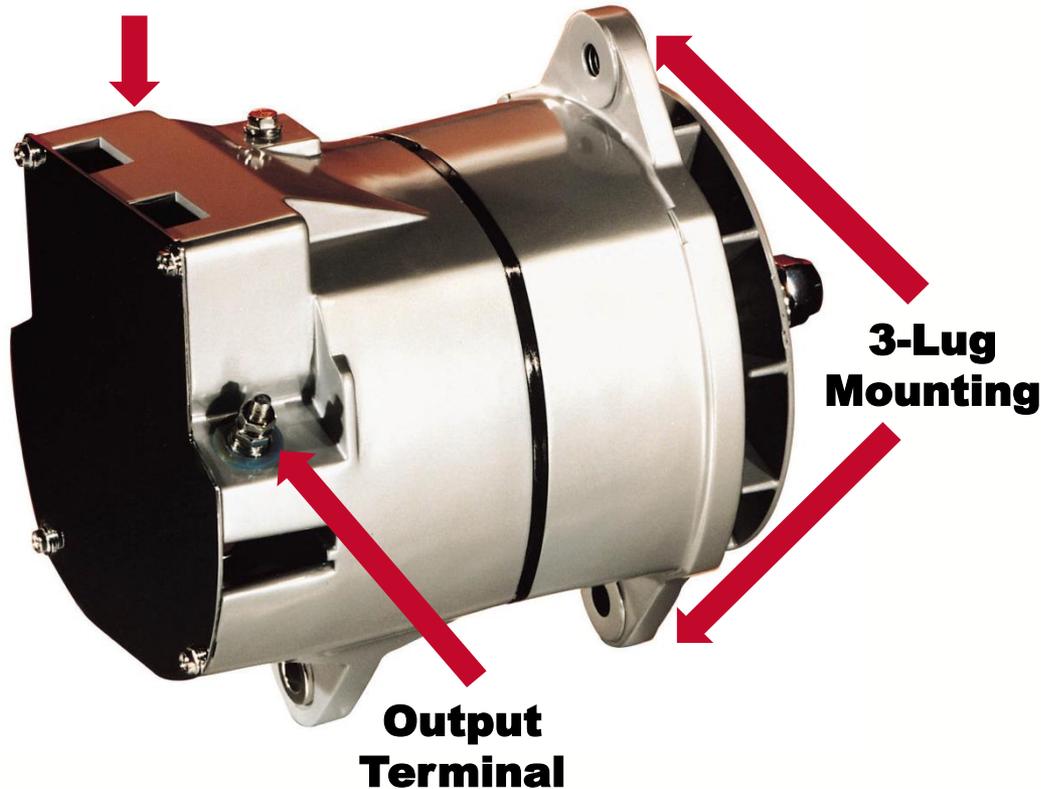


Weight = 15.4 lbs

Core Identification

30SI Group

Raised RE Casting



Weight: 26.2 lbs

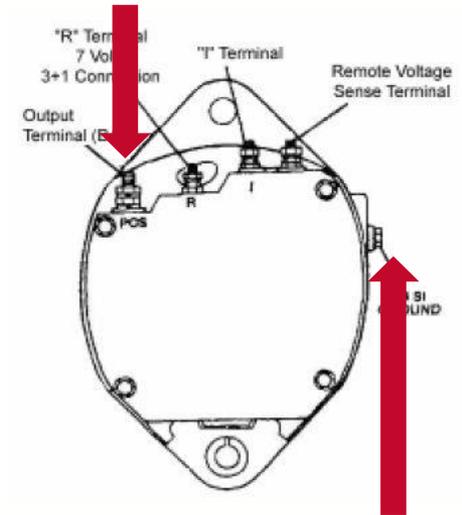
Core Identification

36SI 3-Lug Group

(Includes 33SI, 35SI and 36SI 3-Lug Models)



3-4 Terminals



Ground Screw on Casting

Weight: 24.5 lbs

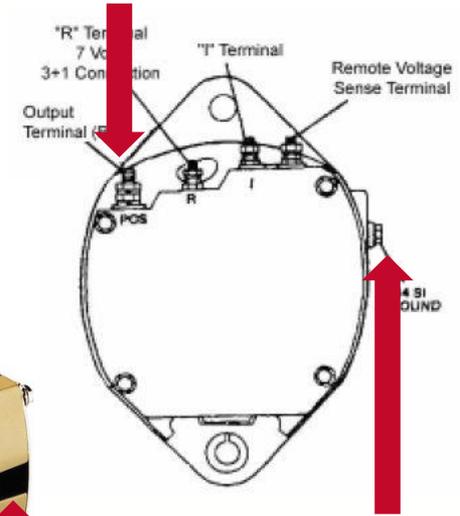
Core Identification

36SI 4-Lug Group

(Includes 33SI, 35SI and 36SI 3-Lug Models)



3-4 Terminals



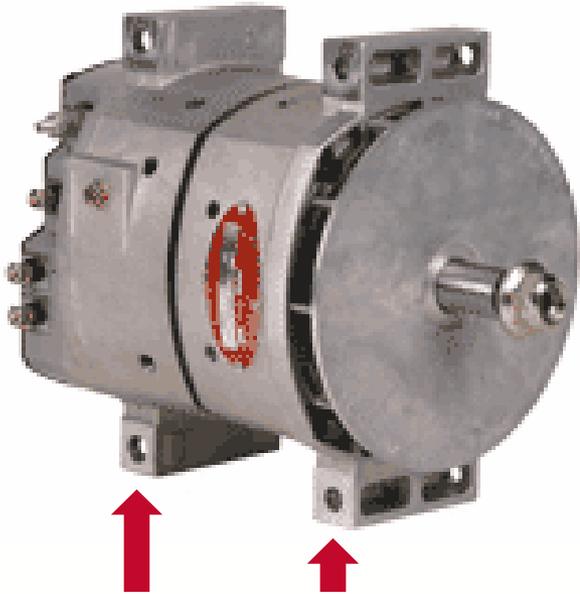
Ground Screw on Casting

Weight: 24.5 lbs

Core Identification

36SI PM Group

(Includes 34SI, 35SI and 36SI Pad Mount Models)

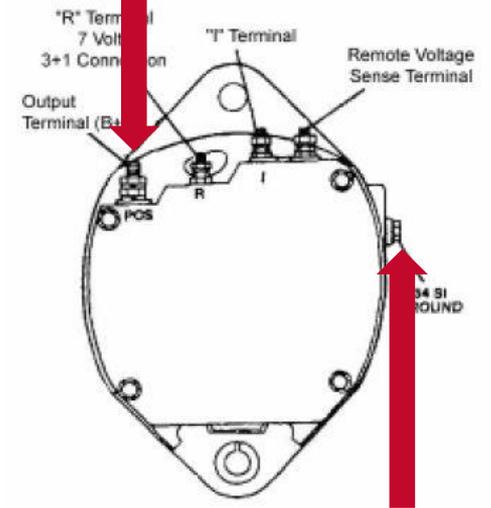


Pad Mount Casting



Ventilation Holes
(35SI & 36SI)

3-4 Terminals

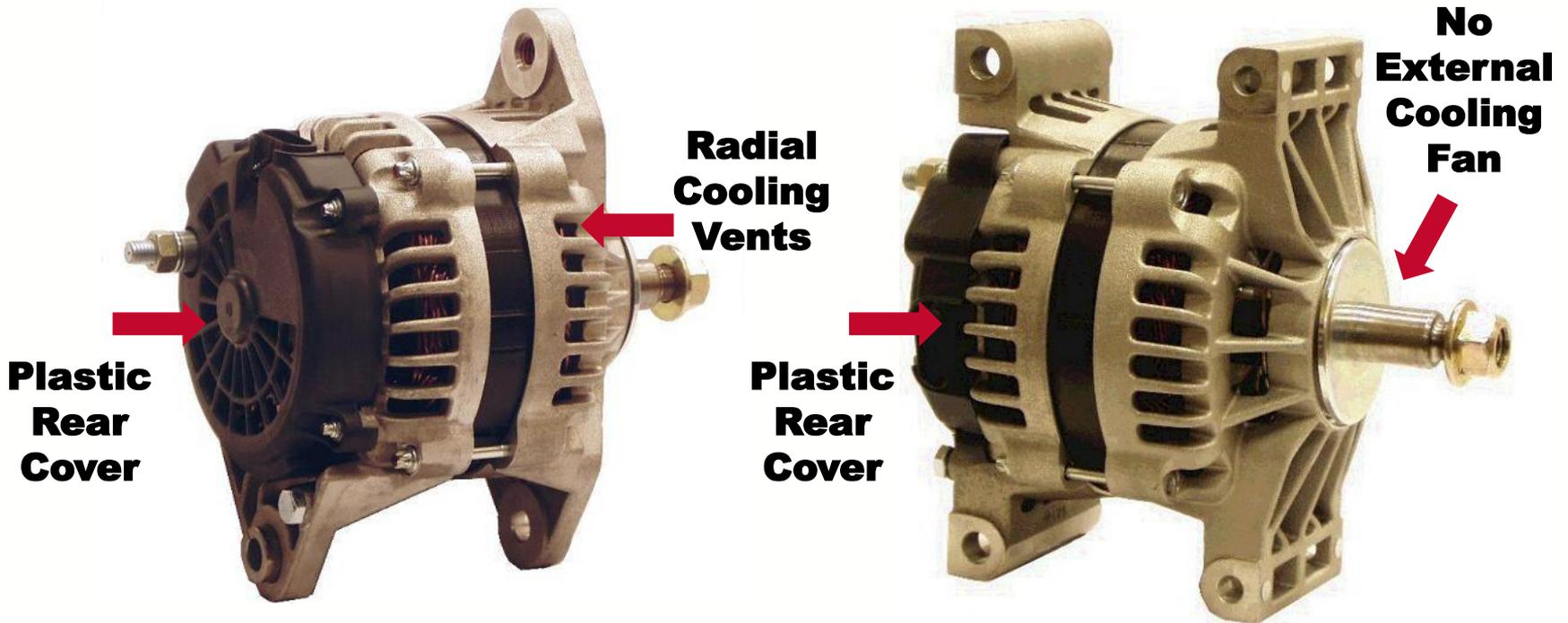


Ground Screw on Casting

Weight: 24.5 lbs

Core Identification

24SI Group



Weight: 16.7 lbs

Core Identification

42MT Group

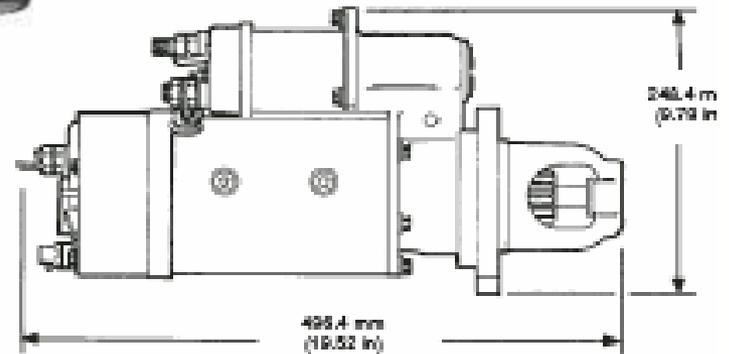
Round Solenoid End Cap



Single Access Plug

**Long CE
Housing**

Rotatable Nose Housing



Weight: 58 lbs

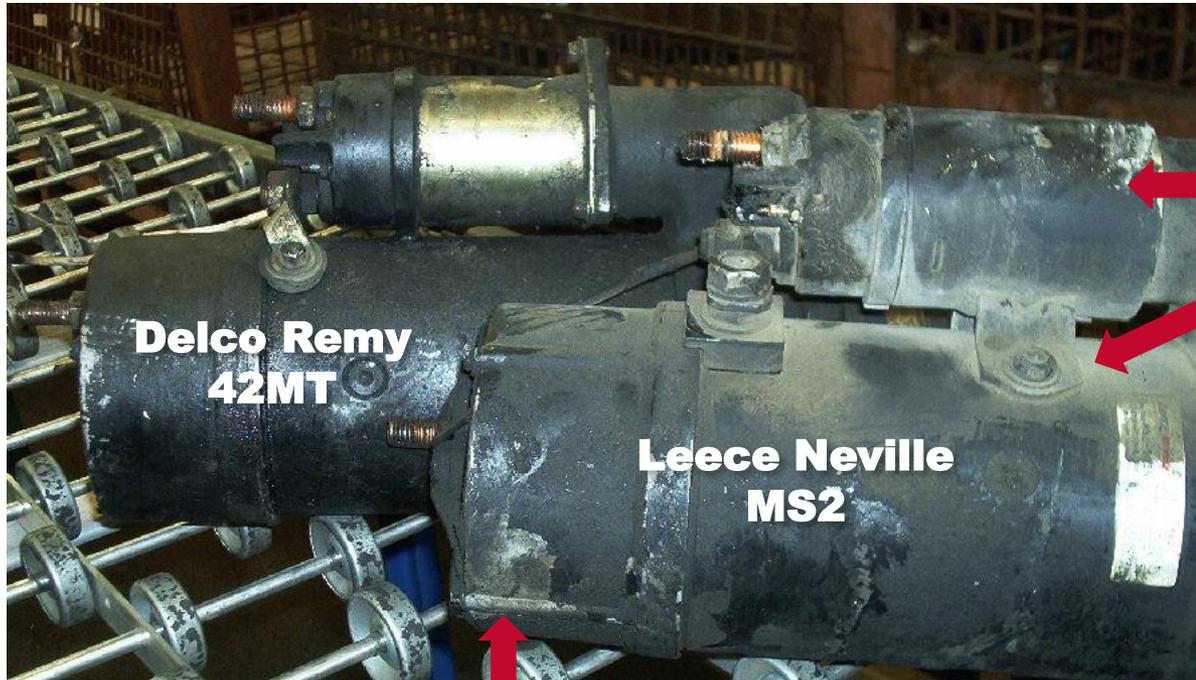
Core Identification

Acceptable Leece Neville 42MT Core



Core Identification

Unacceptable Leece Neville Starter Core



**Delco Remy
42MT**

**Leece Neville
MS2**

**Different
Solenoid**

No Access Plug

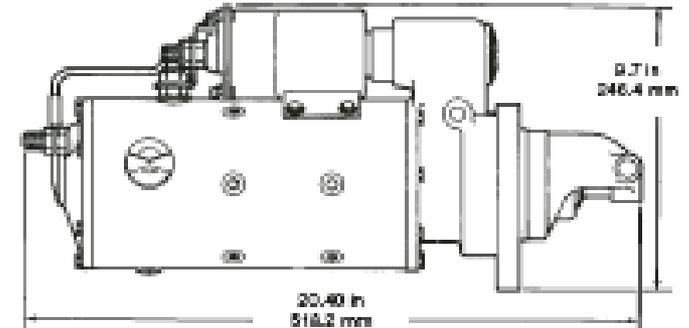
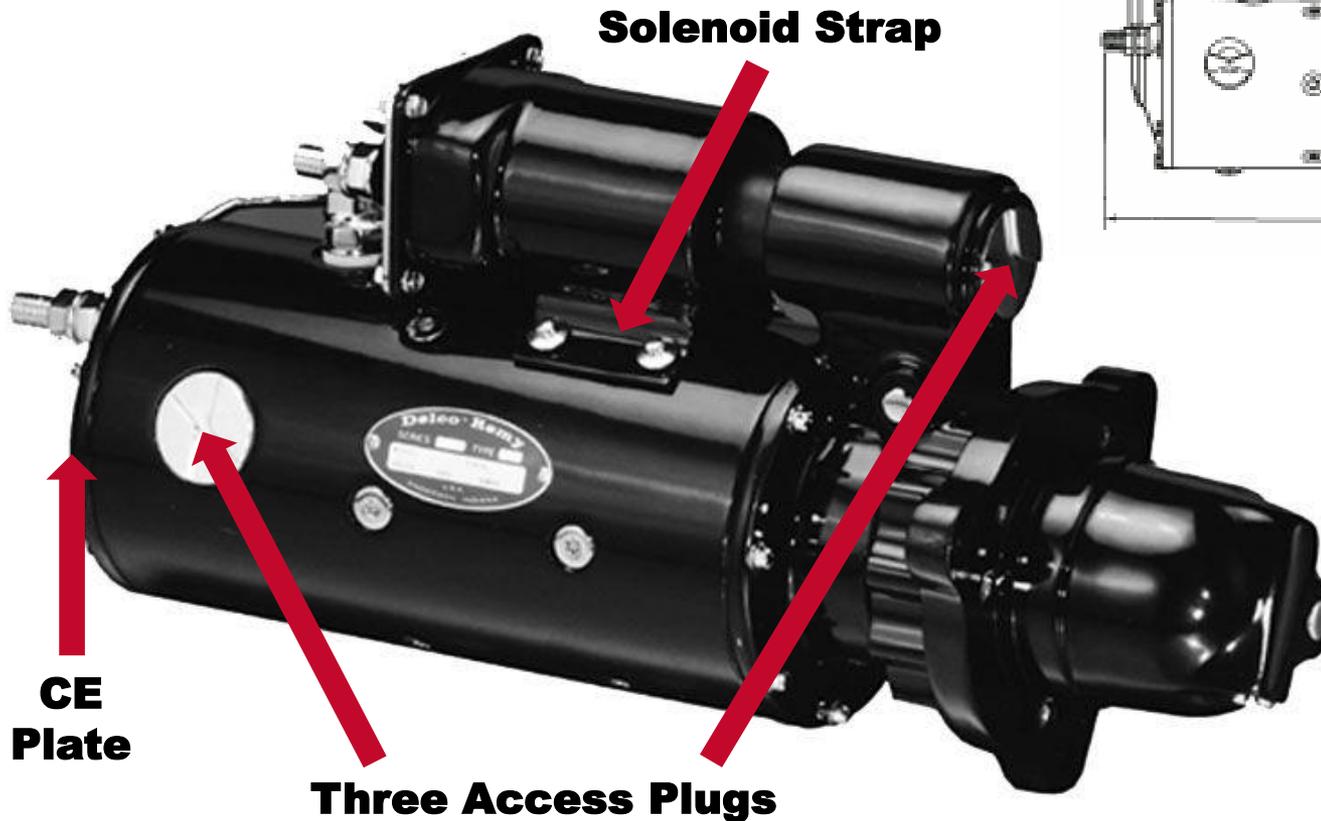
**Different
CE Cap**



MS2

Core Identification

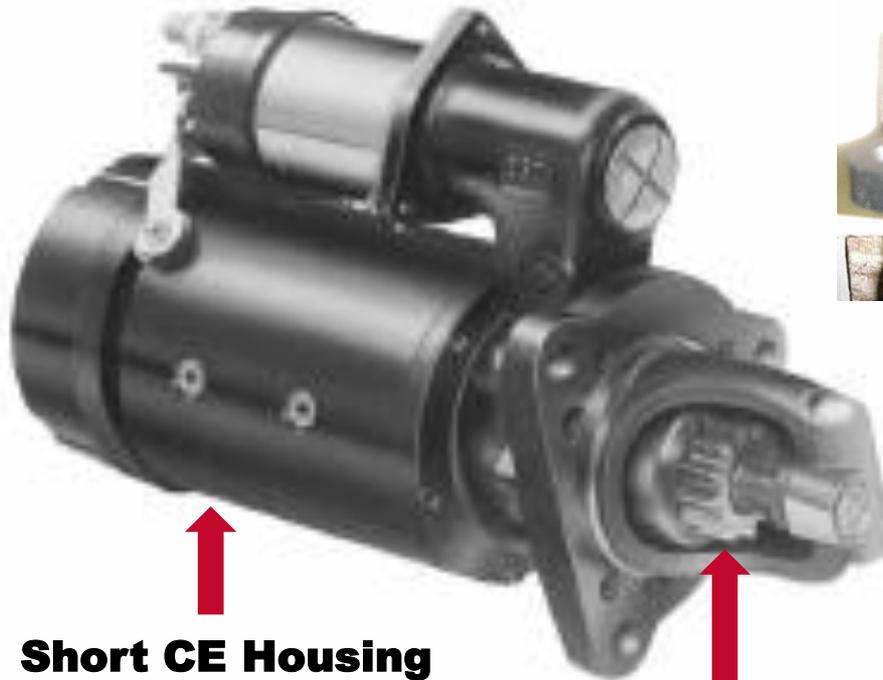
50MT Group



Weight: 75 lbs

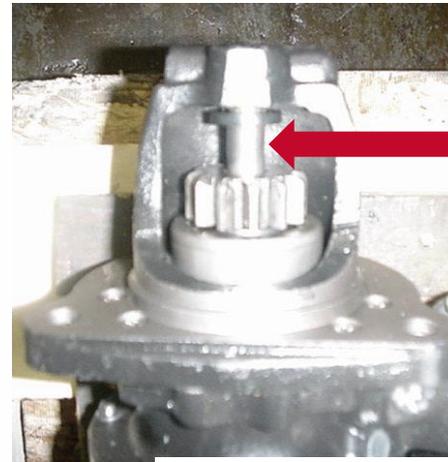
Core Identification

37MT Group

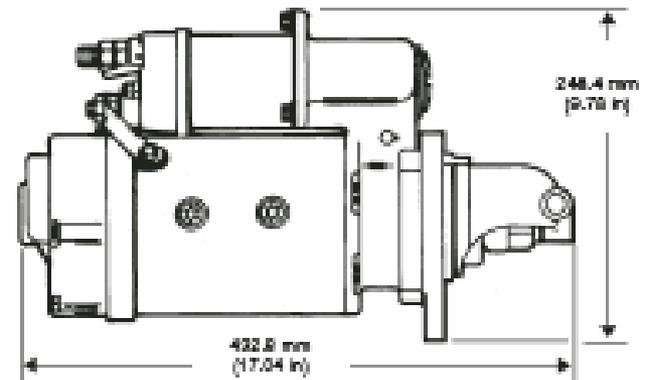


Short CE Housing

Positive Shift Drive



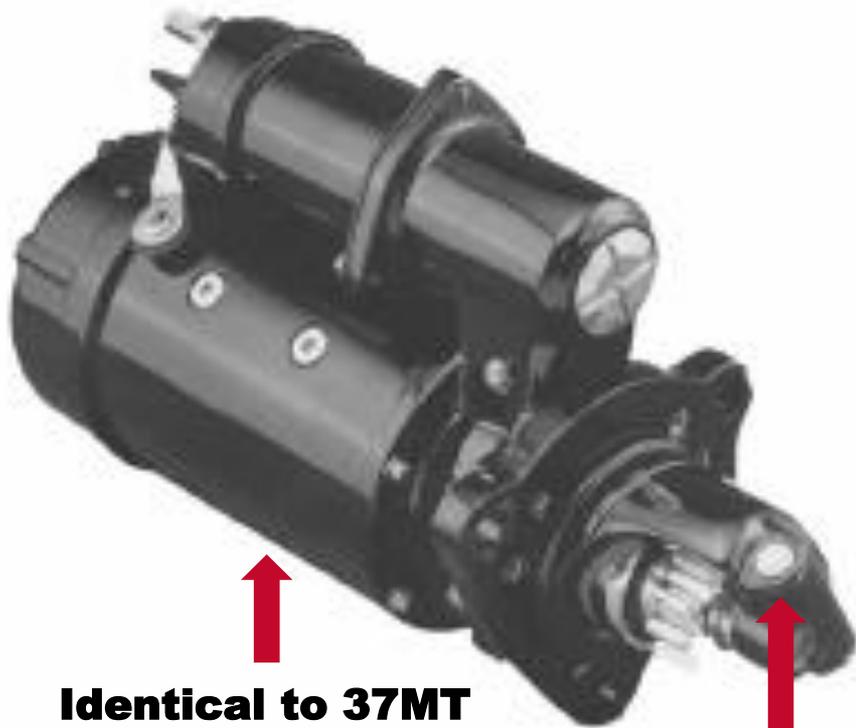
Pinion Stop



Weight: 50 lbs

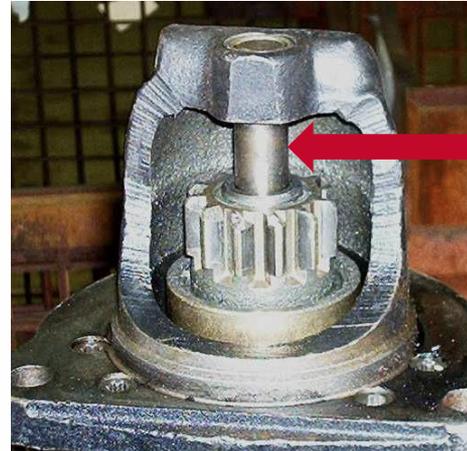
Core Identification

41MT Group

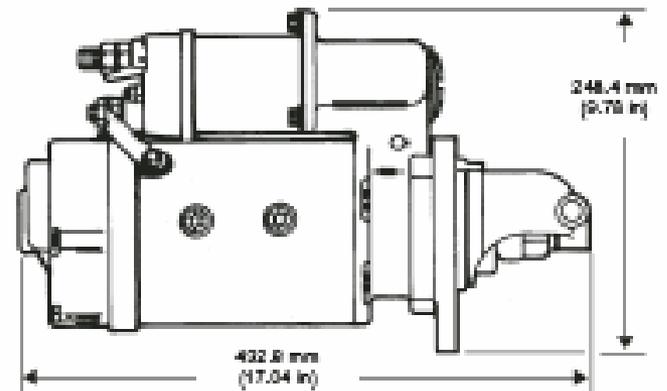


↑
Identical to 37MT

**Positive Engagement
Drive (42MT)**



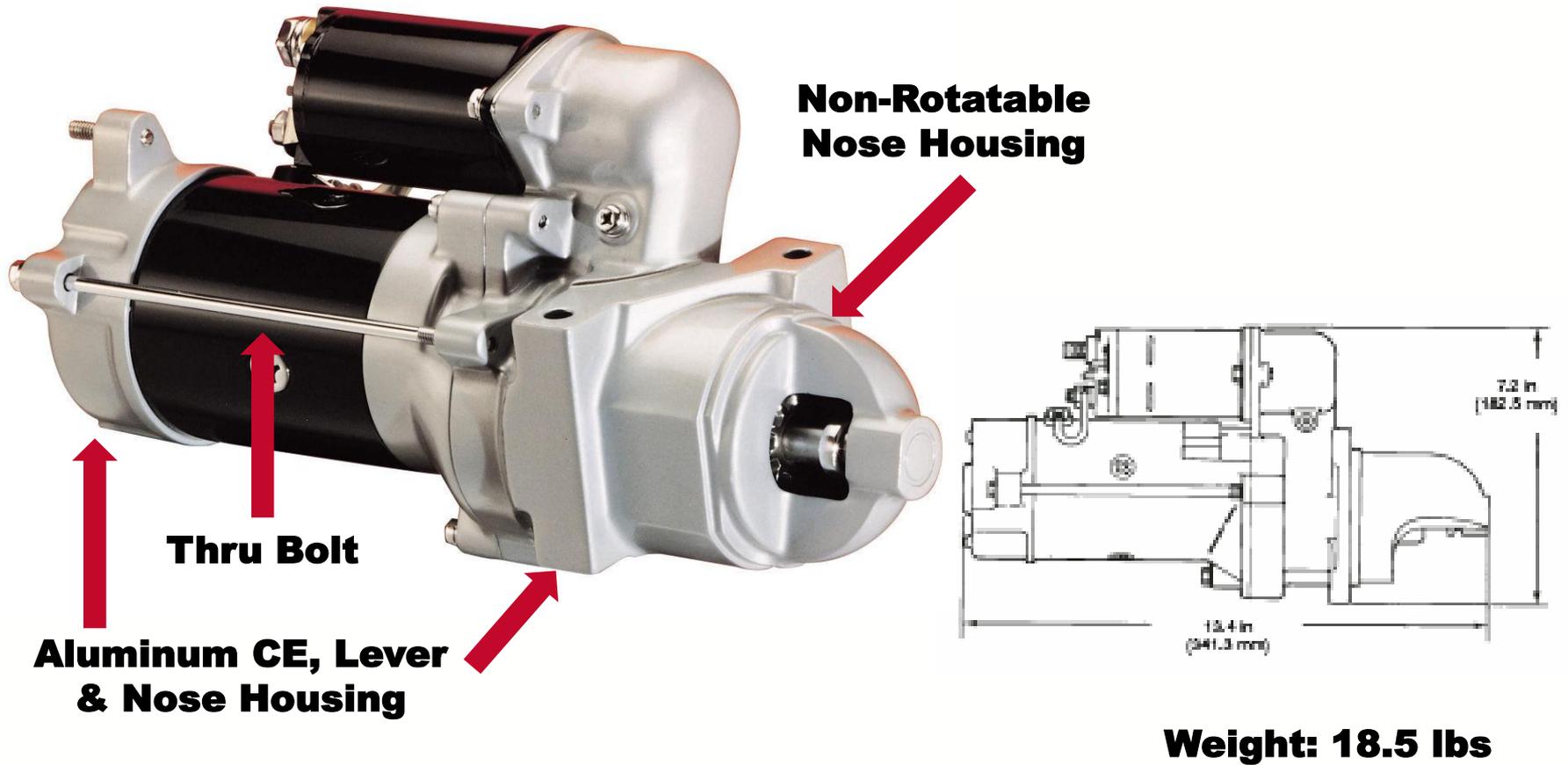
**No
Pinion
Stop**



Weight: 50 lbs

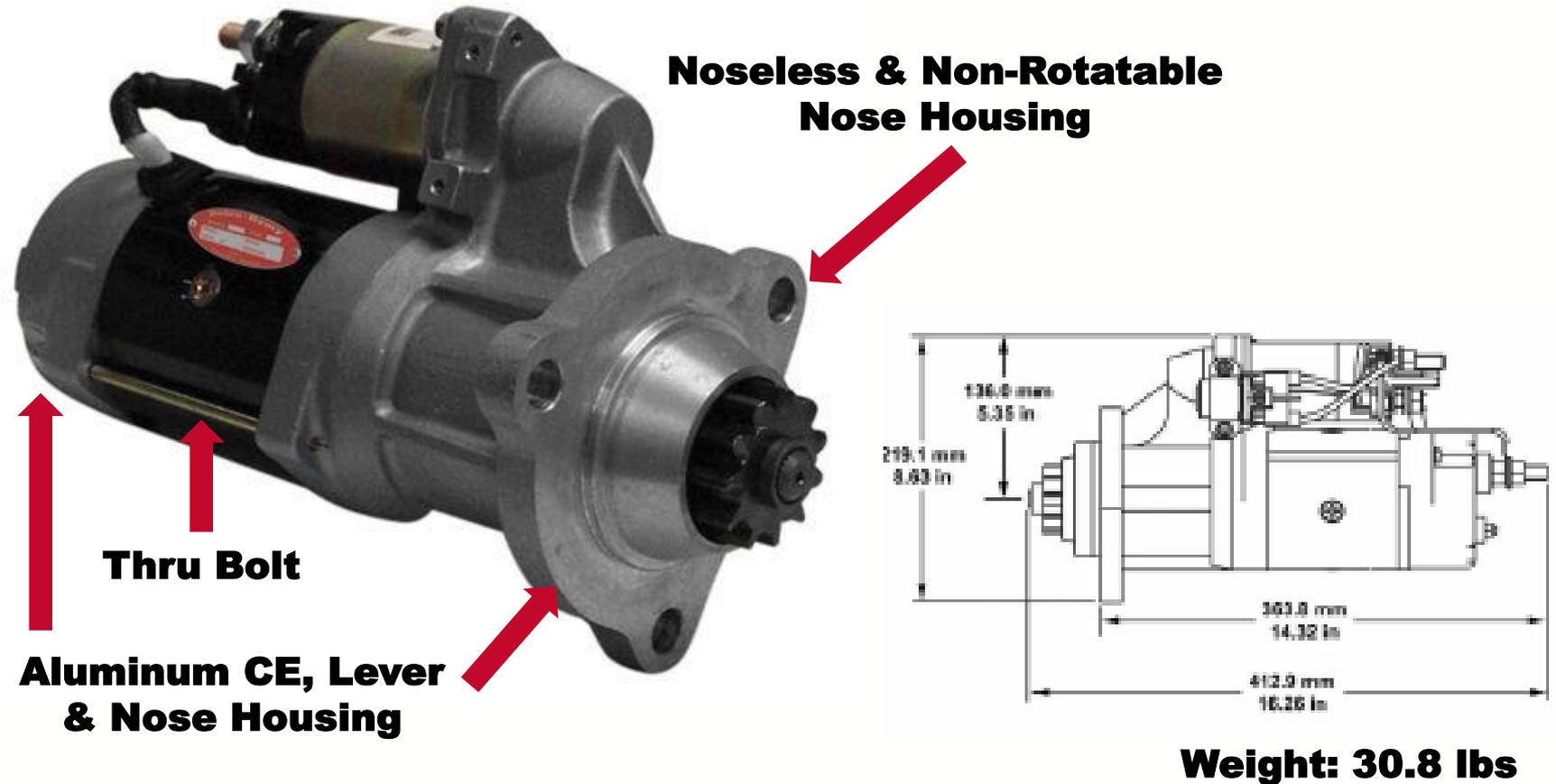
Core Identification

38MT Group



Core Identification

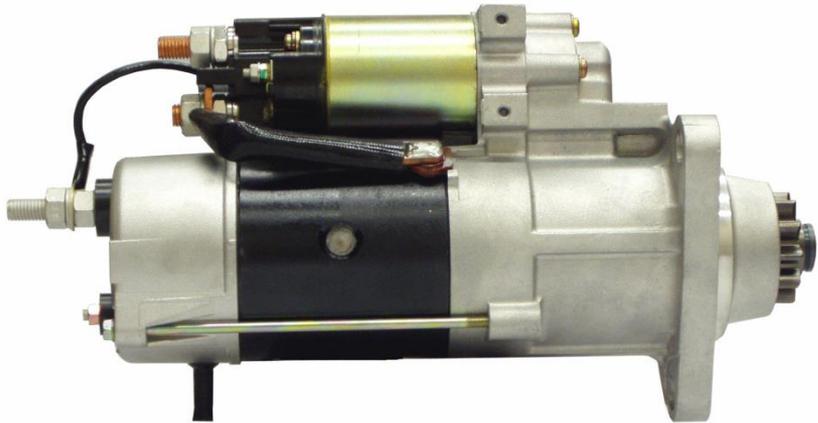
39MT Group



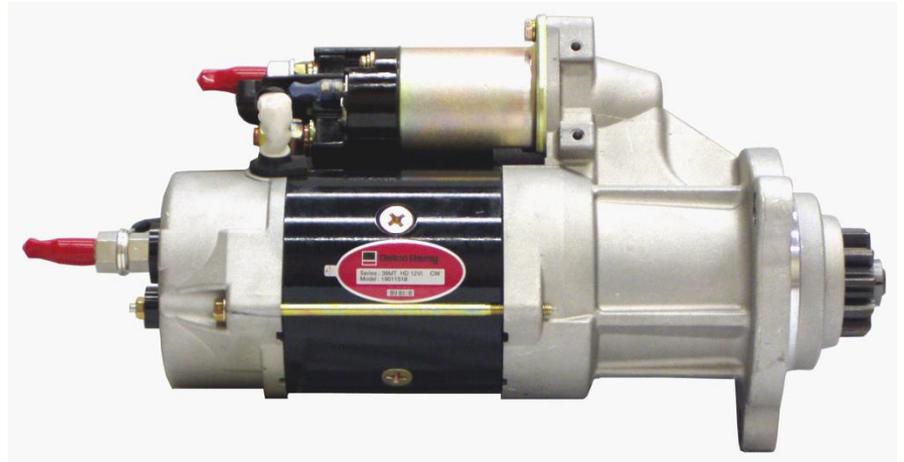
Core Identification

39MT Group

Mitsubishi



Delco Remy



Mitsubishi Cores Accepted for 39MT Eligibility

Core Identification

HDSOL Core Group



42MT



42MT SSL



40MT



50MT